



TOPTECH[®]
www.toptechmachine.cn

OPTIMUM[®]

www.toptechmachine.cn
www.toptechmachine.net

Lathe machines

车 床



2018 Version 1.0

扬州欧普兄弟机械工具有限公司
Yangzhou Euro Brother Machine & Tools Co., Ltd.

LATHE MACHINE

OPTIMUM

TU1503V/TU1804V	D2
TU2004V	D3
TU2304/2304V	D5
TU2404/2404V/2406V	D7
TU2506/2506V/2807/2807V ..	D9
D320x630/920	D11
TU3209V.....	D13
D330x1000	D15
D360x1000	D17
TU3610V	D19
D420x1000/1500.....	D21
TU4210V	D23
TM4010	D25
TX4412/TX5216/TX6222.....	D27

TOPTECH

TURNER 140/TURNER 180.....	D29
TURNER 210(V)/250F(V)	D31
TURNER 240(V)/280F(V)	D33
TURNER 250M(V)/280M(V) ...	D35
TU2907.....	D37
TU3008/TU3008V.....	D38
TU3008G	D39
TURNER 320/360L/3610	D41
TURNER 360/380H.....	D43
TURNER 400x1000	D45
TURNER 400L.....	D47
TURNER 420x1000/1500	D49
TURNER 410/460/510/560.....	D51
TURNER 530/600/680	D53
TURNER 660/800	D55
Turner 800H/1000H/1200H ..	D57
Turner 1000HD/1200HD.....	D59
Turner 1400HM/1600HM	D61
Turner 1600HI/1800HI	D63
Turner 1280HH/1480HH/1680HH	
/1980HH/2080HH	D65
Turner 1600HH/1800HH/2000HH	
.....	D67
Toolmaxx.....	D69

The new compact lathe with electronically adjustable speed. Perfect for the model maker

Convincing arguments: quality, efficiency and price

- DC motor
- Ribbed prism bed made of grey cast iron, inductively hardened and ground
- Hardened and ground bed guideways
- Guaranteed true running accuracy of the spindle nose better than 0.015 mm
- True running accuracy - Lathe chuck max 0.05 mm
- With leading spindle for threading or automatic longitudinal turning
- With longitudinal slide, cross slide and top slide
- Automatic longitudinal/leading spindle drive
- Right-/left-handed rotation switchable on the control panel
- Lathe chuck protection with microswitch
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Double tool holder
- All guideways adjustable via V-ledges free of play
- Comprehensive accessory
- Emergency stop push button
- Low power electronics
- Acceptance certificate

vario drive



Fig.: TU 1503V

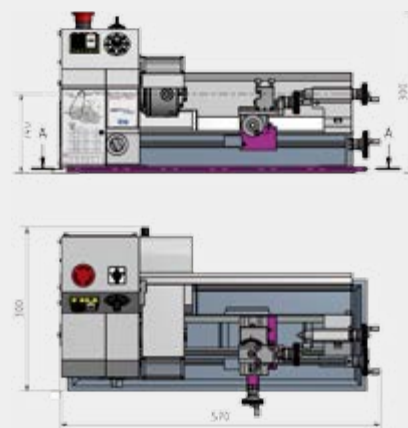
Type	TU 1503V	TU 1804V
Item No	342 0260	3420280
Machine datas		
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor power	450 W	450 W
Working areas		
Centre height	75 mm	90 mm
Centre width	250 mm	400 mm
Turning diameter (max.)	150 mm	180 mm
Bed width	70 mm	70 mm
Speeds	120 - 3'000 min ⁻¹	120 - 3'000 min ⁻¹
Number of steps	Electronically adjustable speed	Electronically adjustable speed
Headstock		
Spindle taper	MT 1	MT 1
Spindle drilling	Ø 11 mm	Ø 11 mm
Slide		
Travel top slide	40 mm	40 mm
Travel cross slide	55 mm	55 mm
Longitudinal feed	0.05 - 0.1 mm/rev	0.05 - 0.1 mm/rev
Pitch - Metric (11)	0.5 - 1.5 mm/rev	0.5 - 1.5 mm/rev
Tool holder seat height	12 mm	12 mm
Tailstock		
Tailstock taper	MT 1 shortened	MT 1 shortened
Tailstock - sleeve travel	30 mm	30 mm
Dimensions L x W x H	720 x 415 x 345 mm	810 x 430 x 380 mm
NW/GW	23/26 kg	26.5/30 kg

Convincing arguments...



- Wide range of threading due to change gear kit
- Simple and rapid speed change via V-belt

Dimensions



Standard equipment

Three jaw lathe chuck Ø 80 mm, fixed centre point MT1, lathe chuck protection, splashback, chip tray, 2-fold tool holder, change gear kit, acceptance certificate

Accessories	Item No
Four jaw lathe chuck Ø 80 mm	344 0286
Follow rest	344 0210
Steady rest	344 0211
Revolving centre MT 1	344 0700
Collet chuck ER 16	344 0281
Collet chuck kit ER 16, 1 - 10 mm, 12 pcs.	344 0282
Lathe tool kit 8 mm, 11 pcs	344 1008
Lathe tool kit HM 8 mm, 7 pcs	344 1011

LATHE

Lathe with digital speed display and infinitely variable speed control

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Heavily ribbed prism bed made of steel casting, inductively hardened and precision ground
- Hardened and ground bed guideways
- Hardened spindle nose (DIN 6350)
- Guaranteed true running accuracy of the spindle nose of better than 0.009 mm
- Automatic longitudinal/leading spindle drive
- With longitudinal slide, cross slide and top slide
- Right-/left-handed rotation switchable on the control panel
- Emergency-stop push button and low-voltage release
- Lathe chuck protection
- Thrust bearing
- Leading spindle run on two porous bearings
- Large threading range due to set of change gears
- Change gear train
- Acceptance certificate

vario drive

Digital speed display

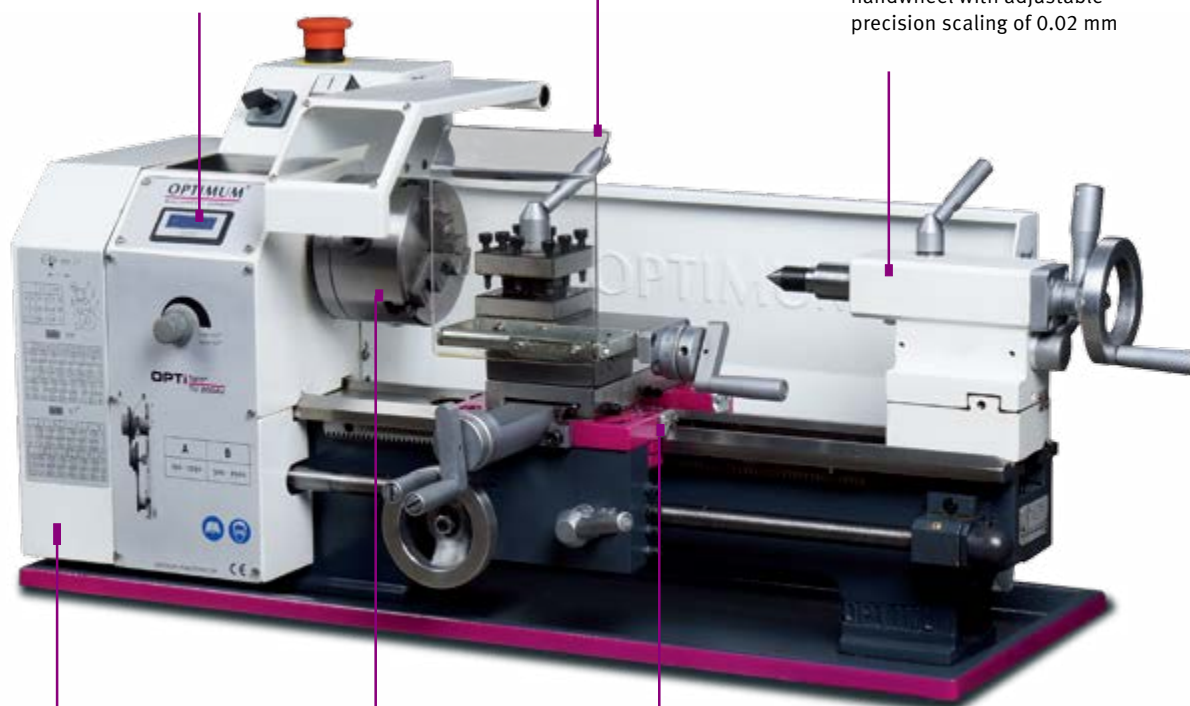
- Easy to read digital speed display

Chip protection

- at the top slide

Tailstock

- Adjustable for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm



Main spindle

- Hardened and with re-adjustable accurate taper roller bearings
- Taper roller bearing of P5 quality
- Cylindrical centring consumption
- hardened spindle nose with a spindle hole of $\varnothing 21$ mm

Lathe chuck

- True running accuracy of better than 0.04 mm

Quadruple tool holder

- turnable
- Rolled trapezoid thread**
- Leading spindle

Fig.: OPTI turn TU 2004V



NEW

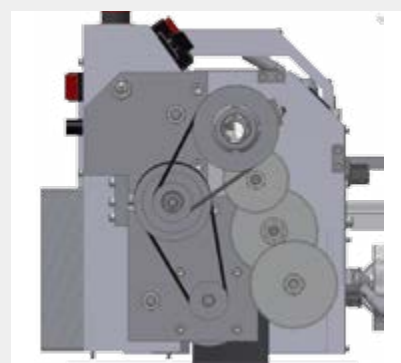
Accessories	Machine substructure
Item No	344 0409

Type	TU 2004 V
Item No	342 0310
Machine datas	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor power	600 W
Working areas	
Centre height	100 mm
Centre width	300 mm
Turning diameter (max.)	200 mm
Turning Ø over cross slide	110 mm
Bed width	100 mm
Speeds	
Spindle speeds	150 - 2'500 min ⁻¹
Number of steps	2 steps, electrically adjustable speed
Headstock	
Spindle taper	MT 3
Spindle drilling	Ø 21 mm
Passage 3-jaw chuck	20 mm
Slide	
Travel top slide	55 mm
Travel cross slide	75 mm
Longitudinal feed	0.1/0.2 mm/rev
Pitch - Metric (11)	0.5 - 3 mm/rev
Pitch - Inch (8)	44 - 10 threads/1"
Tool holder seat height	Max. 12 mm
Tailstock	
Tailstock taper	MT 2
Tailstock - sleeve travel	65 mm
Dimensions L x H x W	
Net weight	61 kg

Standard equipment	Three jaw chuck Ø 100 mm Steady centre MT 2 and MT 3 Splash board and Chip tray Quadruple tool holder Change gear kit Operating tool
---------------------------	---

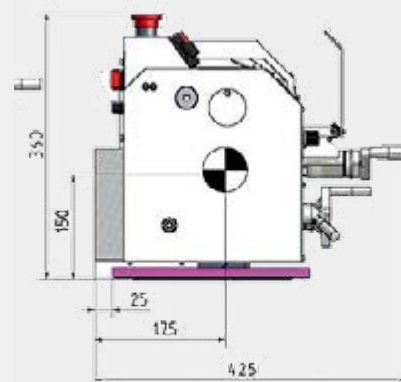
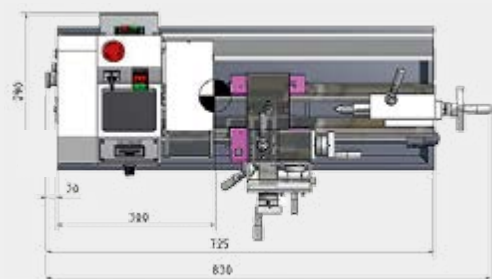
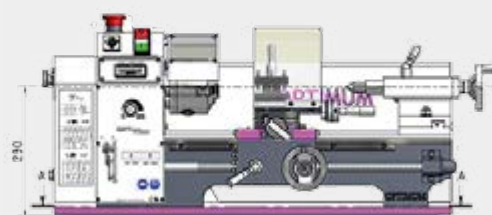
Accessories	Item No	
Four jaw lathe chuck Ø 100 mm (centric) Speed: 3'400 min ⁻¹	344 2810	
Flange for lathe chucks Ø 100 mm	344 0312	
Face clamping disc Ø 170 mm	344 0295	
Follow rest	344 0230	
Steady rest	344 0231	
Revolving centre MT2	344 0702	
Quick action tool holder SWH-AA	338 4311	
Lathe tool kit HM 10 mm, 7 pcs	344 1111	
Lathe tool kit 10 mm, 11 pcs	344 1108	
Workshop assembly SWH	900 0401	

Convincing arguments...



- Wide range of threading due to change gear kit
- Simple and rapid speed change via V-belt

Abmessungen



LATHE

Lathes for the demanding do-it-yourselfer. TU 2304V with electronically infinitely variable drive.

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Hardened and ground guideways
- Guaranteed true running accuracy of the spindle nose better than 0.009 mm
- True running accuracy - Lathe chuck better than 0.05 mm
- With leading spindle for threading or automatic longitudinal turning
- Right-/left-handed rotation switchable on the control panel
- Rolled trapezoid spindles
- Emergency-stop push button and low-voltage release
- Comprehensive accessory
- Acceptance certificate
- Stable value

TU 2304 V

- Speed change easily adjustable via potentiometer
- Digital speed display

conventional/Vario

Change gear kit

- for threading
- Simple and rapid speed change via V-belt

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges

Tailstock

- Adjustable by ± 5 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm

Prism bed

- Solid and tempered made of grey cast iron
- Matured at least for six months
- Inductively hardened (HRC 42-52)
- Precision ground

Taper roller bearing

- two pieces
- of P5 quality

Thrust bearing

Leading spindle

- run on two porous bearings

Machine substructure

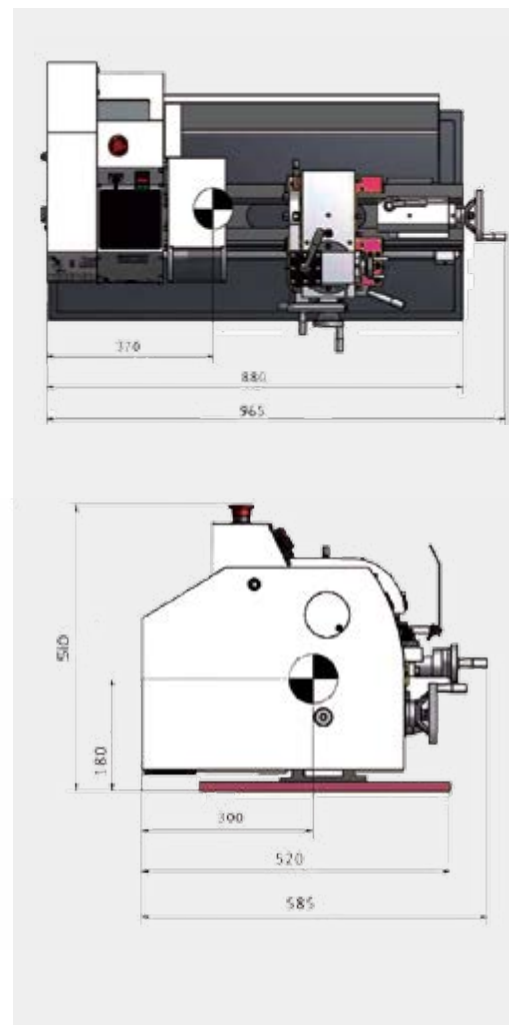
344 0409

Fig.: OPTI turn TU 2404 with optional machine base

Type	TU 2304
Item No	342 0320

Type	TU 2304V
Item No	342 0325

Machine datas	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor power	750 W
Working areas	
Centre height	115 mm
Centre width	450 mm
Turning Ø over lathe bed	230 mm
Bed width	135 mm
Speeds	
Spindle seat	Ø 72 mm
Spindle speed	125 - 2'000 min ⁻¹
Number of steps	6 steps
Spindle speed Vario machines	150 - 2'200 min ⁻¹
Number of steps Vario machines	2 steps, electronically adjustable speed
Headstock	
Spindle taper	MT 3
Spindle drilling, rod passage	Ø 20 mm
Slide	
Travel top slide	75 mm
Travel cross slide	120 mm
Pitch - Metric in the range of	0.4 - 3.5 mm/rev
Pitch - Inch in the range of	44 - 10 Threads/1"
Quadruple tool holder seat height	14 x 14 mm
Tailstock	
Tailstock seat	MT 2
Tailstock - sleeve travel	70 mm
Dimensions	
Length x width x height	965 x 585 x 510 mm
Net weight	114 kg
Net weight Vario machines	111 kg



LATHE

Standard equipment	Three jaw chuck Ø 100 mm Steady centre MT 2 Steady centre MT 3 Splash board Chip tray Quadruple tool holder Change gear kit Operating tool	Accessories	
			Item No
		Three jaw chuck Ø 125 mm, Speed 3'000 min ⁻¹	344 2712
		Four jaw chuck Ø 125 mm, Speed 2'750 min ⁻¹	344 2812
		Three jaw chuck CI3P Ø 125 mm cast iron, Speed 3'200 min ⁻¹	344 2020
		Three jaw chuck CS3C Ø 125 mm steel, Speed 4'800 min ⁻¹	344 2520
		Flange for three jaw chuck Ø 125 mm	344 0511
		Flange for four jaw chuck Ø 125 mm	344 0512
		Face clamping disc Ø 200 mm	344 0352
		Revolving centre MT2	344 0702
		Steady rest	344 0361
		Follow rest	344 0360
		Lathe tool kit HM 8 mm, 7 pcs	344 1011
		Lathe tool kit HM 10 mm, 7 pcs	344 1111
		Lathe tool kit 10 mm, 11 pcs	344 1108
		Lathe tool kit HM 12 mm, 9 pcs	344 1211
		Collet chuck kit ER 25, 1 - 16 mm	344 1109
		Collet chuck holder for collet chuck ER 25	344 0505
		Quick change tool holder SWH 1-A	338 4301
		Workshop assembly SWH	900 0401

Lathes for the demanding do-it-yourselfer. TU 2404V / TU 2406V with electronically infinitely variable drive.

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Hardened and ground guideways
- Guaranteed true running accuracy of the spindle nose better than 0.009 mm
- True running accuracy - Lathe chuck better than 0.05 mm
- With leading spindle for threading or automatic longitudinal turning
- Right-/left-handed rotation switchable on the control panel
- Rolled trapezoid spindles

- Emergency-stop push button and low-voltage release
- Comprehensive accessory
- Acceptance certificate
- Stable value

TU 2404 V/ TU 2406 V

- Speed change easily adjustable via potentiometer
- Digital speed display

conventional/vario

Change gear kit

- for threading
- Simple and rapid speed change via V-belt

Taper roller bearing

- two pieces
- of P5 quality

Thrust bearing

Leading spindle

- run on two porous bearings



Prism bed

- Solid and tempered made of grey cast iron
- Matured at least for six months
- Inductively hardened (HRC 42-52)
- Precision ground

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges

Tailstock

- Adjustable by ± 5 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm



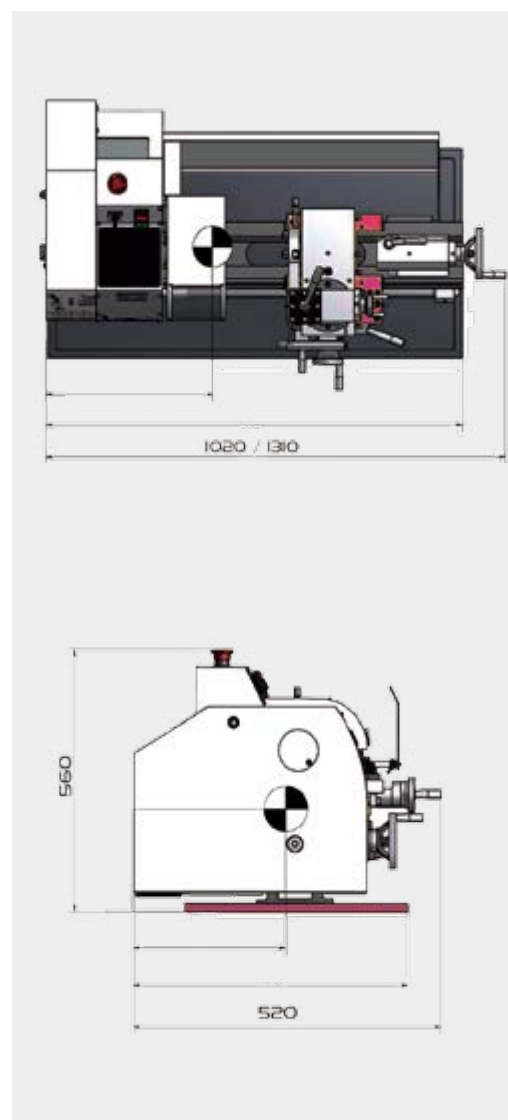
Accessories	Machine substructure
Item No	344 0409

Fig.: OPTi turn TU 2404 with optional machine base

Type	TU 2404	TU 2406
Item No (230 V)	342 0330	-
Item No (400 V)	342 0333	-

Type	TU 2404V	TU 2406V
Item No (230 V)	342 0335	342 0355

Machine datas		
Electrical connection	230 V or 400 V	-
Motor power	750 W	-
Connection Vario machine	230 V / 1 Ph ~50 Hz	
Motor Vario machine	1.1 kW	
Working areas		
Centre height	125 mm	
Centre width	450 mm	550 mm
Turning Ø over lathe bed	250 mm	
Bed width	135 mm	
Speeds		
Spindle seat	Ø 52 mm	
Spindle speed	125 - 2'000 min ⁻¹	-
Number of steps	6 steps	-
Spindle speed Vario machines	150 - 2'500 min ⁻¹	
Number of steps Vario machines	2 steps, electronically adjustable speed	
Headstock		
Spindle taper	MT 3	
Spindle drilling, rod passage	Ø 21 mm	
Slide		
Travel top slide	75 mm	
Travel cross slide	120 mm	
Pitch - Metric in the range of	0.4 - 3.5 mm/rev	
Pitch - Inch in the range of	44 - 10 Threads/1"	
Quadruple tool holder seat	14 x 14 mm	
Tailstock		
Tailstock seat	MT 2	
Tailstock - sleeve travel	70 mm	
Dimensions		
Length x width x height	1'020 x 520 x 560 mm	1.310 x 520 x 560 mm
Net weight	110 kg	127 kg



Standard equip- ment	Three jaw chuck Ø 125 mm Steady centre MT 2 Steady centre MT 3 Splash board Chip tray Quadruple tool holder Change gear kit Operating tool	Accessories	
			Item No
		Three jaw chuck Ø 125 mm, Speed 3'000 min ⁻¹	344 2712
		Four jaw chuck Ø 125 mm, Speed 2'750 min ⁻¹	344 2812
		Three jaw chuck CI3P Ø 125 mm cast iron, Speed 3'200 min ⁻¹	344 2020
		Three jaw chuck CS3C Ø 125 mm steel, Speed 4'800 min ⁻¹	344 2520
		Flange for three jaw chuck Ø 125 mm	344 0511
		Flange for four jaw chuck Ø 125 mm	344 0512
		Face clamping disc Ø 250 mm	344 0552
		Revolving centre MT2	344 0702
		Steady rest	344 0515
		Follow rest	344 0510
		Lathe tool kit HM 8 mm, 7 pcs	344 1011
		Lathe tool kit HM 10 mm, 7 pcs	344 1111
		Lathe tool kit 10 mm, 11 pcs	344 1108
		Lathe tool kit HM 12 mm, 9 pcs	344 1211
		Collet chuck kit ER 25, 1 - 16 mm	344 1109
		Collet chuck holder for collet chuck ER 25	344 0505
		Quick change tool holder SWH 1-A	338 4301
		Workshop assembly SWH	900 0401

Lead screw lathes with feed gear for demanding users. Vario type with infinitely variable speed control for brushless motor

OPTIMUM
The original

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Powerful, maintenance free motor
- Heavily ribbed prism bed made of grey cast iron, inductively hardened and precision ground
- Hardened and ground bed guideways
- Guaranteed true running accuracy of the spindle nose better than 0.009 mm
- True running accuracy of the lathe chuck better than 0.04 mm
- Automatic longitudinal/leading spindle drive
- With leading spindle for threading or automatic longitudinal turning
- Right-/left-handed rotation switchable on the control panel

- Leading spindle run on two porous bearings
- Handwheels on the slide with adjustable precision scaling of 0.04/0.01 mm
- With change gear kit for threading
- Thrust bearing
- Emergency-stop push button and low-voltage release
- Acceptance certificate

TU 2506 V / TU 2807 V

- Smooth and high-performance DC drive with excellent control characteristics
- High-precision tool chuck for higher speeds
- Speed change easily adjustable via potentiometer
- Digital speed display



05.2012

conventional/vario

Powerful Brushless drive

- Particularly smooth running
- Nearly constant torque over the entire speed range
- High power output



Main spindle

- Hardened and with re-adjustable precision taper roller bearings
- Two taper roller bearing of P5 quality
- Short taper, hardened spindle nose with a spindle hole of Ø 26 mm

Feed gear

- Smooth running
- Rounded toothed wheels
- running in the oil bath

Slide

- Quadruple tool holder
- All guideways adjustable via V-ledges free of play
- Rolled trapezoid spindles
- Chip protection at the top slide

Tailstock

- Adjustable by ± 5 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm
- Rapid and easy adjustment of the tailstock by means of a clamping lever

NEW

Accessories

Item No

Machine substructure

344 0409

Fig.: Opti turn TU 2807

Fig.: Opti turn TU 2506

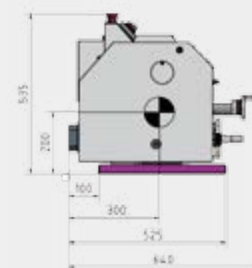
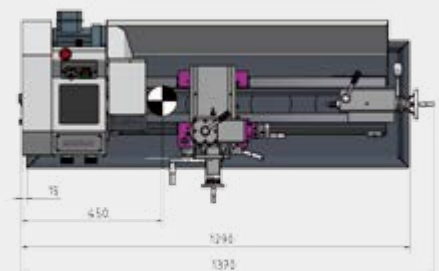
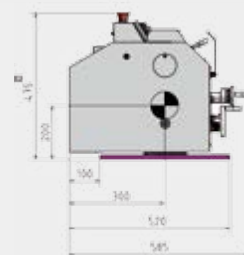
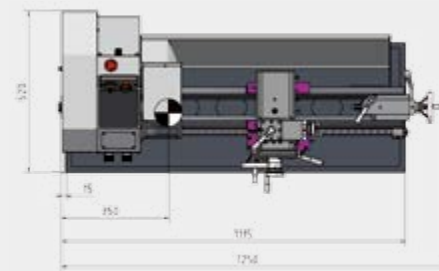
Technical data and accessories

Type	TU 2506	TU 2807
Item No (230 V)	342 5001	342 7001
Item No (400 V)	342 5003	342 7003

Type	TU 2506V	TU 2807V
Item No (230 V)	342 5006	342 7006

Machine datas		
Electrical connection	230 V / 1 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
Motor	750 W	850 W
Connection Vario machine	230 V / 1 Ph ~50 Hz	
Motor Vario machine	1.5 kW	
Working areas		
Centre height	125 mm	140 mm
Centre width	550 mm	700 mm
Turning Ø over lathe bed	250 mm	266 mm
Bed width	135 mm	180 mm
Speeds		
Spindle speed	125 - 2'000 min ⁻¹	150 - 2'000 min ⁻¹
Number of steps	6 steps	
Spindle speed Vario machines	30 - 4'000 min ⁻¹	
Number of steps Vario machines	4 steps, electrically adjustable speed	
Headstock		
Spindle taper	MT 4	
Spindle drilling, rod passage	Ø 26 mm	
Slide		
Travel top slide	70 mm	60 mm
Travel cross slide	110 mm	160 mm
Longitudinal feed in the range of	0.07 - 0.2 mm/rev	
Pitch - Metric in the range of	0.2 - 3.5 mm/rev	
Pitch - Inch in the range of	56 - 8 threads/1“	
Quadruple tool holder seat height	(max.) 13 mm	(max.) 13.5 mm
Tailstock		
Tailstock seat	MT 2	
Tailstock - sleeve travel	65 mm	85 mm
Dimensions		
Length x width x height	1'250 x 585 x 475 mm	1'370 x 640 x 535 mm
Length x Width x Height Vario	1'250 x 650 x 420 mm	1'370 x 660 x 440 mm
Net weight	125 kg	180 kg
Standard equipment	3-jaw lathe chuck Ø 125 mm, steady centre MT2 / MT4, drill chuck protection, lathe tool made of high speed steel, lathe dog, quadruple tool holder Change gear kit, operating tool	

Dimensions



LATHE

Accessories TU 2506 / TU 2506 V	Item No
Face clamping disc Ø 240 mm	344 1352
Steady rest Ø max. 50 mm	344 1315
Follow rest Ø max. 34 mm	344 1310
Revolving centre MT2	344 0702
Lathe tool kit HM 10 mm, 7 pcs	344 1111
Lathe tool kit 10 mm, 11 pcs	344 1108
Lathe tool kit HM 12 mm, 9 pcs	344 1211
Collet chuck kit ER 25, 1 - 16 mm	344 1109
Collet chuck kit ER 32, 3 - 20 mm	344 1122
Collet chuck ER 25	344 1305
Collet chuck ER 32	344 1306
Quick change tool holder SWH 1-A	338 4301
Workshop assembly SWH	900 0401
Add-on adaptor column/milling head BF20V	335 6572
Add-on adaptor column/milling head BF16V	335 6568
BF20AV - milling head and column of a BF20V	333 8129

Accessories TU 2807 / TU 2807 V	Item No
Face clamping disc Ø 265 mm	344 1452
Flange for lathe chucks Ø 160 mm	344 1413
Steady rest Ø max. 55 mm	344 1415
Follow rest Ø max. 56 mm	344 1410
Revolving centre MT2	344 0702
Lathe tool kit HM 10 mm, 7 pcs	344 1111
Lathe tool kit 10 mm, 11 pcs	344 1108
Lathe tool kit HM 12 mm, 9 pcs	344 1211
Collet chuck kit ER 25, 1 - 16 mm	344 1109
Collet chuck kit ER 32, 3 - 20 mm	344 1122
Collet chuck ER 25	344 1305
Collet chuck ER 32	344 1306
Quick change tool holder SWH 1-A	338 4301
Workshop assembly SWH	900 0401
Add-on adaptor column/milling head BF20V	335 6572
Add-on adaptor column/milling head BF16V	335 6568

Completely equipped centre lathe with feed mechanism running in the oil bath. DPA version with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Electrical system with Siemens components
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Chip protection at the top slide
- Cover for leading spindle
- Machine substructure including tool compartment
- Acceptance certificate

DPA machines:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

conventional

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Fast acting feed gear

- Closed structure

Quality lathe chuck

- Precisely
- Higher speed is enabled
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Halogen machine lamp

- Coated articulated arm
- High positioning stability

Prism bed

- Heavily ribbed
- Inductively hardened
- Precision ground

Tailstock

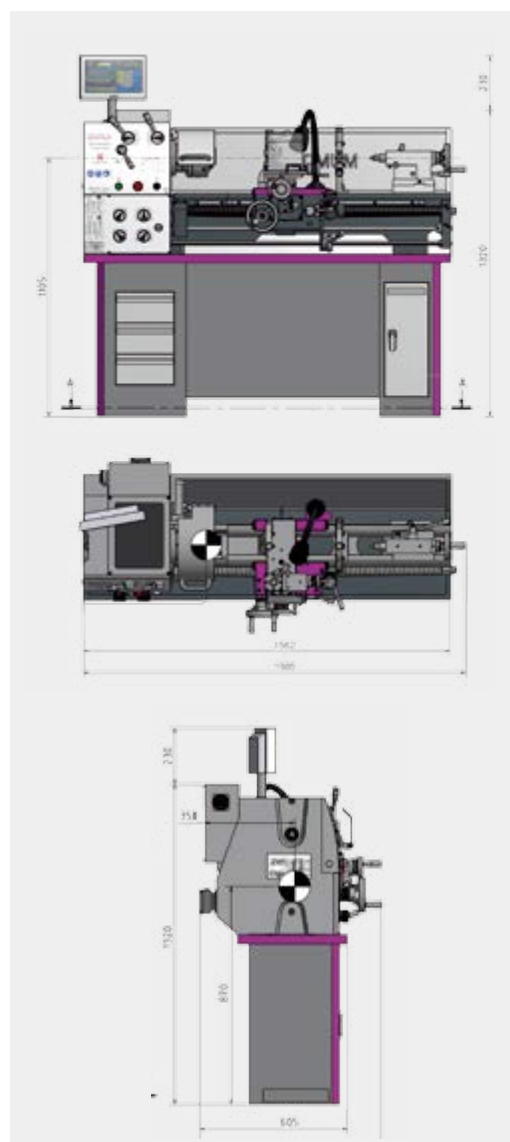
- Adjustable by ± 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Bed bridge

- The turning diameter is increased to 430 mm by taking out the bed bridge



Type	D 320 x 630	D 320 x 920
Item No	340 0633	340 0923
DPA - type	D 320 x 630 DPA	D 320 x 920 DPA
Item No	340 0633DPA	340 0923DPA
Machine datas		
Electrical connection	400 V / 3 Ph ~50 Hz	
Motor power	1.5 kW	
Working areas		
Centre height	160 mm	
Centre width	630 mm	920 mm
Turning Ø over lathe bed	320 mm	
Turning Ø over cross slide	190 mm	
Turning Ø in the bed bridge	430 mm	
Length of bed bridge	230 mm	
Bed width	181 mm	
Speeds		
Spindle speed	65 - 1'800 min ⁻¹	
Number of steps	18 steps	
Headstock		
Spindle taper	MT 5	
Spindle seat	Camlock DIN ISO 702-2 Nr. 4	
Spindle drilling, rod passage	Ø 38 mm	
Slide		
Travel top slide	85 mm	
Travel cross slide	162 mm	
Longitudinal feed in the range of	0.052 - 1'392 mm/rev; 32 feeds	
Transverse feed in the range of	0.014 - 0.380 mm/rev ; 32 feeds	
Pitch - Metric in the range of	0.4 - 7 mm; 26 thread pitches	
Pitch - Inch in the range of	56 - 4 threads/1"; 34 thread pitches	
Quadruple tool holder seat height	16 x 16 mm	
Tailstock		
Tailstock seat	MT 3	
Tailstock - sleeve travel	100 mm	
Dimensions		
Length	1,485 mm	1,685 mm
Width x Height	750 x 1.350 (DPA 1'550) mm	
Weight	400 kg	410 kg



Standard equipment

- Three-jaw lathe chuck Ø 160 mm
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 250 mm
- Revolving centre MT3
- Steady rest Passage Ø max. 70 mm
- Follow rest Passage Ø max. 50 mm
- Chip tray
- Machine base (not mounted)
- Splashback (not mounted)
- Lathe chuck protection
- Machine lamp
- Threading gauge
- Quadruple tool holder
- Change gear kit
- Operating tool

Accessories

	Item No
Three jaw chuck Camlock cast iron Ø 200 mm	344 2762
Three jaw chuck CI3P Camlock cast iron Ø 200 mm	344 2045
Four jaw chuck CI4P Camlock cast iron Ø 200 mm	344 2145
Three jaw chuck CS3C Camlock steel Ø 200 mm	344 2545
Four jaw chuck CS4C Camlock steel Ø 200 mm	344 2645

Please find more lathe chucks and non-rigid block jaws from page 104 on

Lathe tool kit 16 mm, 11 pcs	344 1508
Lathe tool kit HM 16 mm, 7 pcs	344 1511
Universal collet attachment 5C	344 1506
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509
Position limit stop with fine adjustment	344 1524
Quick change tool holder SWH 3-E	338 4303
Workshop assembly SWH	900 0400
Vibration damping machine foot SE 2	338 1016

Completely equipped centre lathe with electronically infinitely variable drive

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Chip protection at the top slide
- Cover for leading spindle
- New machine base with drawers
- Acceptance certificate
- **Digital position display DPA 2000 S** and glass scales
- Speed display
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Glare-free display

Powerful Brushless drive

- Particularly smooth running
- Nearly constant torque over the entire speed range
- High power output



Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Quality lathe chuck

- Precisely
- Higher speed is enabled
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Halogen machine lamp

- Coated articulated arm
- High positioning stability

Prism bed

- Heavily ribbed
- Inductively hardened
- Precision ground

Tailstock

- Adjustable by ± 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Fast acting feed gear

- Closed structure

Bed bridge

- The turning diameter is increased to 430 mm by taking out the bed bridge

vario drive



Fig.: OPTIturn TU 3209V

Type	TU 3209V
Item No	340 3110
Machine datas	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor power	1.5 kW
Working areas	
Centre height	160 mm
Centre width	920 mm
Turning Ø over lathe bed	320 mm
Turning Ø over cross slide	190 mm
Turning Ø in the bed bridge	430 mm
Length of bed bridge	230 mm
Bed width	181 mm
Speeds	
Spindle speed	12 - 2'250 min ⁻¹
Number of steps	9 steps
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	85 mm
Travel cross slide	162 mm
Longitudinal feed in the range of	0.052 - 1'392 mm/rev; 32 feeds
Transverse feed in the range of	0.014 - 0.380 mm/rev ;32 feeds
Pitch - Metric in the range of	0.4 - 7 mm;26 thread pitches
Pitch - Inch in the range of	56 - 4 threads/1";34 thread pitches
Quadruple tool holder seat height	16 x 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	100 mm
Dimensions	
Length X Width x Height	1'685 x 750 x 1'550 mm
Weight	410 kg

Standard equipment

- Three-jaw lathe chuck Ø 160 mm
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 250 mm
- Revolving centre MT3
- Steady rest Passage Ø max. 70 mm
- Follow rest Passage Ø max. 50 mm
- Chip tray
- Machine base (not mounted)
- Splashback (not mounted)
- Lathe chuck protection
- Machine lamp
- Threading gauge
- Quadruple tool holder
- Change gear kit
- Operating tool

Accessories

	Item No	
Three jaw chuck Camlock cast iron Ø 200 mm	344 2762	
Three jaw chuck CI3P Camlock cast iron Ø 200 mm	344 2045	
Four jaw chuck CI4P Camlock cast iron Ø 200 mm	344 2145	
Three jaw chuck CS3C Camlock steel Ø 200 mm	344 2545	
Four jaw chuck CS4C Camlock steel Ø 200 mm	344 2645	
Please find more lathe chucks and non-rigid block jaws from page 104 on		
Lathe tool kit 16 mm, 11 pcs	344 1508	
Lathe tool kit HM 16 mm, 7 pcs	344 1511	
Universal collet attachment 5C	344 1506	
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	
Position limit stop with fine adjustment	344 1524	
Quick change tool holder SWH 3-E	338 4303	
Workshop assembly SWH	900 0400	
Vibration damping machine foot SE 2	338 1016	

Completely equipped mechanic's lathe including enclosed feed mechanism for rapid and easy switching over of feed pitches. DPA version with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock DIN ISO 702-2 Nr. 4
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Hardened and ground toothed wheels and shafts, running in an oil bath on precision bearings
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Cover for leading spindle
- Electrical system with Siemens components

- Foot brake
- Acceptance certificate

DPA machine:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

Main spindle

- Running in an oil bath
- Gearwheels smooth running, hardened and ground

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Tailstock

- Adjustable by +/- 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Bed bridge

- The turning diameter is increased to 516 mm by taking out the bed bridge

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Halogen machine lamp

- Coated articulated arm
- High positioning stability

Prism bed

- Heavily ribbed
- Grey cast iron
- Inductively hardened and precision ground

Base

- Mounted
- Tool compartment
- Lockable doors
- Extractable chip tray

conventional



Type	D 330 x 1000
Item No	340 1000
Type	D 330 x 1000 DPA
Item No	340 1000DPA
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Motor power	1.5 kW
Working areas	
Centre height	165 mm
Centre width	1'000 mm
Turning Ø over lathe bed	330 mm
Turning Ø over cross slide	198 mm
Turning Ø in the bed bridge	476 mm
Length of bed bridge	210 mm
Bed width	187 mm
Speeds	
Spindle speed	70 - 2'000 min ⁻¹
Number of steps	8 steps
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	95 mm
Travel cross slide	170 mm
Longitudinal feed in the range of	0.052 - 1'392 mm/rev; 40 feeds
Transverse feed in the range of	0.014 - 0.380 mm/rev; 40 feeds
Pitch - Metric in the range of	0.4 - 7 mm/rec; 32 thread pitches
Pitch - Inch in the range of	56 - 4 threads/1"; 40 thread pitches
Quadruple tool holder seat height	max. 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	126 mm
Dimensions	
Length x width x height	1'930 x 755 x 1'300 (DPA 1'550) mm
Net weight	550 kg

Standard equipment

- Three jaw lathe chuck Ø 160 mm centric clamping
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 250 mm
- Reducing bush MT 5/MT 3
- 2 steady centres MT 3
- Steady rest
Passage up to Ø 100 mm
- Follow rest
Passage up to Ø 95 mm
- Chip protection at the top

slide

- Position limit stop with fine adjustment
- Lathe chuck protection
- Spindle brake
- Machine substructure mounted including tool compartment
- Splash board mounted
- Threading gauge
- Quadruple tool holder
- Machine lamp
- Change gear kit
- Operating tool

Accessories

	Item No	
Three jaw chuck Camlock cast iron Ø 200 mm	344 2762	
Three jaw chuck CI3P Camlock cast iron Ø 200 mm	344 2045	
Four jaw chuck CI4P Camlock cast iron Ø 200 mm	344 2145	
Three jaw chuck CS3C Camlock steel Ø 200 mm	344 2545	
Four jaw chuck CS4C Camlock steel Ø 200 mm	344 2645	
Please find more lathe chucks and non-rigid block jaws from page 104 on		
Lathe tool kit 16 mm, 11 pcs	344 1508	
Lathe tool kit HM 16 mm, 7 pcs	344 1511	
Universal collet attachment 5C	344 1506	
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	
Quick change tool holder SWH 3-E	338 4303	
Workshop assembly SWH	900 0400	
Vibration damping machine foot SE 2	338 1016	

Completely equipped precision centre lathe including enclosed feed mechanism for rapid and easy switching over of feed pitches

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Coolant equipment
- Coolant tank with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Hardened and ground toothed wheels and shafts, running in an oil bath on precision bearings
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Steady rest and follow rest
- Halogen machine lamp
- Cover for leading spindle

- Cable duct in an energy chain
- Foot brake
- Electrical system with Siemens components
- Adjustable scale of the threading gauge
- Acceptance certificate

DPA machine:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

conventional

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Bed bridge

- The turning diameter is increased to 516 mm by taking out the bed bridge

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Tailstock

- Adjustable by ± 6 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Prism bed

- Heavily ribbed
- Grey cast-iron
- Inductively hardened
- Precision ground

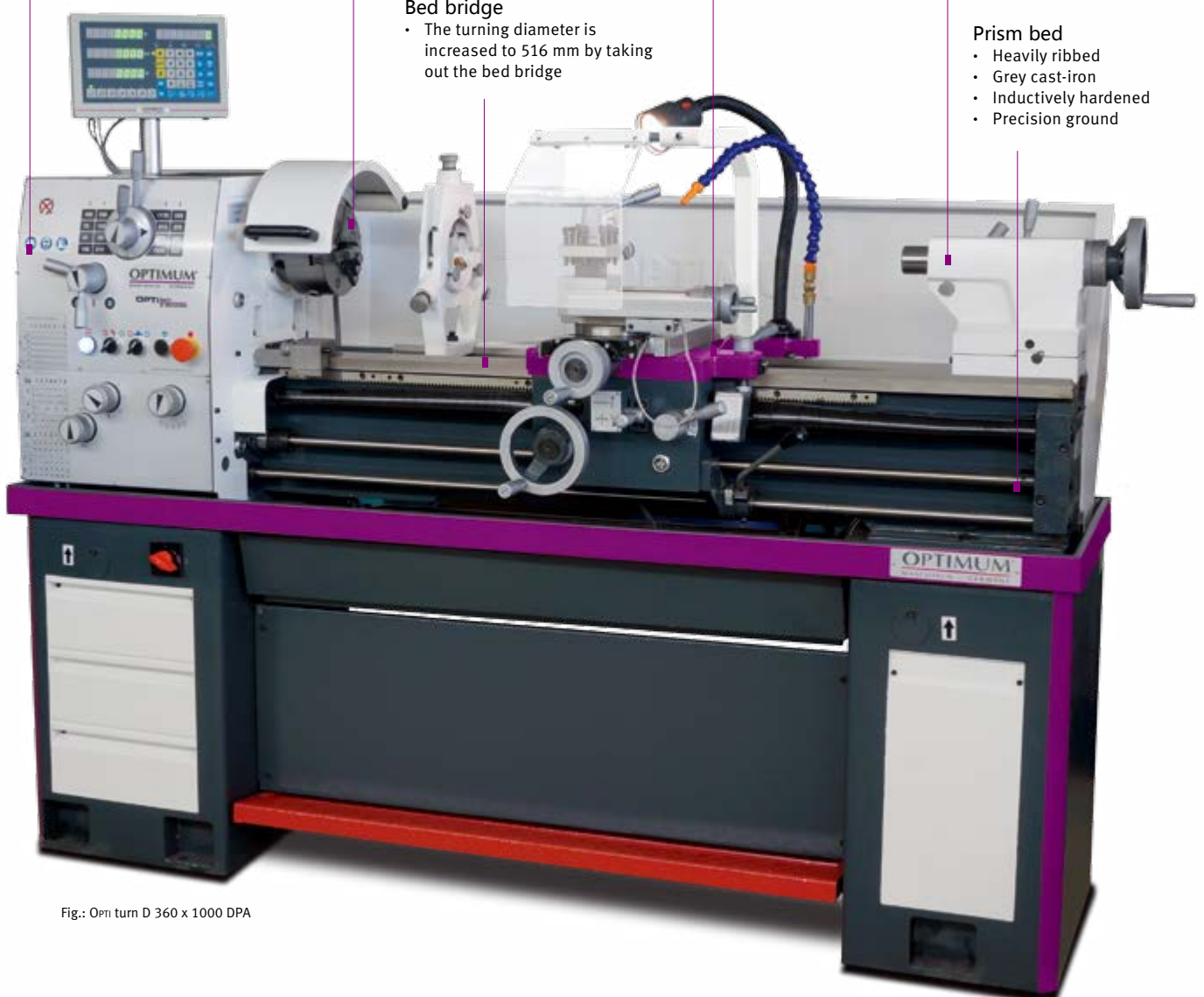


Fig.: Opti turn D 360 x 1000 DPA

Type	D 360 x 1000
Item No	340 1150
Type	D 360 x 1000 DPA
Item No	340 1150DPA
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Main motor power, 2 stages	1.5/2.4 kW
Coolant equipment	40 W
Working areas	
Centre height	180 mm
Centre width	1'000 mm
Turning Ø over lathe bed	356 mm
Turning Ø over cross slide	220 mm
Turning Ø in the bed bridge	516 mm
Length of bed bridge	240 mm
Bed width	205 mm
Speeds	
Spindle speed	45 - 1'800 min ⁻¹
Number of steps	16 steps
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	95 mm
Travel cross slide	180 mm
Longitudinal feed in the range of	0.043 - 0.653 mm/rev; 42 feeds
Transverse feed in the range of	0.015 - 0.220 mm/rev; 42 feeds
Pitch - Metric in the range of	0.45 - 7.5 mm/rev; 37 thread pitches
Pitch - Inch in the range of	112 - 4 threads/1"; 28 thread pitches
Quadruple tool holder seat height	Max. 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	126 mm
Dimensions	
Length x width x height	1'920 x 800 x 1'250 (DPA 1.490) mm
Net weight	850 kg

Standard equipment

- Three jaw lathe chuck Ø 160 mm centric clamping
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 320 mm
- Reducing bush MT 5/MT 3
- 2 steady centres MT 3
- Steady rest Passage up to Ø 100 mm
- Follow rest Passage up to Ø 95 mm
- Mounted machine base
- Spindle brake
- Splash board mounted
- Lathe chuck protection
- Threading gauge
- Quadruple tool holder
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool

Accessories	Item No	
Three jaw chuck cast iron Ø 200 mm	344 2762	
Three jaw chuck CI3P cast iron Ø 200 mm	344 2045	
Four jaw chuck CI4P cast iron Ø 200 mm	344 2145	
Three jaw chuck CS3C steel Ø 200 mm	344 2545	
Four jaw chuck CS4C steel Ø 200 mm	344 2645	
Please find more lathe chucks/non-rigid block jaws from page 104 on		
Lathe tool kit 16 mm, 11 pcs	344 1508	
Lathe tool kit HM 16 mm, 7 pcs	344 1511	
Universal collet attachment 5C	344 1506	
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	
Position limit stop with fine adjustment	344 1524	
Quick change tool holder SWH 3-E	338 4303	
Workshop assembly SWH	900 0400	
Vibration damping machine foot SE 2	338 1016	

Completely equipped precision centre lathe with electronically infinitely variable drive "power by Siemens" and digital position display DPA 2000 S

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Speed monitoring according to machine directive
- EMC filter also for the use in mixed-use areas
- Coolant equipment with separate coolant tank separately with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Hardened and ground toothed wheels and shafts, running in an oil bath on precision bearings
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Quick action tool holder and tool holder for square tools
- Halogen machine lamp
- Cover for leading spindle
- New machine base with drawers
- Largely dimensioned chip protection
- Cable duct in an energy chain
- Foot brake
- Electrical system with Siemens components
- Adjustable scale of the threading gauge

- Acceptance certificate
- **Digital position display DPA 2000 S** and glass scales
- Speed display
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Glare-free display

Converter SINAMICS G120D

- Enhanced safety function (STO, SLS)
- Energetic recovery system, low circuit feedback
- Energy saving of up to 20 %
- No braking resistor required
- Easy and rapid diagnosis capability by means of LED
- Continuous standardized plug connection
- Robust construction of flat type (IP65)
- EMV class C2 according to EN 61800-3
- Safety Integrated without transmitter!
- STO - Safe Torque Off according to EN 61800-5
- SLS - Safety Limited Speed according to EN 61800-5



vario drive

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- High quality GATES driving belts

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Bed bridge

- The turning diameter is increased to 516 mm by taking out the bed bridge

Tailstock

- Adjustable by ± 6 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Prism bed

- Heavily ribbed
- Grey cast-iron
- Inductively hardened
- Precision ground



Fig.: OPTIturn TU3610V



Type	TU 3610 V
Item No	340 3130
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Main motor power	4 kW
Coolant equipment	40 W
Working areas	
Centre height	180 mm
Centre width	1'000 mm
Turning Ø over lathe bed	356 mm
Turning Ø over cross slide	220 mm
Turning Ø in the bed bridge	516 mm
Length of bed bridge	240 mm
Bed width	205 mm
Speeds	
Spindle speed	30 - 550 min ⁻¹ / 160 - 3000 min ⁻¹ *
Number of steps	2 steps, electrically adjustable speed
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	95 mm
Travel cross slide	180 mm
Longitudinal feed in the range of	0.043 - 0.653 mm/rev; 42 feeds
Transverse feed in the range of	0.015 - 0.220 mm/rev; 42 feeds
Pitch - Metric in the range of	0.45 - 7.5 mm/rev; 37 thread pitches
Pitch - Inch in the range of	112 - 4 threads/1"; 28 thread pitches
Quadruple tool holder seat height	Max. 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	120 mm
Dimensions	
Length x width x height	1'920 x 800 x 1'250 (DPA 1.490) mm
Net weight	850 kg

* Speed under reserve

Standard equipment

- Three jaw lathe chuck Ø 160 mm centric clamping
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 320 mm
- Reducing bush MT 5/MT 3
- 2 steady centres MT 3
- Steady rest Passage up to Ø 100 mm
- Follow rest Passage up to Ø 95 mm
- Mounted machine base
- Splash board mounted
- Lathe chuck protection
- Threading gauge
- Quick action tool holder
- Tool holder for square tools
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool

Accessories	Item No	
Three jaw chuck CS3C steel Ø 160 mm Speed 4'500 min ⁻¹	344 2540	
Three jaw chuck CS3C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2545	
Four jaw chuck CS4C steel Ø 160 mm Speed 4'500 min ⁻¹	344 2640	
Four jaw chuck CS4C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2645	
Please find more lathe chucks and non-rigid block jaws from page 104 on		
Revolving centre MT 3	344 0703	
Lathe tool kit 16 mm, 11 pcs	344 1508	
Lathe tool kit 16 mm, 7 pcs	344 1511	
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	
Workshop assembly SWH	900 0400	
Position limit stop with fine adjustment	344 1524	
Universal collet attachment 5C	344 1506	
Vibration damping machine foot SE 2	338 1016	

Precise centre lathes. Advanced technology, complete equipment, easy-to-operate. DPA version with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 No. 6
- Coolant equipment with separate coolant tank separately with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Main spindle running in an oil bath hardened and ground mounted on 2 adjustable precision taper roller bearings
- All metric thread pitch in the range from 0.2 to 14 mm/r and all inch threads in the range from 72 - 2 threads per inch without replacing the change gears by means of gear levers adjustable on the control panel
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Central lubrication at the bed slide
- Cover for leading spindle

- Electrical system with Siemens components
- Foot brake
- Adjustable scale of the threading gauge
- Halogen machine lamp with articulated arm
- Acceptance certificate

DPA machine:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

conventional

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Fast acting feed gear

- Closed structure
- Hardened and ground toothed wheels and shafts
- Running in an oil bath on precision bearings

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Turret head

- With fine adjustment as limit stop for table saddle

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Bed bridge

- The turning diameter is increased to 590 mm by taking out the bed bridge

Base frame and lathe bed

- Meehanite casting
- One-piece casting



Energy chain

- Cable duct in an energy chain

Tailstock

- Adjustable by ± 13 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling

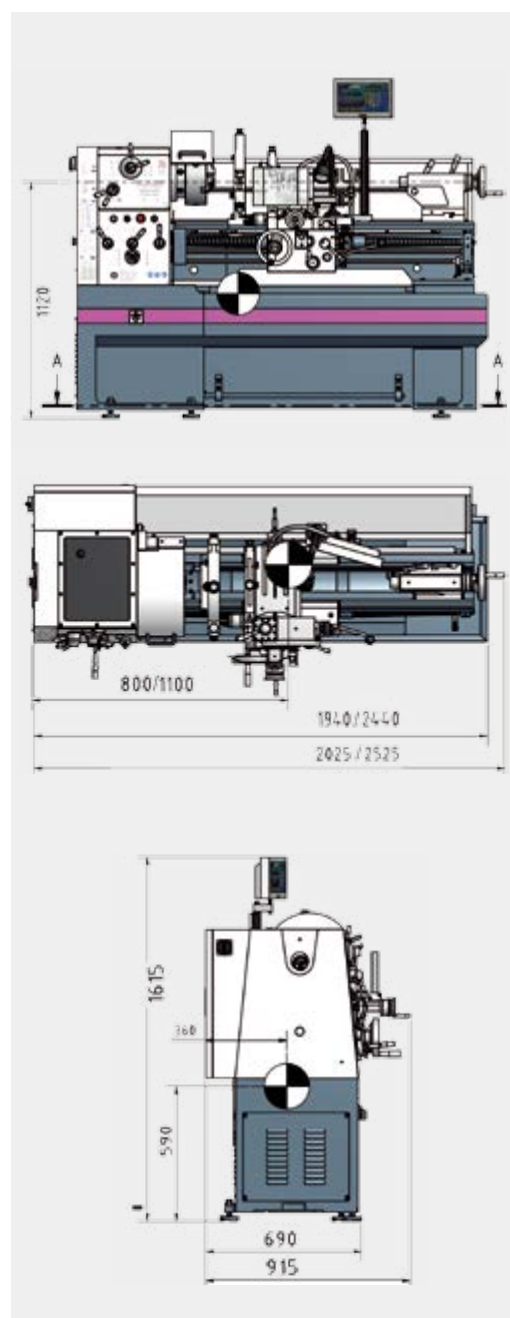


Fig.: OPTIturn D 420 x 1000

Type	D 420 x 1000	D 420 x 1500
Item No	340 1160	340 1165

Type	D 420 x 1000 DPA	D 420 x 1500 DPA
Item No	340 1160DPA	340 1165DPA

Machine datas		
Electrical connection	400 V / 3 Ph ~50 Hz	
Total connected value	4.5 kW	
Coolant equipment	100 W	
Working areas		
Centre height	210 mm	
Centre width	1'000 mm	1'500 mm
Turning Ø over lathe bed	420 mm	
Turning Ø over cross slide	250 mm	
Turning Ø in the bed bridge	590 mm	
Length of bed bridge	260 mm	
Bed width	250 mm	
Speeds		
Spindle speed	45 - 1'800 min ⁻¹	
Number of steps	16 steps	
Headstock		
Spindle taper	MT 6	
Spindle seat	Camlock DIN ISO 702-2 Nr. 6	
Spindle drilling, rod passage	Ø 52 mm	
Slide		
Travel top slide	140 mm	
Travel cross slide	230 mm	
Longitudinal feed in the range of	0.05 - 1.7 mm/rev; 17 feeds	
Transverse feed in the range of	0.025 - 0.85 mm/rev; 17 feeds	
Pitch - Metric in the range of	0.2 - 14 mm/rec; 39 thread pitches	
Pitch - Inch in the range of	72 - 2 threads/1"; 45 thread pitches	
Trapezoid thread in the range of	8 - 44; 21 trapezoid thread	
Modular thread in the range of	0.3 - 3.5; 18 modular thread	
Quadruple tool holder seat height	Max. 20 x 20 mm	
Tailstock		
Tailstock seat	MT 4	
Tailstock - sleeve travel	120 mm	
Dimensions		
Length	2,025 mm	2,525 mm
Width x Height	915 x 1'375 (DPA 1'615) mm	
Net weight	1,550 kg	1,800 kg



LATHE

Standard equipment

- Three-jaw lathe chuck Ø 200 mm
- Four jaw lathe chuck Ø 250 mm with universally adjustable jaws
- Face clamping disc Ø 350 mm
- Quick action tool holder
- Tool holder for square tools
- Reducing bush MT 6/MT 4
- 2 steady centres MT 4
- Steady rest Passage Ø max. 145 mm
- Follow rest Passage

- Ø max. 75 mm
- Machine substructure
- Spindle brake
- Splash board mounted
- Lathe chuck protection
- Chip protection at the top slide
- Turret stop with fine adjustment
- Threading gauge
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool

Accessories	Item No	
Three jaw chuck CI3P Ø 250 mm cast iron Speed 2'000 min ⁻¹	344 2055	
Four jaw chuck CI4P Ø 200 mm cast iron Speed 2'500 min ⁻¹	344 2150	
Three jaw chuck CS3C Ø 250 mm steel Speed 3'500 min ⁻¹	344 2555	
Four jaw chuck CS4C Ø 250 mm steel Speed 3'500 min ⁻¹	344 2655	
Please find more lathe chucks and non-rigid block jaws from page 104 on		
Lathe tool kit HM 20 mm, 7 pcs	344 4011	
Collet chuck kit 3 - 25 mm, 5C, 17 pcs.	344 1509	
Vibration damping machine foot SE 2	338 1016	
Universal collet attachment 5C	344 1507	

Completely equipped precision centre lathe with electronically infinitely variable drive "power by Siemens" and digital position display DPA 2000 S

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 No. 6
- Speed monitoring according to machine directive
- EMC filter also for the use in mixed-use areas
- Coolant equipment with separate coolant tank separately with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- All metric thread pitch in the range from 0.2 to 14 mm/rev and all inch threads in the range from 72 - 2 threads per inch without replacing the change gears by means of gear levers adjustable on the control panel
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Halogen machine lamp
- Central lubrication at the bed slide
- Cover for leading spindle
- Largely dimensioned chip protection
- Foot brake

- Electrical system with Siemens components
- Adjustable scale of the threading gauge
- Acceptance certificate
- **Digital position display DPA 2000 S** and glass scales
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Glare-free display

Converter SINAMICS G120D

- Enhanced safety function (STO, SLS)
- Energetic recovery system, low circuit feedback
- Energy saving of up to 20 %
- No braking resistor required
- Easy and rapid diagnosis capability by means of LED
- Continuous standardized plug connection
- Robust construction of flat type (IP65)
- EMV class C2 according to EN 61800-3
- Safety Integrated without transmitter!
- STO - Safe Torque Off according to EN 61800-5
- SLS - Safety Limited Speed according to EN 61800-5



vario drive

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- High quality GATES driving belts

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Base frame and lathe bed

- Meehanite casting
- One-piece casting

Tailstock

- Adjustable by ± 13 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling

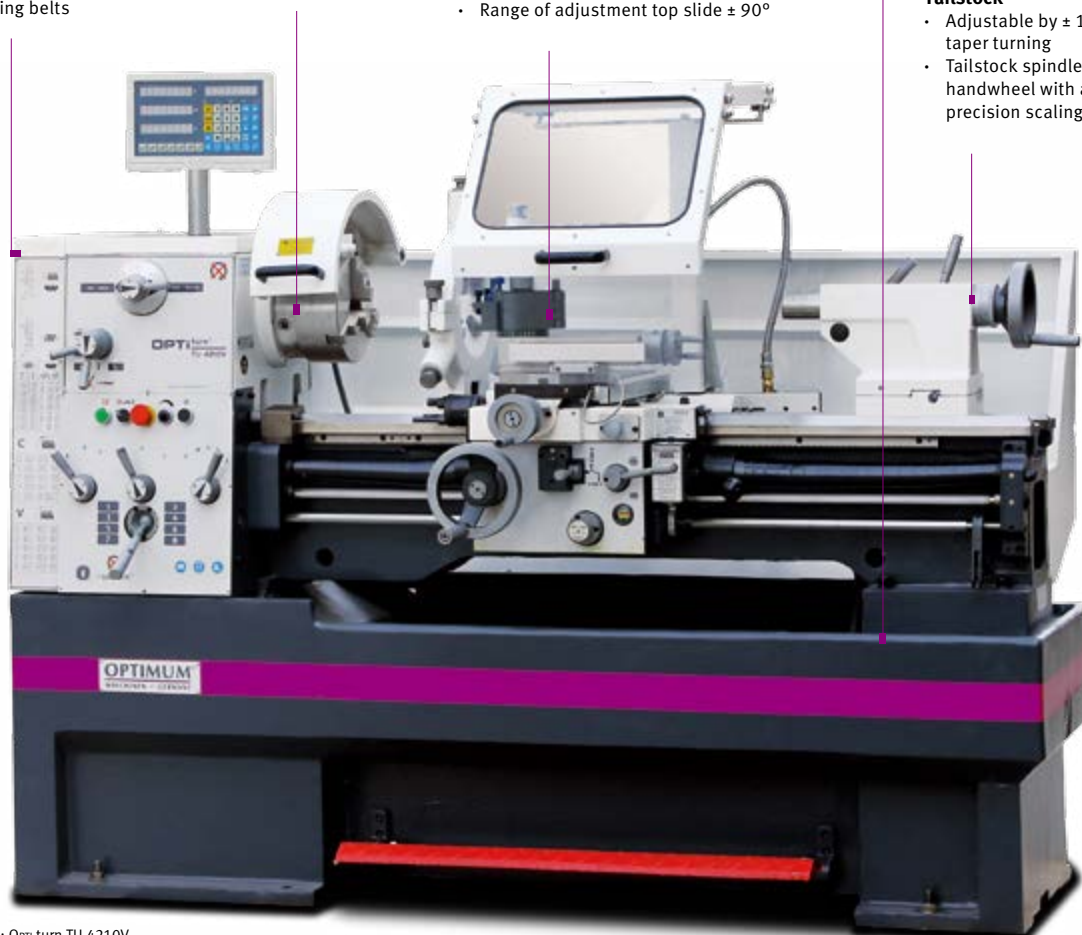
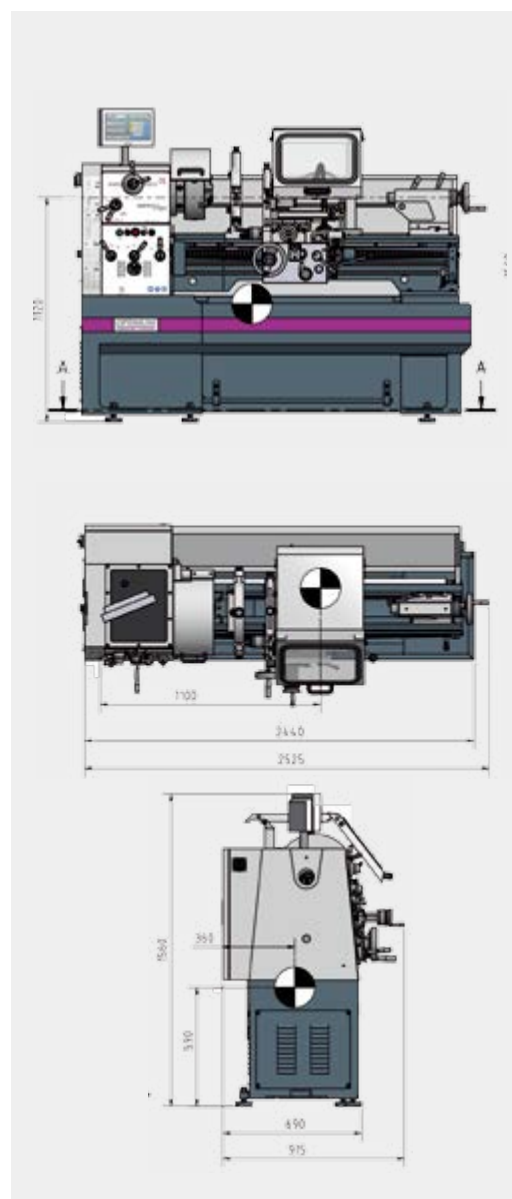


Fig.: Optimum TU 4210V

Type	TU 4210 V
Item No	340 3150
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Total connected value	5.5 kW
Coolant equipment	100 W
Working areas	
Centre height	210 mm
Centre width	1'000 mm
Turning Ø over lathe bed	420 mm
Turning Ø over cross slide	250 mm
Turning Ø in the bed bridge	590 mm
Length of bed bridge	260 mm
Bed width	250 mm
Speeds	
Spindle speed	30 - 550 min ⁻¹ / 160 - 3'000 min ⁻¹ *
Number of steps	2 steps, electrically adjustable speed
Headstock	
Spindle taper	MT 6
Spindle seat	Camlock DIN ISO 702-2 Nr. 6
Spindle drilling, rod passage	Ø 52 mm
Slide	
Travel top slide	140 mm
Travel cross slide	230 mm
Longitudinal feed in the range of	0.05 - 1.7 mm/rev;
Transverse feed in the range of	0.025 - 0.85 mm/rev;
Pitch - Metric in the range of	0.2 - 14 mm/rec;
Pitch - Inch in the range of	72 - 2 threads/1";
Trapezoid thread in the range of	8 - 44;
Modular thread in the range of	0.3 - 3.5;
Quadruple tool holder seat height	Max. 20 x 20 mm
Tailstock	
Tailstock seat	MT 4
Tailstock - sleeve travel	120 mm
Dimensions	
Length x width x height	2'025 mm x 915 x 1'615 mm
Net weight	1'550 kg

* Speed under reserve



LATHE

Standard equipment

- Three-jaw lathe chuck Ø 200 mm
- Four jaw lathe chuck Ø 250 mm with universally adjustable jaws
- Face clamping disc Ø 350 mm
- Reducing bush MT 6/MT 4
- 2 steady centres MT 4
- Steady rest Passage Ø max. 145 mm
- Follow rest Passage Ø max. 75 mm
- Digital position display
- DPA 2000 S
- Glass scales
- Splash board mounted
- Lathe chuck protection
- Chip protection at the top slide
- Turret stop with fine adjustment
- Threading gauge
- Quick action tool holder
- Tool holder for square tools
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool

Accessories	Item No	
Three jaw chuck CS3C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2550	
Three jaw chuck CS3C steel Ø 250 mm Speed 3'500 min ⁻¹	344 2555	
Four jaw chuck CS4C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2650	
Four jaw chuck CS4C steel Ø 250 mm Speed 3'500 min ⁻¹	344 2655	
Please find more lathe chucks and non-rigid block jaws from page 104 on		
Revolving centre MT 3	344 0703	
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	
Position limit stop with fine adjustment	344 1524	
Universal collet attachment 5C	344 1506	
Vibration damping machine foot SE 2	338 1016	

LATHE MACHINE

车 床 TM4010

NEW

优质、高效、高性价比

- 配置欧洲最新款卡盘防护罩
- 配置带刹车电机，刹车断电及时可靠
- 配置全防护刀架防护罩
- 配置整体床脚，外观造型更美观
- 配置 LED 节能灯，照明效果更好

Convincing arguments: quality, efficiency and price

- New style European chuck guard
- New brake motor system, more timely and reliable for brake and power cut
- Full-protection tool-post guard
- Integral stand, appearance and style much nicer
- LED lamp, save more power and better lighting effect

主轴

- 好的同心度
- 高承载能力
- 精密锥度滚珠轴承支撑

Spindle

- Perfect concentricity
- High loading capacity
- Mounted in precision taper roller bearings

工作灯

- 能完全照射到工作区域

Machine lamp

- Complete illumination to the working area



快换刀架(可选)
Quick action tool
holder(optional)

尾架

- 经淬火和精密磨削的套筒
- 大尺寸
- 套筒带刻度

Tailstock

- Hardened and ground sleeves
- Largely dimensioned
- Sleeve with scale



整体床脚
one piece base

TM 4010



直流控制

- 动作响应速度快，转速稳定

DC control

- Fast response, stable running



主轴刹车

- 主轴电机带电磁制动，刹车停止快，动作准确

Brake motor

- spindle motor with electro-magnetic brake, fast stop by brake, accurate operation

六边形结构床身

- 高强度加强筋
- 高强度

Hexagon structure bed

- Heavily ribbed special cast
- High rigidity



机床技术参数 /Specification

型号	Model	TM4010
货号	Item No.	4640300
电机功率	Motor power	2.2 Kw
水泵电机功率	Motor coolant pump	100 W
主轴电机功率	Spindle Motor	2.2 Kw
主轴锥度	Spindle taper	MK4
主轴类型	Spindle seat	D5
主轴通孔直径	Spindle drilling,rod passage	Ø 53 mm
主轴中心高	Centre height	200 mm
主轴中心距	Centre width	1000 mm
床身上最大回转直径	Turning Ø over lathe bed	Ø 400 mm
拖板上最大回转直径	Turning Ø over cross slide	Ø 50 mm
主轴转速	Spindle speed	2000/1255/755/460/300/190/155/70 rpm
档位数	Steps of spindle	8
小拖板行程	Travel top slide	98 mm
中拖板行程	Travel cross slide	185 mm
纵向进给范围	Longitudinal feed in the range of	0.014-0.38 mm
横向进给范围	Transverse feed in the range of	0.052-1.392 mm
公制螺纹范围	Pitch - Metric in the range of	0.4-7 mm
英制螺纹范围	Pitch - Inch in the range of	56-4 mm
刀架安装座最大高度	Tool holder seat height(max.)	30 mm
尾架套筒直径	Tailstock seat	Ø 60 mm
尾架套筒行程	Tailstock - sleeve travel	0-110 mm
外形尺寸	Length x width x height	1950×820×1530 mm
净重/毛重	Net weight/Gross weight	500/598 kg

标准附件：

- LED 工作灯 CLL40S12DBS6HN
- 冷却泵 400V 3Ph 50Hz 100W
- 三爪卡盘 K11-200/D5
- 中心架 Φ10- Φ100 mm
- 跟刀架 Φ10- Φ60 mm
- 四方刀架
- 电磁离合器主轴刹车

Standard Accessories:

- LED Machine lamp CLL40S12DBS6HN
- Coolant pump 400V 3Ph 50Hz 100W
- 3-jaw chuck K11-200/D5
- Steady rest Φ10- Φ100 mm bronze bushes
- Follow rest Φ10- Φ60 mm roll
- Quadruple tool holder
- Brake motor

可选附件：

- 四爪卡盘 K72-200/D5
- 数显表
- 乱扣盘
- 花盘 Φ330/D5
- 卡盘护罩
- 刀架护罩
- 丝杆防护罩
- 一体一夹欧式 3-E 快换刀架 SWH3-E

Optional Accessories:

- 4-jaw chuck K72-200/D5 cast
- Digital position display
- Threading watch
- Face plate Φ330/D5
- Chuck cover
- Tool-post guard
- Leadscrew cover
- One-body one-holder European 3-E quickaction tool-holder SWE3-E

LATHE MACHINE

车 床 TX 4412/TX 5216/TX 6222

NEW

主轴

- 好的同心度
- 高承载能力
- 精密锥度滚珠轴承支撑

Spindle

- Perfect concentricity
- High loading capacity
- Mounted in precision taper roller bearings

工作灯

- 能完全照射到工作区域

Machine lamp

- Complete illumination to the working area

快换刀架(可选)

Quick action tool holder(optional)



尾架

- 经淬火和精密磨削的套筒
- 大尺寸
- 套筒带刻度

Tailstock

- Hardened and ground sleeves
- Largely dimensioned
- Sleeve with scale

整体床脚
one piece base

TX 5216



进给齿轮

- 所有齿轮均为钢件制作
- 淬火加精磨
- 轴安装在滚针轴承上
- 所有部件都有润滑

Feed gear

- All gears made of steel
- hardened and precision ground
- Shafts on needle bearings
- All components are lubricated in an oil bath



溜板箱

- 完整密封的箱体
- 带有安全防护以免车螺纹和进给机构同时操作

Apron

- Completely sealed housing
- With safety equipment against operation of threading and feed mechanism at the same time



棱柱床身

- 高强度加强筋
- 高强度

Prism bed

- Heavily ribbed special cast
- High rigidity

机床技术参数 / Specification

型号	Model	TX 4412	TX 5216	TX 6222
货号	Item No.	4244300	4254400	4262500
电压	Electrical connection	3 x 400 V ~50 Hz	3 x 400 V ~50 Hz	3 x 400 V ~50 Hz
电机功率	Drive motor	4 KW	5.5 KW	7.5 KW
加工范围	Work areas			
主轴中心高	Centre height	220 mm	260 mm	310 mm
主轴中心距	Centre width	1200 mm	1600 mm	2200 mm
床身上最大回转直径	Turning Ø over lathe bed	Ø440 mm	Ø520 mm	Ø620 mm
马鞍板上最大回转直径	Turning Ø in the bed bridge	Ø640 mm	Ø780 mm	Ø880 mm
拖板上最大回转直径	Turning Ø over cross slide	Ø210 mm	Ø324 mm	Ø424 mm
花盘前马鞍板的有效长度	Turning length in the bed bridge from face plate	250 mm	280 mm	280 mm
主轴	Headstock			
主轴通孔	Spindle bore	Ø52 mm	Ø80 mm	Ø105 mm
主轴锥度	Main spindle taper	MT6	MT7(Ø80)	1:20(Ø105)
主轴转速	Spindle speeds	40-2200 rpm	30-1500 rpm	40-1650 rpm
档位数	Speed step	12 steps	12 steps	12 steps
进给及螺纹	Feed and thread pitch			
纵向进给范围	Longitudinal feed	0.05 - 0.75 mm/rev	0.05 - 1.5 mm/rev	0.05 - 1.5 mm/rev
横向进给范围	Cross feed	0.025 - 0.375 mm/rev	0.025 - 0.75 mm/rev	0.025 - 0.75 mm/rev
公制螺纹范围	Metric thread	0.5 - 7.5 mm/rev	0.5 - 15 mm/rev	0.5 - 15 mm/rev
大丝杆规格	Pitch lead screw	6 mm	12 mm	12 mm
拖板	Carriage			
中拖板行程	Travel cross slide	300 mm	350 mm	350 mm
小拖板行程	Travel top slide	130 mm	170 mm	170 mm
尾架	Tailstock			
尾架套筒直径	Quill diameter	Ø58 mm	Ø72 mm	Ø72 mm
尾架套筒行程	Sleeve stroke	155 mm	180 mm	180 mm
套筒内孔锥度	Taper in the sleeve	MT4	MT5	MT5
外形尺寸	Dimensions			
长宽高	Length x width x height	/	2860x1150x1780 mm	3460x1150x1830 mm
净重	Total weight	/	2470 kg	2800 kg

标准附件 : (TX5216)

- LED 工作灯 CLL40S24DBS6HN-5630
- 冷却泵 400V 3Ph 50Hz 100W
- 三爪卡盘 K11-315/D8
- 大托板快速进给
- 四工位行程挡铁
- 四方刀架
- 主轴电磁刹车

Standard Accessories: (TX5216)

- LED Machine lamp CLL40S24DBS6HN-5630
- Coolant pump 400V 3Ph 50Hz 100W
- 3-jaw chuck K11-315/D8
- Rapid-feed on carriage
- 4-station length stop
- Quadruple tool holder
- Spindle electro-magnetic brake

可选附件 : (TX5216)

- 四爪卡盘 K72-350/D8
- 中心架 Ø10-185 mm
- 跟刀架 Ø15-125 mm
- 花盘 Ø480/D1-8
- 卡盘护罩
- 刀架护罩
- 丝杆防护罩
- 一体一夹欧式 5-B 快换刀架 SWH5-B
- NEWALL 球栅三轴
- 三轴数显

Optional Accessories: (TX5216)

- 4-jaw chuck K72-350/D8 cast
- Steady rest Ø10- Ø185 mm bronze bushes
- Follow rest Ø15- Ø125 mm roll
- Face plate Ø480/D1-8
- Chuck cover
- Tool-post guard
- Leadscrew cover
- One-body one-holder European 5-B quickaction tool-holder SWE5-B
- NEWALL 3-axis ball grid DRO
- DPA21

VARIABLE SPEED MINI LATHE

无级变速小车床 TURNER 140x250V/ TURNER 180x300V



细节展示 Details



- 头箱控制板
- Head stock control board



- 刀架与拖板
- Tool post & slide



- 三爪卡盘
- 3 jaw chuck



- 精密强力切削刀架
- Precision solid tool post



- 速度控制, 主轴支撑采用双锥形滚珠轴承
- Speed control, spindle mounted in dual taper ball bearing



- 尾架可调整切削锥度
- Tailstock adjustable with cutting taper

机床技术参数 /Specification

型号	Model	Turner 140V	Turner 180V
产品编号	Code No.	4114000	4118000
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø140 mm	Ø180 mm
拖板上最大回转直径	Swing over cross slide	Ø78 mm	Ø120 mm
两顶尖中心距	Admits between	250 mm	300 mm
主轴中心高	Center height	70 mm	90 mm
床身宽度	Width of bed	70 mm	100 mm
主轴	HEADSTOCK		
主轴通孔直径	Spindle bore	Ø11 mm	Ø21 mm
主轴内孔锥度	Taper of spindle bore	MT1	MT3
主轴转速范围	Range of spindle speed	150-3000 rpm	150-2500 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板最大纵向行程	Compound rest travel	40 mm	75 mm
中拖板最大横向行程	Cross slide travel	55 mm	100 mm
车刀刀杆最大截面	Max.Section of tool	8×8 mm	10×10 mm
公制螺纹范围	Threads metric pitches	0.5-1 mm	0.5-3 mm
英制螺纹范围	Threads imperial pitches	5-15 TPI	10-44 TPI
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø18 mm	Ø25 mm
尾座套筒行程	Quill travel	50 mm	60 mm
尾座套筒内孔锥度	Quill taper	MT1	MT2
电机	MOTOR		
主电机功率	Main motor power	230 V or 110 V/ 350 W	600 W
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸 (长×宽×高)	Overall dimension(L×W×H)	550×255×280 mm	740×390×310 mm
包装箱尺寸 (长×宽×高)	Packing size(L×W×H)	720×415×345 mm	810×470×440 mm
净重/毛重	Net weight/Gross weight	23/26 kg	61/71 kg

标准附件 :

- 三爪卡盘 Ø80 (Turner 140)
Ø100 (Turner 180)
- 死顶尖 MT1
- 挂轮
- 六角扳手
- 挡屑板
- 油盘
- 油枪

Standard Accessories:

- 3-jaw chuck Ø80 (Turner 140)
Ø100 (Turner 180)
- Dead center MT1
- Change gears kit
- Hexagon wrench
- Splash guard
- Chip tray
- Oil gun

可选附件 :

- 中心架 Ø2-50 (Turner180)
- 跟刀架 Ø2-50 (Turner180)
- 车刀 8×8mm
- 活顶尖 MT1
- ER16 弹簧夹头
- ER16 弹簧夹头座
- 花盘 Ø80-140mm(Turner180)
- 四爪卡盘 Ø80 (Turner 140)
Ø100 (Turner 180)
- 法兰盘 Ø80 (Turner 140)
Ø100 (Turner 180)

Optional Accessories:

- Steady rest Ø2-50 (Turner180)
- Follow rest Ø2-50 (Turner180)
- Turning tools 8×8mm
- Live center MT1
- ER16 collet
- ER16 collet chuck
- Face plate Ø80-140mm(Turner180)
- 4-jaw chuck Ø80 (Turner 140)
Ø100 (Turner 180)
- Back plate Ø80 (Turner 140)
Ø100 (Turner 180)

LATHE MACHINE

车床 TURNER 210(V)/TURNER 250F(V)



TURNER 210V

挂轮组

- . 攻丝
 - . 通过 V 形皮带快速简单地变速
- Change gear kit**
- . For threading
 - . Easy and fast speed change via V-belts

尾架

- . 可调节车前锥度
- . 带有 0.02mm 精度可
调的尾架套筒和手轮

Tailstock

- . Adjustable for taper turning
- . Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm



拖板

- . 精加工
 - . 可调精度(0.04/0.01mm)
 - . 四方刀架
 - . 所有导轨均可调节
- Slide**
- . Precisely machined
 - . Handwheels with adjustable precision scaling of 0.04/0.01mm
 - . Quadruple tool holder
 - . All guidings adjustable via Vledges

TURNER 250F

机床技术参数 /Specification

型号	Model	Turner 210x400	Turner 210x400 Vario	Turner 250F	Turner 250F V
产品编号	Code No.	4121002(230V)	4421000	4125102(230V)	4425100
产品编号	Code No.	4121003(400V)		4125103(400V)	
加工范围	Capacity				
床身上最大回转直径	Swing over bed	Ø210 mm	Ø210 mm	Ø250 mm	Ø250 mm
拖板上最大回转直径	Swing over cross slide	Ø110 mm	Ø110 mm	Ø150 mm	Ø150 mm
两顶尖中心距	Admits between	330 mm	330 mm	550 mm	550 mm
主轴中心高	Center height	105 mm	105 mm	125 mm	125 mm
床身宽度	Width of bed	135 mm	135 mm	135 mm	135 mm
主轴	HEADSTOCK				
主轴通孔直径	Spindle bore	Ø21 mm	Ø21 mm	Ø21 mm	Ø21 mm
主轴内孔锥度	Taper of spindle bore	MT3	MT3	MT3	MT3
主轴转速范围	Range of spindle speed	125-2000 rpm	150-2200 rpm	125-2000 rpm	150-2200 rpm
进给及螺纹	FEEDS AND THREADS				
小拖板最大行程	Top slide travel	75 mm	75 mm	75 mm	75 mm
中拖板最大行程	Cross slide travel	110 mm	110 mm	120 mm	120 mm
车刀刀杆最大截面	Max.Section of tool	12x12 mm	12x12 mm	12x12 mm	12x12 mm
公制螺纹范围	Threads metric pitches	0.4-3.5 mm	0.4-3.5 mm	0.4-3.5 mm	0.4-3.5 mm
英制螺纹范围	Threads imperial pitches	8-44 TPI	8-44 TPI	8-44 TPI	8-44 TPI
尾座	QUILL				
尾座套筒直径	Quill diameter	Ø30 mm	Ø30 mm	Ø30 mm	Ø30 mm
尾座套筒行程	Quill travel	70 mm	70 mm	70 mm	70 mm
尾座套筒内孔锥度	Quill taper	MT2	MT2	MT2	MT2
横向调整	Cross adjustment	±5 mm	±5 mm	±5 mm	±5 mm
电机	MOTOR				
主电机功率	Main motor power	750 W	750 W	750 W	1100 W
外形尺寸及重量	DIMENSION AND WEIGHT				
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	880x500x480 mm	880x500x480 mm	1110x500x500 mm	1110x500x500 mm
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	980x560x560 mm	980x560x560 mm	1200x560x570 mm	1200x560x570 mm
净重/毛重	Net weight/Gross weight	114/130 kg	114/130 kg	127/145 kg	127/145 kg

标准附件：

- 三爪卡盘 Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- 顶尖 MT2/MT3
- 挂轮
- 各种扳手
- 油盘

Standard Accessories:

- 3-jaw chuck Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- Dead center MT2/MT3
- Change gears kit
- Hexagon wrench
- Chip tray

可选附件：

- 中心架 Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- 跟刀架 Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- 花盘 Φ80-150mm(Turner 210(V))
Φ90-200mm(Turner 250F(V))
- 床脚
- 组合车刀 10mm/7 件
- 四爪卡盘 Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- 活顶尖 MT2
- 工作灯 JC34A
- 冷却泵
- 快换刀架

Optional Accessories:

- Steady rest Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- Follow rest Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- Face plate Φ80-150mm(Turner 210(V))
Φ90-200mm(Turner 250F(V))
- Stand
- Cutting tool set 10mm/7pcs
- 4-jaw chuck Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- Live center MT2
- Lamp JC34A
- Coolant pump
- Quick change tool post

LATHE MACHINE

车床 TURNER 240(V)/TURNER 280F(V)

优质、高效、高性价比

- 超音频淬火床身
- 强功率电机
- 欧洲标准安全磁性开关

标准附件：

- 三爪卡盘 $\Phi 125$
- 顶尖 MT2/MT4
- 挂轮
- 各种扳手
- 油盘

Standard Accessories:

- 3-jaw chuck $\Phi 125$
- Dead center MT2/MT4
- Change gears kit
- Hexagon wrench
- Chip tray

Convincing arguments: quality, efficiency and price

- Induction harden bedway
- Enough strong power motor
- Euro-safety magnetic switch or lock key switch

可选附件：

- 中心架 $\Phi 2.5-60$
- 跟刀架 $\Phi 2.5-60$
- 花盘 $\Phi 90-200\text{mm}$ (Turner 240(V))
 $\Phi 90-240\text{mm}$ (Turner 280F(V))
- 四爪卡盘 $\Phi 125\text{mm}$
- 法兰盘
- 活顶尖 MT2
- 工作灯 JC34A
- 冷却泵 AB-12
- 快换刀架
- 床脚

Optional Accessories:

- Steady rest $\Phi 2.5-60$
- Follow rest $\Phi 2.5-60$
- Face plate $\Phi 90-200\text{mm}$ (Turner 240(V))
 $\Phi 90-240\text{mm}$ (Turner 280F(V))
- 4-jaw chuck $\Phi 125\text{mm}$
- Back plate
- Live center MT2
- Lamp JC34A
- Coolant pump AB-12
- Quick change tool post
- Stand



TURNER 280F



TURNER 240

机床技术参数 /Specification

型号	Model	Turner240x500	Turner240x500 Vario	Turner 280F	Turner 280FV
产品编号	Code No.	4124102(230V)	4424100	4128102(230V)	4428100
产品编号	Code No.	4124103(400V)		4128103(400V)	
加工范围	Capacity				
床身上最大回转直径	Swing over bed	Ø250 mm	Ø250 mm	Ø280 mm	Ø280 mm
拖板上最大回转直径	Swing over cross slide	Ø150 mm	Ø150 mm	Ø170 mm	Ø170 mm
两顶尖中心距	Admits between	550 mm	550 mm	700 mm	700 mm
主轴中心高	Center height	125 mm	125 mm	140 mm	140 mm
床身宽度	Width of bed	135 mm	135 mm	180 mm	180 mm
主轴	HEADSTOCK				
主轴通孔直径	Spindle bore	Ø26 mm	Ø26 mm	Ø26 mm	Ø26 mm
主轴内孔锥度	Taper of spindle bore	MT4	MT4	MT4	MT4
主轴转速范围	Range of spindle speed	125-2000 rpm	50-2200 rpm	150-2000 rpm	50-2200 rpm
进给及螺纹	FEEDS AND THREADS				
小拖板最大行程	Top slide travel	75 mm	75 mm	60 mm	60 mm
中拖板最大行程	Cross slide travel	120 mm	120 mm	150 mm	150 mm
车刀刀杆最大截面	Max.Section of tool	12x12 mm	12x12 mm	14x14 mm	14x14 mm
公制螺纹范围	Threads metric pitches	0.2-3.5 mm	0.2-3.5 mm	0.2-3.5 mm	0.2-3.5 mm
英制螺纹范围	Threads imperial pitches	8-56 TPI	8-56 TPI	8-56 TPI	8-56 TPI
尾座	TAILSTOCK				
尾座套筒直径	Quill diameter	Ø30 mm	Ø30 mm	Ø30 mm	Ø30 mm
尾座套筒行程	Quill travel	70 mm	70 mm	105 mm	105 mm
尾座套筒内孔锥度	Quill taper	MT2	MT2	MT2	MT2
横向调整	Cross adjustment	±5 mm	±5 mm	±5 mm	±5 mm
电机	MOTOR				
主电机功率	Main motor power	750 W	1.1 KW	850 W DC	1.1 KW DC
外形尺寸及重量	DIMENSION AND WEIGHT				
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1110x500x500 mm	1110x500x500 mm	1220x660x560 mm	1220x660x560 mm
包装箱尺寸(长x宽x高)	Packing size(LxWxH)	1200x560x570 mm	1200x560x570 mm	1320x700x680 mm	1320x700x680 mm
净重/毛重	Net weight/Gross weight	138/156 kg	138/156 kg	196/225 kg	196/225 kg

MULTIFUNCTION LATHE MACHINE

多功能车床 TURNER 250M(V)/TURNER 280M(V)

优质、高效、高性价比

- 超音频淬火床身
- 强功率电机
- 欧洲标准安全磁性开关

Convincing arguments: quality, efficiency and price

- Induction harden bedway
- Enough strong power motor
- Euro-safety magnetic switch or lock key switch



TURNER 250M



TURNER 280M

机床技术参数 /Specification

型号	Model	Turner 250 M	Turner 250 MV	Turner 280 M	Turner 280 MV
产品编号	Code No.	4325000	4325100	4328000	4328100
车床	LATHE				
床身上最大回转直径	Swing over bed	Ø250 mm	Ø250 mm	Ø280 mm	Ø280 mm
两顶尖中心距	Distance between centers	550 mm	550 mm	700 mm	700 mm
主轴孔径	Spindle bore	Ø21 mm	Ø21 mm	Ø26 mm	Ø26 mm
主轴锥度	Spindle taper	MT3	MT3	MT4	MT4
主轴转速	Spindle speeds	125-2000 rpm	150-2200 rpm	125-2000 rpm	50-2200 rpm
尾架套筒锥度	Tailstock taper	MT2	MT2	MT2	MT2
公制螺距	Pitch-metric	0.4-3.5 mm	0.4-3.5 mm	0.2-3.5 mm	0.2-3.5 mm
英制螺距	Pitch-inch	8-44 TPI	8-44 TPI	8-56 TPI	8-56 TPI
电机功率	Motor power	750 W	1.1 KW	850 W	1.1 KW
钻铣床	MILL&DRILL				
最大钻孔直径	Max.drilling capacity	Ø16 mm	Ø16 mm	Ø20 mm	Ø20 mm
最大面铣能力	Face milling capacity(Max.)	Ø50 mm	Ø50 mm	Ø63 mm	Ø63 mm
最大立铣能力	End milling capacity(Max.)	Ø16 mm	Ø16 mm	Ø20 mm	Ø20 mm
主轴手动升降行程	Spindle travel manually	175 mm	175 mm	185 mm	185 mm
主轴锥度	Spindle taper	MT2/M10	MT2/M10	MT2/M10	MT2/M10
主轴转速	Spindle speed	100-3000 rpm	100-3000 rpm	100-3000 rpm	100-3000 rpm
套筒行程	Sleeve travel	50 mm	50 mm	50 mm	50 mm
T 型槽尺寸 / 长度 / 数量	T-Slots size / Distance / Number	10 mm / 35 mm / 3	10 mm / 35 mm / 3	12 mm / 63 mm / 3	12 mm / 63 mm / 3
Z 轴行程	Z-axis travel	200 mm	200 mm	280 mm	280 mm
Y 轴行程	Y-axis travel	140 mm	140 mm	170 mm	170 mm
电机功率	Motor power	500 W	500 W	750 W	750 W
包装尺寸	Packing size	1200X620X1060 mm	1200X620X1060 mm	1370X750X1010 mm	1370X750X1010 mm
净重 / 毛重	Net weight / Gross weight	192/208 kg	192/208 kg	266/290 kg	266/290 kg

标准附件：

- 三爪卡盘 Φ125
- 顶尖 MT3
- 挂轮
- M1.5:30,40,42,52,60,70,75(TURNER 250M)
- M1.5:30,45,50,60(2),65,85(TURNER 280M)
- 各种扳手
- 挡屑板

Standard Accessories:

- 3-jaw chuck Φ125
- Dead center MT3
- Change gears kit
- M1.5:30,40,42,52,60,70,75(TURNER 250M)
- M1.5:30,45,50,60(2),65,85(TURNER 280M)
- Hexagon wrench
- Splash guard

可选附件：

- 中心架 Φ2.5-60
- 跟刀架 Φ2.5-60
- 花盘 Φ90-200mm(Turner 250M)
- Φ90-240mm(Turner 280M)
- 四爪卡盘 Φ125mm
- 法兰盘
- 活顶尖 MT2
- 工作灯 JC34A
- 冷却泵
- 快换刀架
- 床脚

Optional Accessories:

- Steady rest Φ2.5-60
- Follow rest Φ2.5-60
- Face plate Φ90-200mm(Turner 250M)
- Φ90-240mm(Turner 280M)
- 4-jaw chuck Φ125mm
- Back plate
- Live center MT2
- Lamp JC34A
- Coolant pump
- Quick change tool post
- Stand

LATHE MACHINE

车 床 TU 2907



机床技术参数 /Specification

TU 2907

型号	Model	TU2907
货号	Item No.	4429100
两顶尖距离	Distance between centers	700 mm
床身回转直径	Swing over bed	Ø290 mm
中拖板回转直径	Swing over cross slide	Ø175 mm
床身宽度	Width of bed	180 mm
电机功率	Motor power	1100 W
主轴转速	Range of Spindle speed	150-2000 rpm
横向进给速度	Range of cross feed	0.0085-0.12 mm/rev
纵向进给速度	Range of longitudinal feed	0.07-1.0 mm/rev
英制螺纹	Range of imperial thread	8-56 TPI
公制螺纹	Range of metric thread	0.2-4 mm
主轴锥度	Spindle taper	MT4
主轴通孔直径	Spindle hole	Ø26 mm
小拖板行程	Travel top slide	60 mm
中拖板行程	Travel cross slide	140 mm
尾架套筒行程	Tailstock quill travel	80 mm
尾架套筒锥度	Taper of tailstock quill	MT2
包装尺寸	Packing size	1320x700x690 mm
净重	Net weight	195 kg

- 标准附件：
- 三爪卡盘 Ø125mm
 - 四爪卡盘 Ø125mm
 - 花盘 Ø250mm
 - 顶尖 MT2/MT4
 - 刀架防护
 - 车床卡盘防护罩
 - 四方刀架
 - 挂轮
 - 工具箱

- Standard accessroies
- Three-jaw chuck Ø 125 mm
 - Four-jaw chuck Ø 125 mm
 - Face plate Ø 250 mm
 - Center MT2/MT4
 - Tool post guard
 - Lathe chuck protection
 - Quadruple tool holder
 - Change gear kit
 - Toolbox

LATHE MACHINE

车 床 TU 3008/TU 3008V



TU3008



TU3008V

机床技术参数 /Specification

型号	Model	TU3008	TU3008V
货号	Item No.	4130200	4430200
加工范围	Capacity		
床身上最大回转直径	Turning ϕ over lathe bed	$\phi 310$ mm	$\phi 310$ mm
拖板上最大回转直径	Turning ϕ over cross slide	$\phi 190$ mm	$\phi 190$ mm
两顶尖距离	Admits between	750 mm	750 mm
主轴中心高	Center height	158 mm	158 mm
床身宽度	Width of bed	180 mm	180 mm
主轴	Headstock		
主轴通孔直径	Spindle bore	$\phi 38$ mm	$\phi 38$ mm
主轴内孔锥度	Spindle taper	MT5	MT5
主轴转速范围	Spindle speed	150/300/600/500 /1000/2000 rpm	30-300/70-700/140-1400 /200-2000/300-3000 rpm
进给及螺纹	Feed and thread		
小拖板最大行程	Top slide travel	65 mm	65 mm
中拖板最大行程	Cross slide travel	150 mm	150 mm
公制螺纹范围	Threads metric pitches	0.2-3.5 mm/U	0.2-3.5 mm/U
英制螺纹范围	Threads inch pitches	56-8 threads/inch	56-8 threads/inch
尾架	Tailstock		
尾架套筒直径	Quill diameter	$\phi 38$ mm	$\phi 38$ mm
尾架套筒行程	Quill travel	70 mm	70 mm
尾架套筒内孔锥度	Quill taper	MT3	MT3
电机	Motor		
电压	Electric tension	400 V	230 V
电机功率	Motor power	1.1 KW	1.5 KW
尺寸及重量	Dimension and weight		
外形尺寸	Overall dimension	1525×705×583 mm	1525×705×583 mm
包装尺寸	Packing size	1500×720×690 mm	1500×720×690 mm
毛重	Gross weight	260 kg	260 kg

LATHE MACHINE

车 床 TU 3008G

NEW

优质、高效、高性价比

- 全新的齿轮箱变速结构，通过拨档齿轮啮合来变换主轴转速，操作便捷，换速可靠
- 相对于皮带换速，不需要拆装挂轮罩，节省了操作者的工作时间，提高了工作效率
- 具有传动安全可靠，传动精度高等优点

Convincing arguments: quality, efficiency and price

- Adopt brand-new gear-box transmission structure and change the spindle speed through the shift gear engagement which is more convenient by operation and more reliable when change the speed
- Compared to speed change by belt, no need to disassembly and assembly the change-gear cover which can save the working time of operator and also improve the working efficiency
- More safety and reliable by transmission, and higher transmission accuracy

预备

- 预先加工的磁栅槽 X 轴和 Z 轴

Preparation

- Prepared for measurement system mounting the X and Z axis

拖板

- 四方刀架
- 所有导轨均可调节
- 大尺寸的刀架防护罩

Slide

- Quadruplicate tool holder
- All guideways adjustable via
- V-ledges free of play
- Big dimensioned chip protection at the top slide

尾架

- 可调节车前锥度
- 带有 0.02mm 精度可调的尾架套筒和手轮
- 通过锁紧手柄快速方便调节尾架

Tailstock

- Adjustable for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm
- Rapid and easy adjustment of the tailstock by means of a clamping lever



TU3008G

机床技术参数 /Specification

型号	Model	TU3008G
货号	Item No.	4530200
加工范围	Capacity	
床身上最大回转直径	Turning $\varnothing$ over lathe bed	$\varnothing 310$ mm
拖板上最大回转直径	Turning $\varnothing$ over cross slide	$\varnothing 190$ mm
两顶尖距离	Admits between	750 mm
主轴中心高	Center height	158 mm
床身宽度	Width of bed	180 mm
主轴	Headstock	
主轴通孔直径	Spindle bore	$\varnothing 38$ mm
主轴内孔锥度	Spindle taper	MT5
主轴转速范围	Spindle speed	180/320/560/820/1500/2600 rpm
进给及螺纹	Feed and thread	
小拖板最大行程	Top slide travel	65 mm
中拖板最大行程	Cross slide travel	150 mm
公制螺纹范围	Threads metric pitches	0.2-3.5 mm/U
英制螺纹范围	Threads inch pitches	56-8 threads/inch
尾架	Tailstock	
尾架套筒直径	Quill diameter	$\varnothing 38$ mm
尾架套筒行程	Quill travel	70 mm
尾架套筒内孔锥度	Quill taper	MT3
电机	Motor	
电压	Electric tension	400 V
电机功率	Motor power	1.1 KW
尺寸及重量	Dimension and weight	
外形尺寸	Overall dimension	1525×672×602 mm
包装尺寸	Packing size	1500×720×730 mm
毛重	Gross weight	243 kg

标准附件：

- 三爪卡盘 $\varnothing 160$ mm
- 固定中心 MK3 /MK5
- 四方刀架
- 挂轮
- 操作工具

Standard accessories:

- 3-jaw chuck $\varnothing 160$ mm
- Fixed center MK3 /MK5
- Quadruple tool holder
- Change gear kit
- Operating tool

可选附件：

- 中心架 $\varnothing 5$ - $\varnothing 60$
- 跟刀架 $\varnothing 5$ - $\varnothing 60$
- 花盘 $\varnothing 300$ (D1-4)
- 乱扣盘
- 活顶尖 MK3
- 快换刀架
- 数显表 DRO5

Optional accessories:

- Steady rest $\varnothing 5$ - $\varnothing 60$
- Follow rest $\varnothing 5$ - $\varnothing 60$
- Face plate $\varnothing 300$ (D1-4)
- Chasing dial indicator
- Live center MK3
- Quick change tool post
- Digital readout DRO5

LATHE MACHINE

车 床 TURNER 320 / TURNER 360L



TURNER 320

LATHE MACHINE

车 床 TURNER 3610



TURNER 3610

机床技术参数 /Specification

型号	Model	Turner 320	Turner 360L	Turner 3610
产品编号	Code No.	4232300	4237300	4236310
加工范围	Capacity			
床身上最大回转直径	Swing over bed	Ø330 mm	Ø360 mm	Ø360 mm
拖板上最大回转直径	Swing over cross slide	Ø190 mm	Ø210 mm	Ø210 mm
马鞍槽内最大回转直径	Swing in gap diameter	Ø475 mm	Ø490 mm	Ø490 mm
花盘前马鞍有效长度	Length of gap	115 mm	115 mm	115 mm
两顶尖中心距	Admits between	1000 mm	1000 mm	1000 mm
主轴中心高	Center height	165 mm	165 mm	165 mm
床身宽度	Width of bed	185 mm	185 mm	185 mm
主轴	HEADSTOCK			
主轴端部	Spindle nose	D1-4	D1-4	D1-5
主轴通孔直径	Spindle bore	Ø38 mm	Ø38 mm	Ø52 mm
主轴内孔锥度	Taper of spindle bore	MT5	MT5	MT6
主轴转速范围	Range of spindle speed	70-2000 rpm	70-2000 rpm	70-2000 rpm
进给及螺纹	FEEDS AND THREADS			
小拖板最大行程	Top slide travel	95 mm	95 mm	95 mm
中拖板最大行程	Cross slide travel	180 mm	180 mm	180 mm
大丝杆规格	Lead screw thread	4 mm	4 mm	4 mm
车刀刀杆最大截面	Max.Section of tool	16x16 mm	16x16 mm	16x16 mm
公制螺纹范围	Threads metric pitches	0.25-11 mm	0.4-7 mm	0.4-7 mm
英制螺纹范围	Threads imperial pitches	4-112 T.P.I.	8-112 T.P.I	8-112 T.P.I
尾座	TAILSTOCK			
尾座套筒直径	Quill diameter	Ø32 mm	Ø32 mm	Ø32 mm
尾座套筒行程	Quill travel	100 mm	100 mm	100 mm
尾座套筒内孔锥度	Quill taper	MT3	MT3	MT4
电机	MOTOR			
主电机功率	Main motor power	1.5 KW	1.5 KW	1.5 KW
冷却泵功率	Coolant pump power	40 W	40 W	40 W
外形尺寸及重量	DIMENSION AND WEIGHT			
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1820x740x1240 mm	1870x740x124 mm	1870x740x124 mm
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	1930x760x1450 mm	1970x760x1450 mm	1970x760x1450 mm
净重/毛重	NW/GW	520/640 kg	520/640 kg	520/640 kg

标准附件：

- 直装式三爪卡盘 Φ160/D4
- 挂轮
- 油盘
- 变径套 MT5/MT3
- 死顶尖 MT3 (2 只)
- 挡屑板
- 冷却系统
- 工作灯
- 直装式四爪卡盘 Φ200/D4
- 花盘 Φ280 (Turner 320)
- 花盘 Φ280 (Turner 3610)
- 中心架 Φ10-70 (Turner 320)
- 中心架 Φ10-70 (Turner 3610)
- 跟刀架 Φ10-60 (Turner 320)
- 跟刀架 Φ10-60 (Turner 3610)
- 脚刹
- 床脚

Standard Accessories:

- Straight-mounted 3-jaw chuck Φ160/D4
- Change gear kit
- Chip tray
- Reduction bushes MT5/MT3
- Dead center MT3 (2pcs)
- Splash guard
- Coolant system
- Machine lamp
- Straight-mounted 4-jaw chuck Φ200/D4
- Face plate Φ280 (Turner 320)
- Face plate Φ280 (Turner 3610)
- Steady rest Φ10-70 (Turner 320)
- Steady rest Φ10-70 (Turner 3610)
- Follow rest Φ10-60 (Turner 320)
- Follow rest Φ10-60 (Turner 3610)
- Foot brake
- Stand

可选附件：

- 车锥度附件
- 活顶尖 MT3
- 丝杆防护罩
- 快换刀架
- 套装组合车刀 16mm 7 件套
- 三轴数显装置
- 行程挡铁

Optional Accessories:

- Tapet turning attachment
- Live center MT3
- Leadscrew cover
- Quick change tool post
- Turning tool kit 16mm/7pcs
- 3-axis Digital redout
- 4-way tool holder

LATHE MACHINE

车床 TURNER 360



TURNER 360

LATHE MACHINE

车床 TURNER 380H



TURNER 380H

机床技术参数 /Specification

型号	Model	Turner 360	Turner 380H
产品编号	Code No.	4236300	4238303
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø355 mm	Ø400 mm
拖板上最大回转直径	Swing over cross slide	Ø220 mm	Ø260 mm
马鞍槽内最大回转直径	Swing in gap diameter	Ø505 mm	Ø550 mm
花盘前马鞍有效长度	Length of gap	145 mm	220 mm
两顶尖中心距	Admits between	1000 mm	1000 mm
主轴中心高	Center height	175 mm	200 mm
床身宽度	Width of bed	205 mm	205 mm
主轴	HEADSTOCK		
主轴端部	Spindle nose	D1-4	D1-5
主轴通孔直径	Spindle bore	Ø40 mm	Ø51 mm
主轴内孔锥度	Taper of spindle bore	MT5	MT6
主轴转速范围	Range of spindle speed	45-1800 rpm	45-1800 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板最大行程	Top slide travel	92 mm	92 mm
中拖板最大行程	Cross slide travel	176 mm	178 mm
大丝杆规格	Lead screw thread	4 mm	Tr22x4 mm/8TPI
车刀刀杆最大截面	Max.Section of tool	16x16 mm	16x16 mm
公制螺纹范围	Threads metric pitches	0.45-7.5 mm	M(37)0.4-7mm IN(22)0.45-7.5mm
英制螺纹范围	Threads imperial pitches	4-56 T.P.I.	M(28)4-56TPI IN(40)4-112TPI
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø45 mm	Ø45 mm
尾座套筒行程	Quill travel	120 mm	115 mm
尾座套筒内孔锥度	Quill taper	MT3	MT4
电机	MOTOR		
主电机功率	Main motor power	1.5 / 2.4 KW	1.5/2.4 KW
冷却泵功率	Coolant pump power	40 W	40 W
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1820x740x1250 mm	1830x720x1350 mm
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	1950x760x1450 mm	1950x760x1480 mm
净重/毛重	NW/GW	750/830 kg	780/850 Kg

标准附件：

- 直装式三爪卡盘 Φ160/D4
- 挂轮
- 油盘
- 变径套 MT5/MT3
- 死顶尖 MT3 (2 只)
- 挡屑板
- 冷却系统
- 工作灯
- 直装式四爪卡盘 Φ200/D4
- 花盘 Φ250 (Turner 360)
- 花盘 Φ250 (Turner 380H)
- 中心架 Φ6-85 (Turner 360)
- 中心架 Φ6-85 (Turner 380H)
- 跟刀架 Φ6-85 (Turner 360)
- 跟刀架 Φ6-85 (Turner 380H)
- 脚刹
- 床脚

Standard Accessories:

- Straight-mounted 3-jaw chuck Φ160/D4
- Change gear kit
- Chip tray
- Reduction bushes MT5/MT3
- Dead center MT3 (2pcs)
- Splash guard
- Coolant system
- Machine lamp
- Straight-mounted 4-jaw chuck Φ200/D4
- Face plate Φ250 (Turner 360)
- Face plate Φ250 (Turner 380H)
- Steady rest Φ6-85 (Turner 360)
- Steady rest Φ6-85 (Turner 380H)
- Follow rest Φ6-85 (Turner 360)
- Follow rest Φ6-85 (Turner 380H)
- Foot brake
- Stand

可选附件：

- 车锥度附件
- 活顶尖 MT3
- 丝杆防护罩
- 快换刀架
- 套装组合车刀 16mm 7 件套
- 三轴数显装置
- 行程挡铁

Optional Accessories:

- Tapet turning attachment
- Live center MT3
- Leadscrew cover
- Quick change tool post
- Turning tool kit 16mm/7pcs
- 3-axis Digital readout
- 4-way tool holder

LATHE MACHINE

车床 TURNER 400x1000

优质、高效、高性价比

- 加工钢铁，有色金属和塑料的理想工具
- 电磁脚刹降低故障率
- 传动进给中的齿轮经淬火和打磨处理
- 该实用结实的机床特色为带丝杆和进刀杆
- 灰口铸铁床身，经淬火和高精度打磨处理
- 主轴配有高质量角面滚珠轴承
- 机床底座为厚重结实的铸铁制造
- 尾架锥度切削可以 ± 5 mm 调节
- 用于技校，维修车间和培训室的完美机床
- 可方便、顺利、精确地调节速度和进给设置
- 油盘可抽出，带来空间要求最小化
- 可移动式齿桥用于加工大口径工件
- 高性价比，设计时尚
- 标准配置滑动离合器

Convincing arguments: quality, efficiency and price

- Ideal for processing of steel, non-ferrous metals and plastics
- Electro-magnetic foot brake reduces downtime
- Hardened and polished toothed gears also in feed drive
- Practical, solid machine featuring a lead screw and feed rod
- Grey cast-iron machine bed, inductively hardened and precisely polished
- State-of-the-art spindle bedding with high-quality, angular ball bearings
- Machine base in heavy cast iron construction
- Tailstock can be adjusted ± 5 mm for taper turning
- Ideal for technical colleges, repair shops and training purposes
- Easy, smooth and precisely adjustable speed and feed settings
- Pull-out chip tray allows for minimum space requirements
- Removable bridge for processing of work pieces with a large diameter
- Optimal price-benefit ratio, modern design
- Serially equipped with slip clutch



细节展示 Details



技术参数 Specification

型号	Model	Turner 400x1000
产品编号	Code No.	4240300
两顶尖中心距	Distance between centers	1000 mm
主轴中心高	Center height	200 mm
床身上最大回转直径	Swing over bed	Ø400 mm
马鞍上最大回转直径	Swing over gap	Ø506 mm
拖板上最大工件回转直径	Swing over cross slide	Ø240 mm
床身宽度	Bed width	210 mm
主轴通孔直径	Spindle bore	Ø52 mm
主轴端部	Spindle nose fixture	DIN55029,D1-5
主轴转速	Speed range	(12)45-2000 rpm
公制螺纹范围	Metric thread	(36)0.8-14 mm
英制螺纹范围	Inch thread	(30)2-28 TPI
尾座套筒直径	Diameter of tailstock sleeve	Ø45 mm
尾座套筒行程	Travel of tailstock sleeve	100 mm
尾座套筒锥度	Taper of tailstock sleeve	MT4
电机功率	Motor power	2.4 kw/2.0 kw
包装尺寸	Packing size	1930x760x1540 mm
净重 / 毛重	N.W./G.W.	820/860 kg

标准附件

- 三爪卡盘 K11-200mm/D5
- 四爪卡盘 K72-200 mm / D5
- 中心架 Ø6-85
- 跟刀架 Ø6-85
- 冷却系统
- 花盘 Ø320
- 行程挡铁
- 纵向千分尺
- 刻度盘
- 卤素工作灯
- 变径套 MT5/MT4
- 更换齿轮
- 死顶尖 MT4 (2 只)
- 脚刹
- 工具

Standard accessories:

- 3-jaw chuck K11-200 mm / D5
- 4-jaw chuck K72-200 mm / D5
- Steady rest Ø6-85
- Follow rest Ø6-85
- Coolant device
- Face plate 320 mm
- 4-way tool holder
- Micrometer longitudinal fence
- Thread dial
- Halogen lamp
- Reduction bush MT5/MT4
- Change gears
- Dead centers MT4 (2pcs)
- Foot brake
- Tools



• 尾架
• Tailstock



• 三爪卡盘
• 3-jaw chuck
Φ200/D5



• 四爪卡盘
• 4-jaw chuck
Φ200/D5

LATHE MACHINE

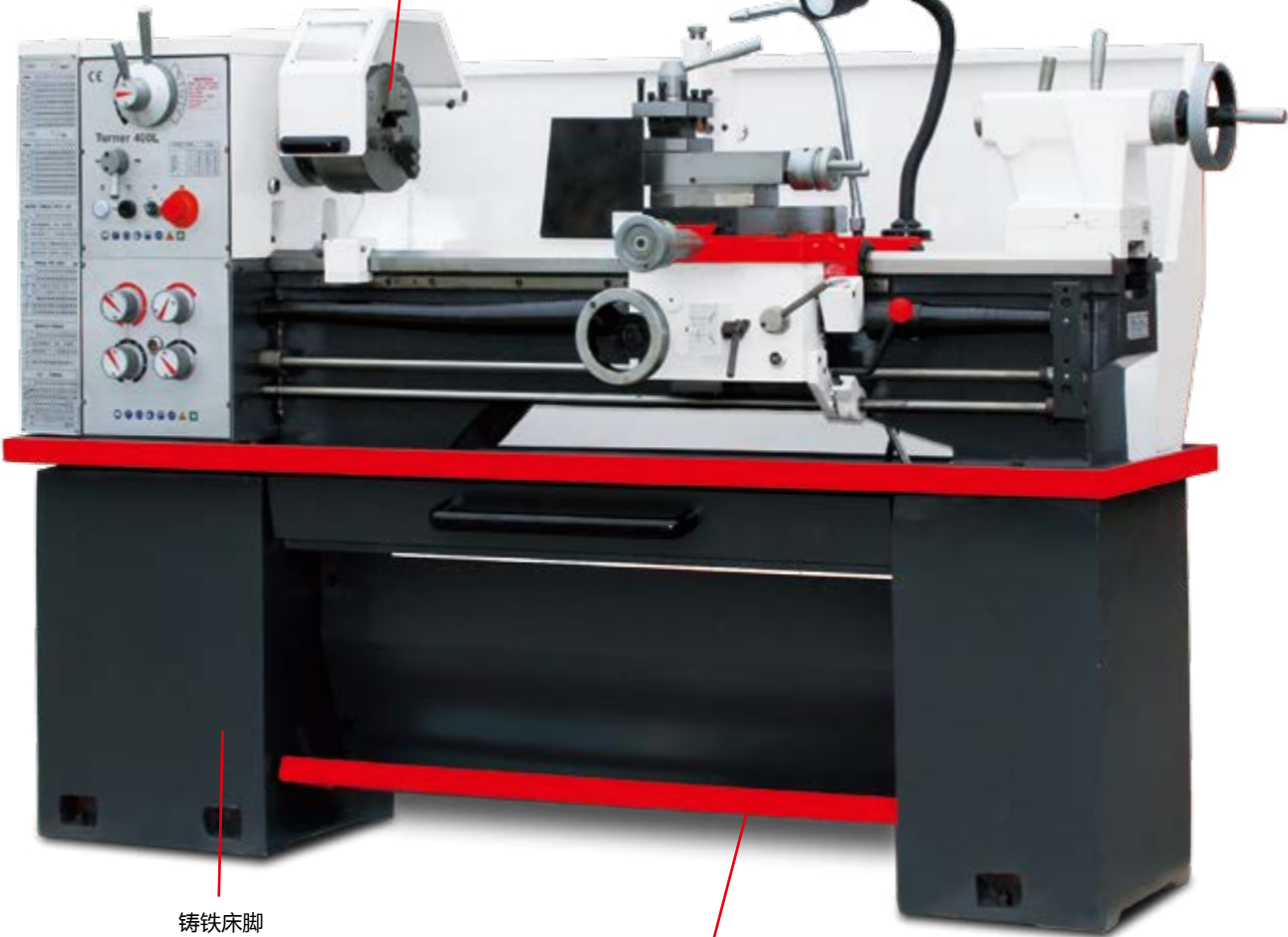
车床 TURNER 400L



主轴孔径 52mm D1-5
Spindle bore



卤数工作灯
Halogen lamp



铸铁床脚
Iron casting stand



脚刹
Foot brake

TURNER 400L

机床技术参数 /Specification

型号	Model	Turner 400L
货号	Item No.	4239303
加工范围	CAPACITY	
床身上最大回转直径	Swing over bed	Ø400 mm
床鞍上最大回转直径	Swing over cross slide	Ø250 mm
马鞍槽内回转直径	Swing in gap diameter	Ø520 mm
主轴中心高度	Height of center	200 mm
两顶尖距离	Distance between centers	1015 mm
床身宽度	Width of bed	218 mm
主轴	HEADSTOCK	
主轴通孔孔径	Spindle bore	Ø52 mm
主轴端部	Spindle nose	D 1-5
主轴内孔锥度	Spindle morse taper in nose,in sleeve	MT6/MT4
主轴转速范围	Spindle speeds range	65-1800 rpm
进给及螺纹	FEEDS AND THREADS	
加工刀具尺寸	Cutting tool max. section	20x20 mm
小拖板最大行程	Total travel of top slide	120 mm
横向滑板最大行程	Total travel of cross slide	230 mm
英制螺纹车制范围	Threads imperial pitches	4-60 TPI
公制螺纹车制范围	Threads metric pitches	0.4-7 mm
尾架	TAILSTOCK	
尾座套筒行程	Total travel of tailstock quill	110 mm
尾座套筒直径	Tails stock quill	Ø52 mm
尾座套筒锥度	Taper tailstock quill	MT4
电机	MOTOR	
主轴电机功率	Spindle drive motor	1.5 KW
冷却电机功率	Coolant pump motor	40 W
外形尺寸及重量	DIMENSION AND WEIGHT	
外形尺寸	Overall dimension	overall:1830x770x1300 mm split:1830x770x700 mm
机床包装尺寸	Packing size	overall:2010x870x1580 mm split:2010x870x980 mm
机床净重	Net weight	overall:650 kg ; split:570 kg
机床毛重	Gross weight	overall:760 kg ; split:670 kg

标准附件：

- 中心架 Φ6-85
- 跟刀架 Φ6-85
- 花盘 Φ250
- 脚刹

· 冷却系统

- 工作灯
- 三爪与接盘或直接式三爪
- 四爪与接盘或直接式四爪

可选附件：

- 钻夹头 MT4
- 活动顶尖
- 快换刀架
- 二轴数显
- 三轴数显

· 定程机构

- 卡盘护罩
- 丝杠护罩
- 光杠安全接合子
- 车锥度附件
- 主电机无级调速

Standard Accessories：

- Steady rest Φ6-85
- Follow rest Φ6-85
- Face plate Φ250
- Foot brake
- Coolant system

· Machine lamp

- 3-jaw independent chuck & back plate
- 4-jaw independent chuck & back plate

Optional Accessories：

- Drill chuck MT4
- Live centers
- Quick change tool post
- Digital readout (2 axis)
- Digital readout (3 axis)
- Localizer

· Chuck cover

- Leadscrew cover
- Clutch for feed rod
- Taper turning attachment
- Main motor stepless speed regulation

LATHE MACHINE

车床 TURNER 420x1000/1500

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat ASA D1 - 6"
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Main spindle running in an oil bath hardened and ground mounted on 2 adjustable precision taper roller bearings
- All metric thread pitch in the range from 0.2 to 14 mm/r and all inch threads in the range from 72 - 2 threads per inch without replacing the change gears by means of gear levers adjustable on the control panel
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-/left-handed rotation at the bed slide, switchable via indexing spindle
- Central lubrication at the bed slide
- Cover for leading spindle
- Mechanical feet spindle brake
- Adjustable scale of the threading gauge
- Coolant tank with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Serial halogen machine lamp with articulated arm

DPA machines:

- including digital position display DPA 2000 and glass scales

Special equipment Vario machine:

- Including VARIO conversion kit 400V
- Replacement of the Digital position display DPA 2000 against a DPA 2000S

优质、高效、高性价比：

- 床身导轨经淬火和打磨
- Camlock 主轴安装座 ASAD1-6"
- 保证主轴端更高精度（低于 0.015mm）
- 主轴在油槽中运转（经淬火和打磨），带 2 个可调的高精度锥度滚珠轴承
- 所有公制螺距范围是 0.2-14mm，英制螺纹范围是每英寸 72-2，但是不需要换挂轮，只要调节控制面板上的变速杆就可以
- 急停开关按钮，防护型电机开关，可锁式主开关
- 拖板上左右旋转，通过分度轴可切换
- 拖板上中央润滑
- 丝杆防护
- 机械脚踏制动
- 攻丝表刻度盘可调
- 冷却水箱带深度显示和分油器；根据 DIN 排水和清洁更容易彻底
- 系列石英工作灯（带关节杆）

DPA 机器

- 包括数显 DPA2000 和光栅尺

特殊设备无极变速机器

- 带无极变速转换套件 400V
- 普通数显 DPA2000 换成 DPA2000S

主轴

- 经淬火和打磨
- 油槽运转
- 带 2 个可调高精度锥度滚珠轴承
- 主轴齿轮经淬火和打磨，运转平顺
- 初次加油使用高级润滑油
- 快动进给齿轮
- 密封型
- 齿轮和轴经淬火和打磨
- 油槽中运行，带高精度轴承

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 adjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground
- First filling with high grade Mobil oil

Fast acting feed gear

- Closed type
- Toothed wheels and shafts hardened and ground
- Running in an oil bath on precision bearings

六角刀架

- 带工作台鞍座限位精细调节
- Turret head
- With fine adjustment as limit stop for table saddle

拖板

- 精度加工
- 手轮高精度刻度盘可调 0.04/0.02mm
- 四方刀架
- 所有导轨通过 V-ledges 可调
- 小拖板上带切削防护
- 小拖板可调范围为正负 90 度
- Slide
- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple toolholder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Adjustment range top slide $\pm 90^\circ$

尾架

- 锥度车削可调正负 13mm
- 尾架套筒和手轮带可调精度刻度尺

Tailstock

- Adjustable by ± 13 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling

- 丝杆防护罩（可选）
- Leadscrew cover (For optional)

底架和床身

- 米哈奈特铸件床身
- 一体铸件床身
- Base frame and lathe bed
- Meehanite casting
- One-piece casting

车床卡盘

- 高精度
- 更高转速
- 更高同心度和重复性
- Lathe chuck
- Precise
- Higher speed is enabled
- High concentricity and repeatability

马鞍

- 通过拿掉马鞍车削直径增加到 $\phi 590$ mm
- Bed bridge
- The turning diameter is increased to $\phi 590$ mm by taking out the bed bridge

TURNER 420

机床技术参数 /Specification

型号	Model	Turner 420 x 1000	Turner 420 x 1500
产品编号	Code No	4242300	4242400
DPA-型号	DPA - model	Turner 420 x 1000 DPA	Turner 420 x 1500 DPA
产品编号	Code No	4242380	4242480
电气连接	Electrical connection		
总功率	Total connected value	2.2/3.3 kW	
冷却泵电机功率	Coolant equipment	100 W	
工作范围	Working areas		
主轴中心高	Centre height	210 mm	
两顶尖中心距	Centre width	1000 mm	1500 mm
床身上最大回转直径	Swing over bed	Ø420 mm	
拖板上最大回转直径	Swing over cross slide	Ø250 mm	
马鞍上最大回转直径	Turning Ø in the bed bridge	Ø590 mm	
马鞍长度	Length of bed bridge	260 mm	
床身宽	Bed width	250 mm	
速度	Speeds		
主轴转速	Spindle speed	45 - 1800 rpm	
无级变速主轴转速	Spindle speed Vario-machine	30 - 1800 rpm	
转速级数	Number of steps	16 stages; for Vario-models electr. adjustable speed	
主轴	Headstock		
主轴锥度	Spindle taper	MT6	
主轴端部	Spindle seat	Camlock ASA D1 - 6"	
主轴通孔直径	Spindle drilling, rod passage	Ø 52 mm	
进给及螺纹	Slide		
小拖板行程	Travel top slide	140 mm	
中拖板行程	Travel cross slide	230 mm	
公制螺纹范围	Pitch - Metric in the range of	0.2 - 14 mm/rev;	39 thread pitches
英制螺纹范围	Pitch - Inch in the range of	72 - 2 threads/1";	45 thread pitches
车刀刀杆最大截面	Max. section of tool	20 x 20 mm	
尾座	Tailstock		
尾座内孔锥度	Tailstock seat	MT4	
尾座套筒行程	Tailstock - sleeve travel	120 mm	
尾座套筒直径	Quill diameter	50mm	
尺寸	Dimensions		
长	Length	2060 mm	2550 mm
宽x高	Width x Height	900 x 1650 (DPA 1615) mm	
净重	Net weight	1160/1350 kg	1340/1565 kg

标准附件 Standard equipment

- Three-jaw lathe chuck Ø 200 mm
- Four-jaw chuck Ø 250 mm with universally adjustable jaws
- Face clamping disc Ø 350 mm
- Reducing bush MT6/ MT4
- 2 steady centres MT4
- Steady rest Passage Ø max. 145 mm
- Follow rest Passage Ø max. 75 mm
- Machine substructure
- Spindle brake
- Splash board mounted
- Lathe chuck protection
- Chip protection at the top slide
- Turret stop with fine adjustment
- Threading gauge
- Quadruple tool holder
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool
- First filling with high grade Mobil oil
- 三爪卡盘 Ø200mm
- 四爪卡盘 Ø250mm 带通用可调软爪
- 多面夹紧盘 Ø250mm
- 变径套 MT6/MT4
- 2个稳定中心 MT4
- 中心夹紧最大 Ø145mm
- 跟刀架最大 Ø75mm
- 机器带底座
- 主轴刹车制动
- 装有挡屑板
- 车床卡盘防护罩
- 小拖板处有切削防护罩
- 定位限位带精细调节
- 车螺纹测量器
- 四方刀架
- 冷却设备
- 工作灯
- 挂轮
- 操作工具
- 初次加油使用高级润滑油

可选附件 Optional accessories

- GD-125 车床内外径研磨机
- GD-125 Lathe diameter grinding machine



LATHE MACHINE

车 床TURNER 410x1000/1500
TURNER 460x1000/1500
TURNER 510x1500/2000/3000
TURNER 560x1500/2000/3000

优质、高效、高性价比

- 超音频淬火床身
- 强功率电机
- 欧洲标准安全磁性开关

Convincing arguments: quality, efficiency and price

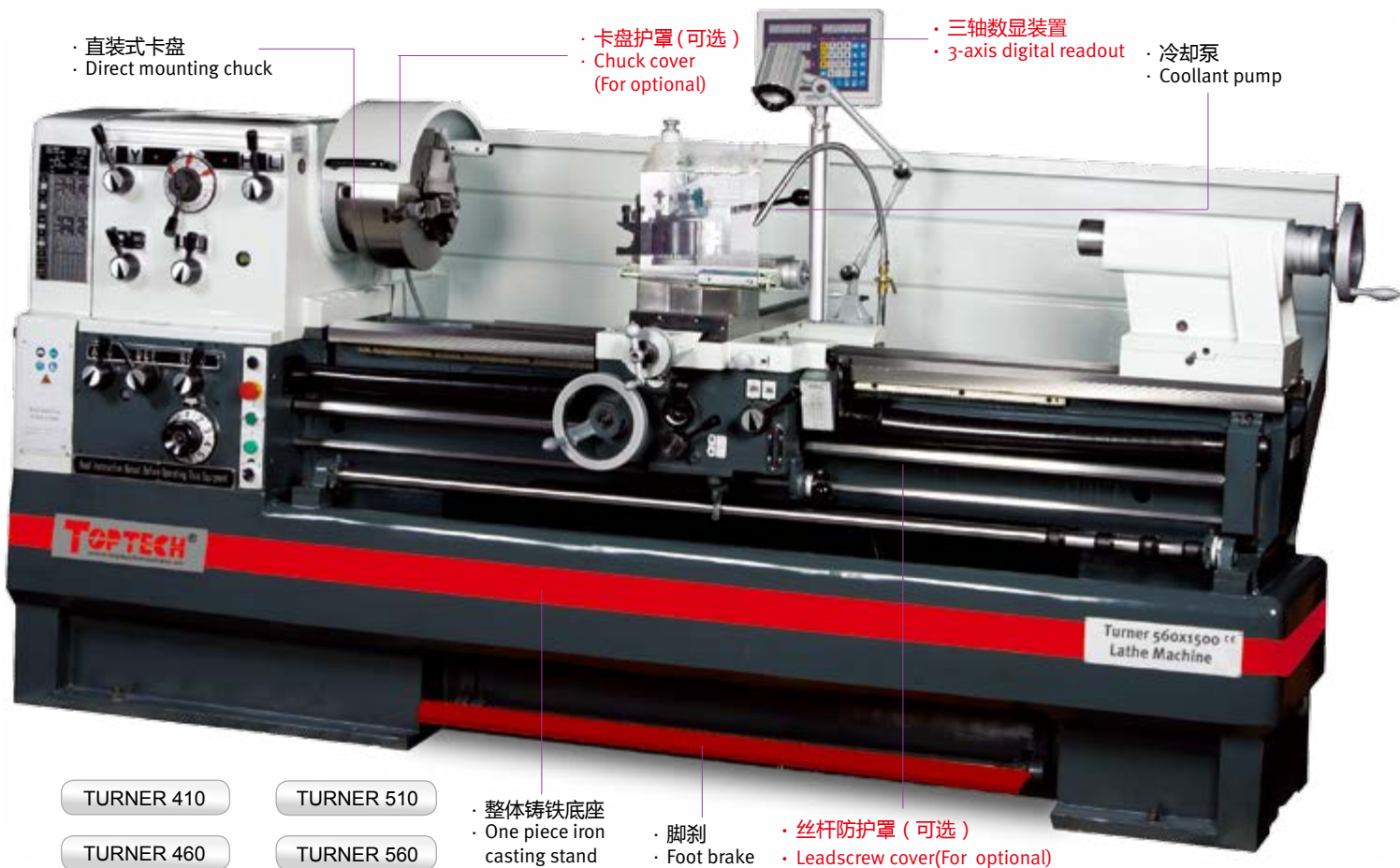
- Induction harden bedway
- Enough strong power motor
- Euro-safety magnetic switch or lock key switch

强劲动力工业车床
Power for industry

- 直装式卡盘
- Direct mounting chuck

- 卡盘护罩 (可选)
- Chuck cover (For optional)

- 三轴数显装置
- 3-axis digital readout
- 冷却泵
- Coolant pump



TURNER 410

TURNER 510

TURNER 460

TURNER 560

- 整体铸铁底座
- One piece iron casting stand

- 脚刹
- Foot brake

- 丝杆防护罩 (可选)
- Leadscrew cover (For optional)

细节展示 Details



- 多功能溜板箱, 操作简单灵活
- Good function & Easy operate apron



- 大范围强力进给箱
- Big range & power feed box

可选附件 Optional accessories

- GD-125 车床内外径研磨机
- GD-125 Lathe diameter grinding machine



机床技术参数 /Specification

型号	Model	Turner 410/Turner 460	Turner 510/Turner 560
产品编号	Code No.	4241300/4246400	4251400/4256400
加工范围	CAPACITY		
床身上最大回转直径	Swing over bed	Ø410 mm/Ø460 mm	Ø510 mm/Ø560 mm
拖板上最大回转直径	Swing over cross slide	Ø220 mm/Ø270 mm	Ø305 mm/Ø355 mm
马鞍板上最大回转直径	Turning Ø without bed bridge	Ø640 mm/Ø690 mm	Ø735 mm/Ø785 mm
花盘前马鞍有效长度	Length of gap	165 mm	170 mm
两顶尖中心距	Admits between	1000 mm/1500 mm	1500 mm/1500 mm
主轴中心高	Center height	205 mm/230 mm	255 mm/280 mm
床身宽度	Width of bed	300 mm	350 mm
主轴	HEADSTOCK		
主轴端部	Spindle nose	D1-6	D1-8
主轴通孔直径	Spindle bore	Ø58 mm/Ø80 mm(For optional)	Ø80 mm/Ø105 mm(For optional)
主轴内孔锥度	Spindle taper	MT6	MT7
主轴转速范围	Range of spindle speed	25-2000 rpm	25-1600 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板行程	Top slide travel	128 mm	130 mm
中拖板行程	Cross slide travel	285 mm	316 mm
车刀刀杆最大截面	Max.Section of tool	25x25 mm	25x25 mm
公制螺纹范围	Threads metric pitches	0.1-14 mm	0.2-14 mm
英制螺纹范围	Threads imperial pitches	2-112 TPI	2-112 TPI
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø60 mm(2-5/16")	Ø75 mm
尾座套筒行程	Quill travel	120 mm(4-3/4")	180 mm
尾座套筒内孔锥度	Quill taper	MT4	MT5
电机	MOTOR		
主电机功率	Main motor power	4 / 5.5 KW	7.5 KW
冷却泵功率	Coolant pump power	0.125 KW	0.1 KW
外形及重量	DIMENSION AND WEIGHT		
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	2850x1120x1700 mm	2960x1130x1820 mm
净重/毛重	N.W./G.W.	1670/1980 kg 2020/2385 kg	2335/2700 kg 2370/2740 kg

标准附件：

- 三爪卡盘 Φ250/D6 (TURNER 410/460)
Φ315/D8 (TURNER 510/560)
- 挂轮
- 油盘
- 变径套 MT6/MT4
- 死顶尖 莫氏 DG4(TURNER410/460)
莫氏 DT7/5 DX5(TURNER 510/560)
- 挡屑板
- 冷却系统

Standard Accessories:

- 3-jaw chuck Φ250/D6 (TURNER 410/460)
Φ315/D8 (TURNER 510/560)
- Change gear kit
- Chip tray
- Reduction bush MT6/MT4
- Dead center
- Morse DG4(TURNER410/460)
- Morse DT7/5 DX5(TURNER 510/560)
- Splash guard
- Coolant system

· 乱扣盘

- 中心架 Φ25-178(TURNER 410/460)
Φ19-165(TURNER 510/560)
- 跟刀架 Φ19-114(TURNER 410/460)
Φ16-95(TURNER 510/560)
- 工作灯
- 四爪卡盘 Φ300/D6(TURNER 410/460)
Φ350/D8(TURNER 510/560)
- 花盘 Φ350(TURNER 410/460)
Φ450(TURNER 510/560)

· Chasing dial indicator

- Steady rest Φ25-178(TURNER 410/460)
Φ19-165(TURNER 510/560)
- Follow rest Φ19-114(TURNER 410/460)
Φ16-95(TURNER 510/560)
- Work light
- 4-jaw chuck Φ300/D6(TURNER 410/460)
Φ350/D8(TURNER 510/560)
- Face plate Φ350(TURNER 410/460)
Φ450(TURNER 510/560)

可选附件：

- 车锥度附件
- 活顶尖
- 丝杆防护罩
- 快换刀架 SWH5-B
- 套装组合车刀
- 三轴数显
- 卡盘护罩
- 中心架 Φ140-270(TURNER 510/560)

Optional Accessories:

- Tapet turning attachment
- Live center
- Leadscrew cover
- Quick change tool post SWH5-B
- Turning tool kit
- 3-Axis digital readout
- Chuck cover
- Steady rest Φ140-270 (TURNER 510/560)

LATHE MACHINE (NEW LINE)

车 床 TURNER 530x1500/2000
TURNER 600x1500/2000
TURNER 680x1500/2000

优质、高效、高性价比：

- 整体型铸铁床脚
- 床身 400mm 宽，高硬度，稳定精度
- 主电机 11KW (15HP) - 可选

Convincing arguments: quality, efficiency and price

- Whole piece casting iron foot stand
- 400mm width of bedway, high rigidity, stable precision
- 11KW(15HP)main motor for optional

标准附件

- 三爪卡盘
- 冷却系统
- 套筒和中心
- 脚踏制动系统
- 工具箱和工具 1 套
- 中心架
- 跟刀架
- 花盘
- 工作灯
- 四爪独立卡盘 / 法兰盘

Standard Accessories:

- Three jaw chuck
- Coolant system
- Sleeve and center
- Footbrake system
- Toolbox&tools 1 set
- Steady Rest
- Follow Rest
- Face Plate
- Work light
- 4-jaw Independent Chuck&Back Plate

可选附件

- 钻夹头
- 活顶尖
- 快换刀架
- 数显 (2 轴)
- 数显 (3 轴)
- 卡盘防护罩
- 丝杆防护
- 车锥度附件

Optional Accessories:

- Drill Chuck
- Rolling Centres
- Quick Change Tool Post
- Digital readout(2Axis)
- Digital readout(3Axis)
- Chuck cover
- Leadscrew guard
- Taper Turning Attachment

主轴

- 经济火和打磨
- 油槽运转
- 带 3 个可调高精度锥度滚珠轴承
- 主轴齿轮经济火和打磨，运转平顺
- 初次加油使用高级润滑油
- 快速进给齿轮
- 密封型
- 齿轮和轴经济火和打磨
- 油槽中运行，带高精度轴承

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 3 adjustable precision taper roller bearings
- Main spindle gear-wheels smooth running, hardened and ground
- First filling with high grade Mobil oil

Fast acting feed gear

- Closed type
- Toothed wheels and shafts hardened and ground
- Running in an oil bath on precision bearings

卡盘护罩 (可选)
Chuck cover (for optional)

拖板

- 精度加工
- 手轮高精度刻度盘可调 0.04/0.02mm
- 快换刀架
- 所有导轨通过v-ledges可调
- 小拖板上带切削防护
- 小拖板可调范围为正负90度
- Slide
- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quick-action tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Shafts and wheels running in the oil bath
- Adjustment range top slide $\pm 90^\circ$

数显 (可选)

- 易操作
- 大幅减少生产时间

Digital position display (For optional)

- Easy-to-operate
- Considerable reduction of the manufacturing times

尾架

- 锥度车削可调正负 15mm
- 尾架套筒和手轮带可调精度刻度尺

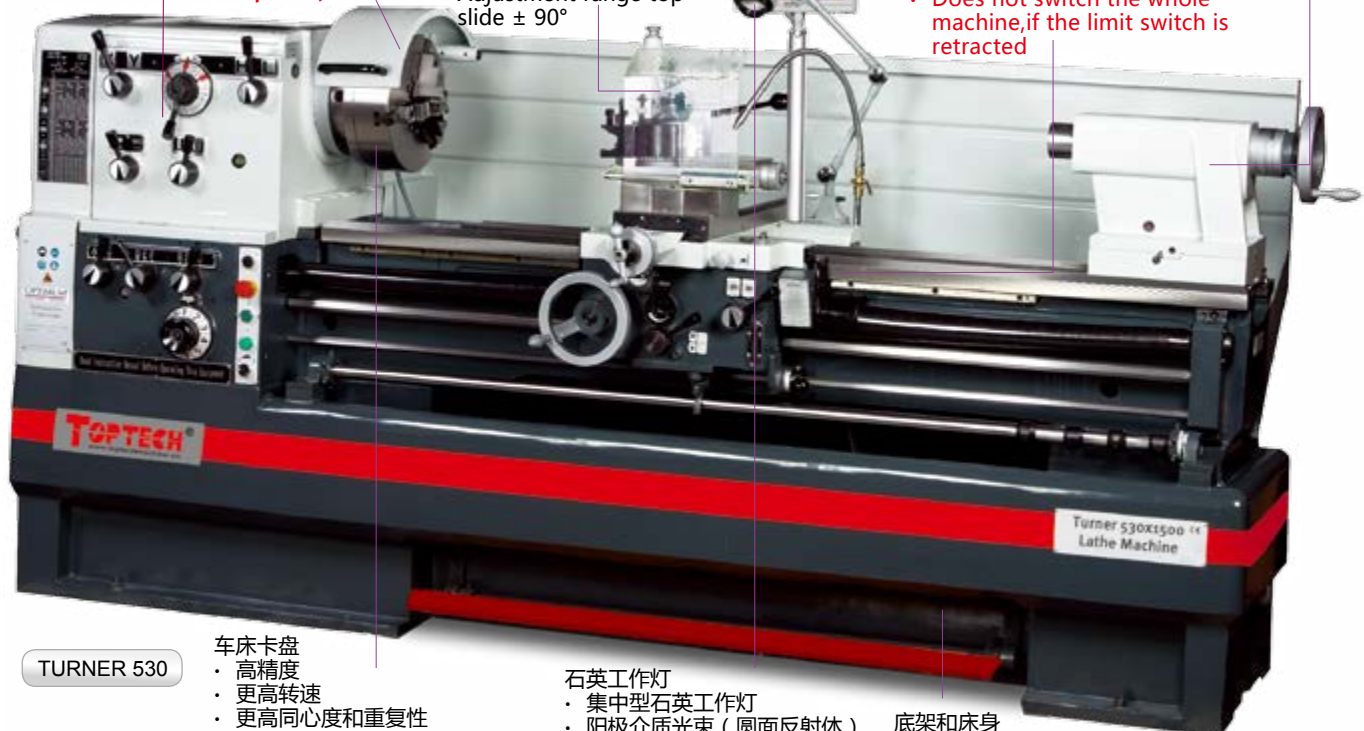
Tailstock

- Adjustable by ± 15 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling



快移 (可选)

- 通过按钮和操纵杆启动横、纵向快移
- 更高的工作效率
- 触及限位开关无法启动整个机床
- Rapid feed (For optional)
- Push button and selector lever to activate the rapid feed for transverse and longitudinal direction
- For more efficient workin
- Does not switch the whole machine,if the limit switch is retracted



TURNER 530

车床卡盘

- 高精度
- 更高转速
- 更高同心度和重复性
- Lathe chuck
- Precise
- Higher speed is enabled
- High concentricity and repeatable clamping accuracy

石英工作灯

- 集中型石英工作灯
- 阳极介质光束 (圆面反射体)
- Halogen machine lamp
- Concentrated halogen light
- Anodized medium beams as round reflectors

底架和床身

- 米哈奈特铸件床身
- 一体铸件床身
- Base frame and lathe bed
- Meehanite casting
- One-piece casting

机床技术参数 /Specification

型号	Model	Turner 530x1500/2000	Turner 600x1500/2000	Turner 680x1500/2000
产品编号	Code No.	4253400/4253500	4260400/4260500	4268400/4268500
加工范围	Capacity			
床身上最大回转直径	Swing over bed	Ø530 mm	Ø600 mm	Ø680 mm
拖板上最大回转直径	Swing over cross slide	Ø329 mm	Ø399 mm	Ø479 mm
马鞍上最大回转直径	Swing in GAP(D×W)	Ø765×218 mm(D1-8) /Ø765×240 mm(A1-8)	Ø838mm×218 mm(D1-8) /Ø835×240 mm(A1-8)	Ø918mm×218 mm(D1-8) /Ø915×240 mm(A1-8)
主轴中心高	Height of center	265 mm	300 mm	380 mm
两顶尖中心距	Distance between centers	1500/2000 mm	1500/2000 mm	1500/2000 mm
床身宽度	Width of bed	400 mm	400 mm	400 mm
主轴	Headstock			
主轴通孔直径	Spindle bore	Ø82	Ø82	Ø82
主轴端部	Spindle nose	D1-8 or A1-8	D1-8 or A1-8	D1-8 or A1-8
主轴内外锥度	Spindle morse taper in nose,in sieve	ME90/MT5	ME90/MT5	ME90/MT5
主轴转速级数	Spindle speeds number	12	12	12
主轴转速范围	Spindle speeds range	20-1600 rpm	20-1600 rpm	20-1600 rpm
进给及螺纹	Feeds and threads			
车刀杆最大尺寸	Cutting tool max.section	25x25 mm	30x30 mm	25x25 mm
中拖板总行程	Total travel of cross slide	320 mm	358 mm	438 mm
小拖板总行程	Total travel of top slide	200 mm	200 mm	200 mm
英制螺纹范围	Threads imperial pitches	4-112 TPI	4-112 TPI	4-112 TPI
公制螺纹范围	Threads metric pitches	0.25-7 mm	0.25-7 mm	0.25-7 mm
尾架	Tailstock			
尾座套筒行程	Total travel of tailstock quill	180 mm	180 mm	180 mm
尾座套筒直径	Tails stock quill	Ø80 mm	Ø75 mm	Ø80 mm
尾座套筒内孔锥度	Taper tailstock quill	MT5	MT5	MT5
电机	Motor			
主轴电机	Spindle drive motor	7.5 KW	7.5 KW	7.5 KW
冷却泵电机功率	Coolant pump motor	0.09 KW	0.09 KW	0.09 KW
外形尺寸及重量	Dimension and weight			
净重	Net weight	2750/3010 kg	2820/3080 kg	2900/3160 kg
毛重	Cross weight	3090/3400 kg	3180/3490 kg	3260/3570 kg
包装尺寸	Packing size	3335x1110x1900 mm	3335x1110x1900 mm	3270/3770x1150x1900 mm

细节展示 Details



- 多功能溜板箱，操作简单灵活
- Good function & Easy operate apron



- 大范围强力进给箱
- Big range & power feed box

可选附件 Optional accessories

- GD-125 车床内外径研磨机
- GD-125 Lathe diameter grinding machine



LATHE MACHINE

车 床

TURNER 660x2000

660x3000

TURNER 800x2000

800x3000



- 卡盘护罩 (可选)
- Chuck cover (For optional)

细节展示 Details



- 尾架
- Tailstock



- 主轴箱 & 进给箱
- Spindle box & feed box



- 中心架
- Steady rest



- 多功能溜板箱
- Good function box

- 标准附件：
- 三爪卡盘 $\Phi 315/D8$
- 挂轮
- 油盘
- 变径套
- 死顶尖
- 挡屑板
- 冷却系统
- 乱扣盘
- 中心架 $\Phi 20-170$
- 跟刀架 $\Phi 20-130$
- 工作灯
- 四爪卡盘 $\Phi 400/D8$
- 花盘 $\Phi 450$

- Standard Accessories:
- 3-jaw chuck $\Phi 315/D8$
- Change gear kit
- Chip tray
- Reduction bush
- Dead center
- Splash guard
- Coolant system
- Chasing dial indicator
- Steady rest $\Phi 20-170$
- Follow rest $\Phi 20-130$
- Work light
- 4-jaw chuck $\Phi 400/D8$
- Face plate $\Phi 450$

可选附件：

- 车锥度附件
- 活顶尖
- 丝杆防护罩
- 快换刀架
- 套装组合车刀
- 三轴数显
- 卡盘护罩
- 中心架 $\Phi 190-380$
- GD-125 车床内外径研磨机

Optional Accessories:

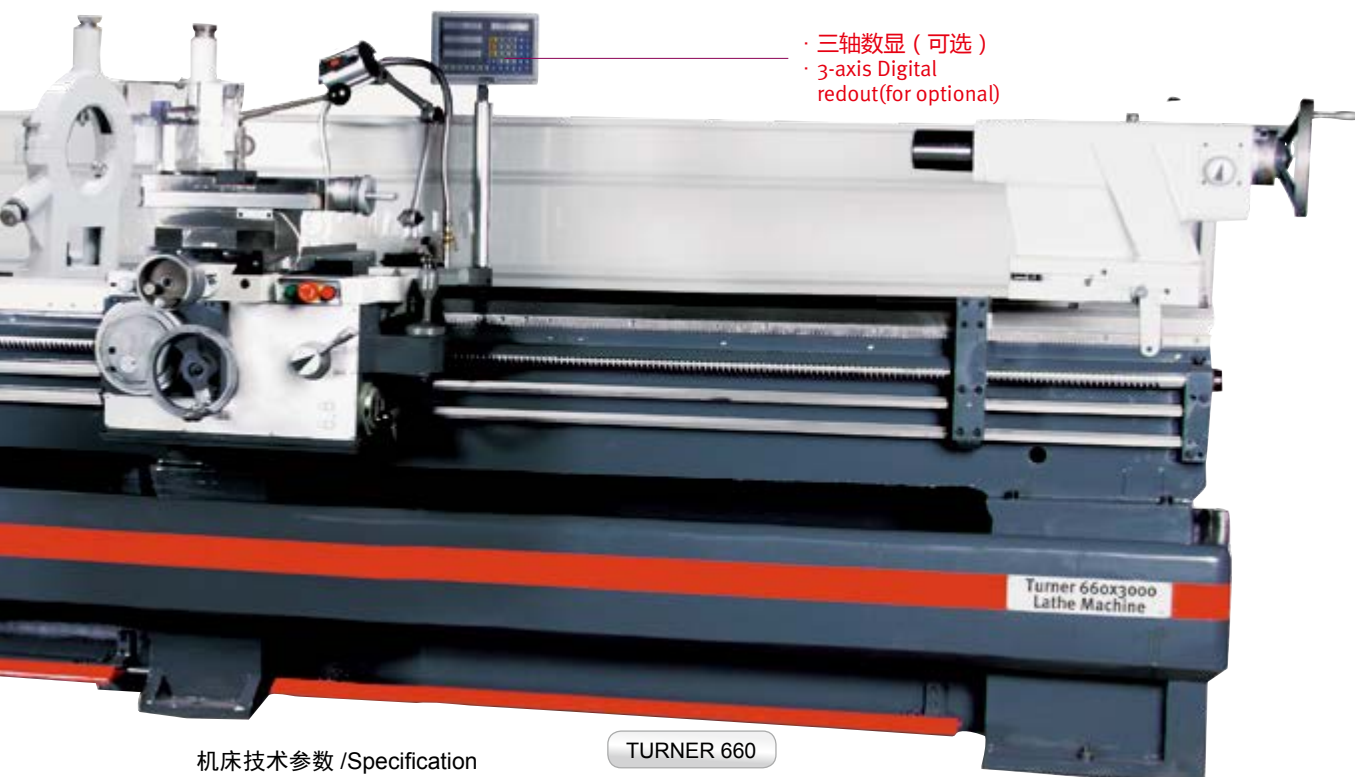
- Tap turning attachment
- Live center
- Leadscrew cover
- Quick change tool post
- Turning tool kit
- 3-Axis digital readout
- Chuck cover
- Steady rest $\Phi 190-380$
- GD-125 Lathe diameter grinding machine



三轴数显装置
3-axis digital readout



GD-125 车床内外径研磨机
GD-125 Lathe diameter grinding machine



机床技术参数 /Specification

TURNER 660

型号	Model	Turner 660x2000 Turner 660x3000	Turner 800x2000 Turner 800x3000
产品编号	Code No.	4266500/4266700	4280500/4280700
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø660 mm	Ø800 mm
拖板上最大回转直径	Swing over cross slide	Ø440 mm	Ø570 mm
马鞍槽内最大回转直径	Swing in gap diameter	Ø900 mm	Ø1035 mm
花盘前马鞍有效长度	Length of gap	250 mm	250 mm
两顶尖中心距	Admits between	2000 mm/3000 mm	2000 mm/3000 mm
主轴中心高	Center height	330 mm	400 mm
床身宽度	Width of bed	400 mm	400 mm
主轴	HEADSTOCK		
主轴端部	Spindle nose	D1-8	D1-8
主轴通孔直径	Spindle bore	Ø105 mm	Ø105 mm
主轴内孔锥度	Taper of spindle bore	1:20/MT5	1:20/MT5
主轴转速范围	Range of spindle speed	25-1600 rpm	25-1600 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板最大行程	Top slide travel	230 mm	230 mm
中拖板最大行程	Cross slide travel	368 mm	420 mm
大丝杆规格	Lead screw thread	Ø40mm x 2 TPI or Ø40mm x 12mm	Ø40mm x 2 TPI or Ø40mm x 12mm
车刀刀杆最大截面	Max.Section of tool	25x25 mm	25x25 mm
公制螺纹范围	Threads metric pitches	0.45-120 mm(54kinds)	0.45-120 mm(54kinds)
英制螺纹范围	Threads imperial pitches	7/16-80 T.P.I.(54kinds)	7/16-80 T.P.I.(54kinds)
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø90 mm	Ø90 mm
尾座套筒行程	Quill travel	235 mm	235 mm
尾座套筒内孔锥度	Quill taper	MT5	MT5
横向调整	Cross adjustment	±13 mm	±13 mm
电机	MOTOR		
主电机功率	Main motor power	7.5 KW	7.5 KW
冷却泵功率	Coolant pump power	0.1 KW	0.1 KW
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸 (长×宽×高)	Overall dimension(L×W×H)	3710x1230x1600 mm/ 4710x1230x1600 mm	3710x1230x1670 mm/ 4710x1230x1670 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	3740x1140x1840 mm/ 4740x1140x1840 mm	3740x1140x1910 mm/ 4740x1140x1910 mm
净重/毛重	NW/GW	3345/3835 kg 3710/4310 kg	3455/4005 kg 3820/4495 kg

LATHE MACHINE

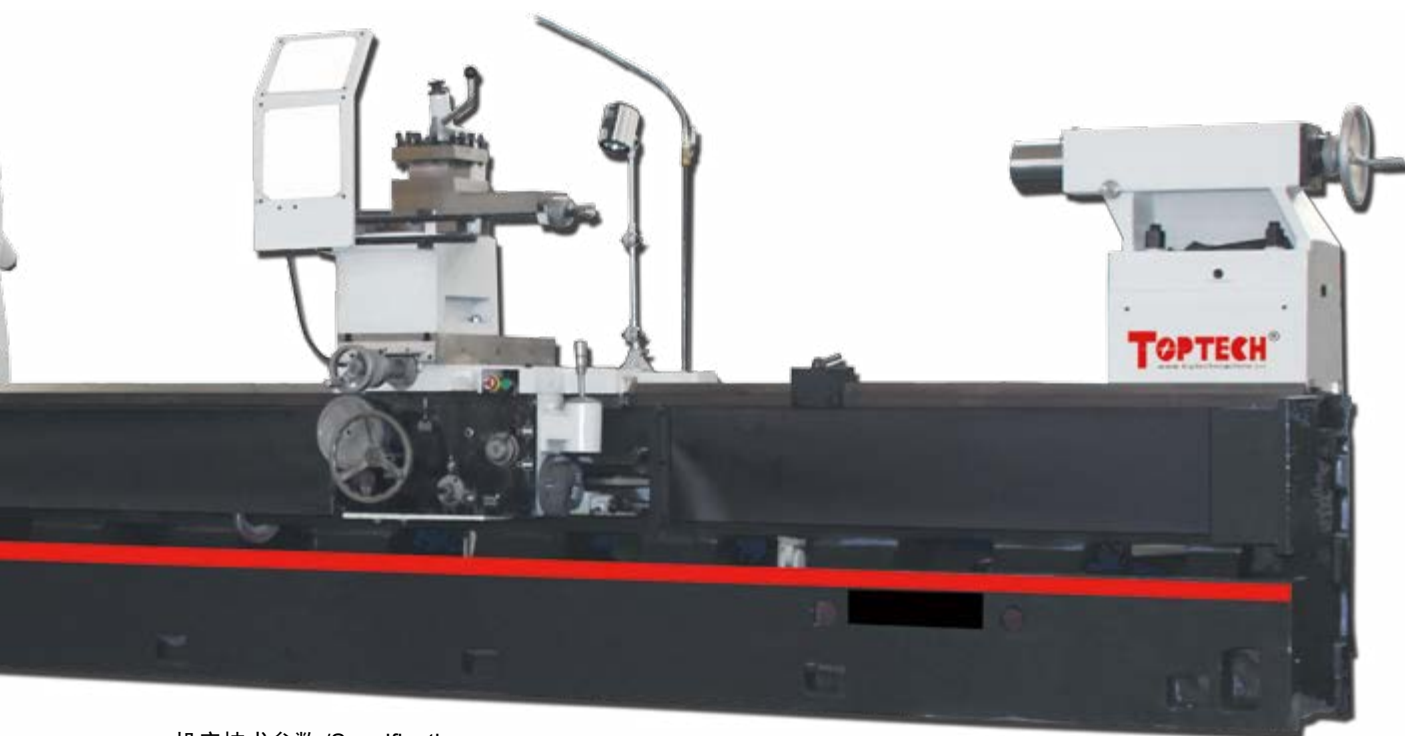
车 床
TURNER 800H
TURNER 1000H
TURNER 1200H

床身宽度 Bed width 550mm



Turner 1200H

Standard accessories:	标准配置：	备注 Remark
Driving plate ø350	拨盘 ø350	
Three-jaw chuck ø325	三爪卡盘 ø325	
Three-jaw chuck sect	三爪卡盘座	
Four-jaw chuck ø400	四爪卡盘 ø400	
Four-jaw chuck sect	四爪卡盘座	
Spindle Center	主轴顶尖	
Tailstock center	尾座顶尖	
Center sleeve	顶尖套	
Tool post spanner	刀架扳手	
Steady rest	中心架	小于2M车床不配中心架，8M以上车床配2只中心架，其余配1只。 Below 2M without steady rest, above 8M with two steady rests, others with one.
Follower rest	跟刀架	小于3M车床不配跟刀架，其余配1只跟刀架。 Below 3M without follow rest, others with one.
Iron gasket	调整垫铁	
Thread dial	乱扣盘	
Round nut spanner	圆螺母扳手	
Special accessories:	特殊配置：	
Taper turning attachment	锥度靠模	
Face chuck ø800mm/ø1000mm	花盘 ø800mm/ø1000mm	
Three-jaw chuck ø400mm	三爪卡盘 ø400mm	
Four-jaw chuck ø630mm	四爪卡盘 ø630mm	



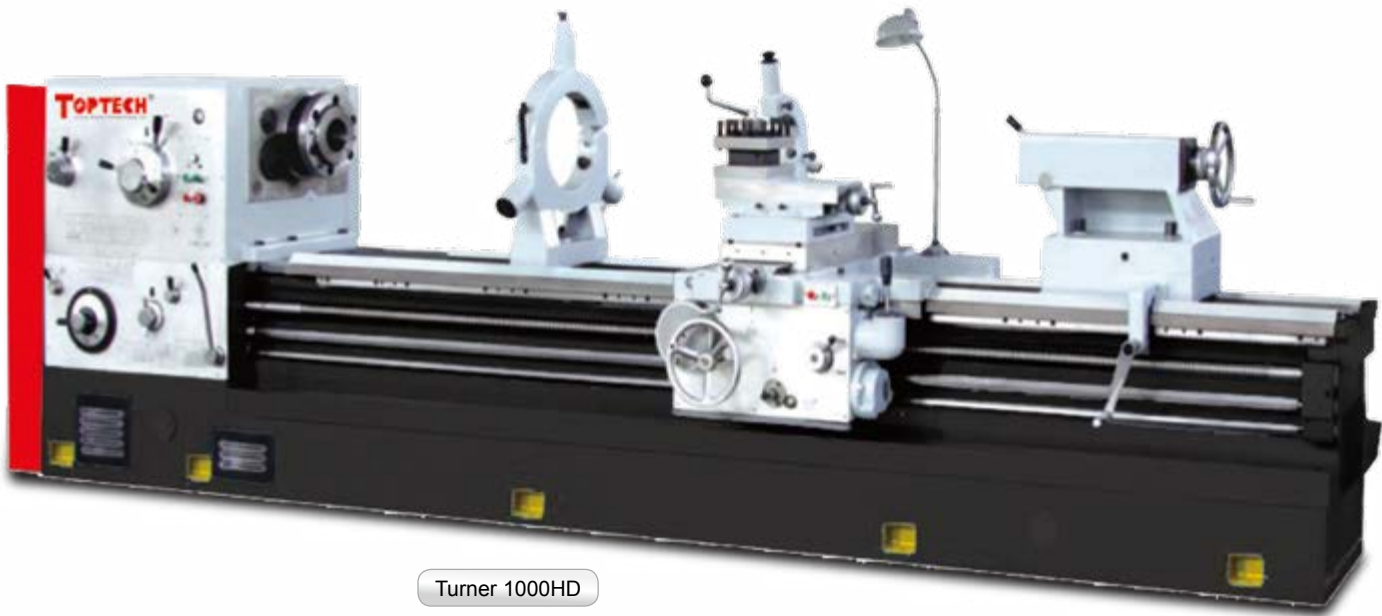
机床技术参数 /Specification

型号	MODEL	Turner 800H	Turner 1000H	Turner 1200H
货号	Item No.	4602000	4613000	4603000
加工能力	CAPACITIES			
床身上最大回转直径	Max.swing over bed	Ø800 mm	Ø1000 mm	Ø1200 mm
横拖板上最大回转直径	Max.swing over cross slide	Ø485 mm	Ø685 mm	Ø800 mm
两顶尖距	Center distance	1000 /1500 /2000 /3000 /4000 /5000 /6000 /8000 /10000 mm		
马鞍上最大回转直径	Max.swing over gap	Ø1000mm	Ø1200mm	Ø1400 mm
花盘前马鞍有效长度	Valid length of gap	300 m	300 m	300 m
床身宽度	Bed width	550 mm	550 mm	550 mm
床头箱	HEAD-STOCK			
主轴孔径	Spindle hole	Ø105 mm/Ø130 mm(可选)		
主轴端部尺寸	Spindle nose	C-11 or D-11/ C-15 or D-15 (可选)	C-11 or D-11/ C-15 or D-15 (可选)	C-11 or D-11/ C-15 or D-15 (可选)
主轴锥孔	Spindle taper	1:20	1:20	1:20
主轴转速范围 (级数)	Spindle speeds(Number)	14-750 rpm(18 STEPS)	14-750 rpm(18 STEPS)	14-750 rpm(18 STEPS)
进给箱	GEAR BOX-THREADS & FEEDS			
公制螺纹范围 (种数)	Metric threads range(kinds)	1-240 mm(54 kinds)	1-240 mm(54 kinds)	1-240 mm(54 kinds)
英制螺纹范围 (种数)	Inch threads rangs(Kinds)	28-1 TPI(36 kinds)	28-1 TPI(36 kinds)	28-1 TPI(36 kinds)
拖板	CARRIAGE			
中拖板行程	Cross slide travel	420 mm	520 mm	520 mm
小拖板行程	Top slide travel	200 mm	200 mm	200 mm
车刀杆尺寸	Size of tool shank	32×32 mm	32×32 mm	32×32 mm
尾座	TAILSTOCK			
尾座套筒直径	Spindle diameter	Ø100 mm	Ø120 mm	Ø120 mm
尾座套筒锥度	Spindle taper	MT6	MT6	MT6
尾座套筒行程	Spindle travel	240 mm	240 mm	240 mm
电机功率	MOTOR			
主轴功率	Spindle power	11 KW	11 KW	11 KW
冷却泵电机	Coolant pump motor	0.09 KW	0.09 KW	0.09 KW
快速进给电机	Rapid feed motor	1.1 KW	1.1 KW	1.1 KW
净重	N.W.			
两顶尖距为：(1500mm)	Genter distance:(1500mm)	4800 kg	5300 kg	5800 kg
外形尺寸 (长*宽*高)	WEIGHT FLOOR SPACE(L*W*H)			
两顶尖距为：(1500mm)	Genter distance: (1500mm)	3452X1326X1390 mm	3452X1326X1390 mm	3452X1326X1390 mm

LATHE MACHINE

车床 TURNER 1000HD/1200HD

床身宽度 Bed width 600mm



Turner 1000HD

Standard accessories:	标准配置：	备注 Remark
Three-jaw chuck $\varnothing 325$	三爪卡盘 $\varnothing 325$	
Three-jaw chuck sect	三爪卡盘座	
Four-jaw chuck $\varnothing 400$	四爪卡盘 $\varnothing 400$	
Four-jaw chuck sect	四爪卡盘座	
Spindle Center	主轴顶尖	
Tailstock center	尾座顶尖	
Center sleeve	顶尖套	
Square socket wrench	方套筒扳手	
Steady rest	中心架	小于2M车床不配中心架，8M以上车床配2只中心架，其余配1只。 Below 2M without steady rest, above 8M with two steady rests, others with one.
Follower rest	跟刀架	小于3M车床不配跟刀架，其余配1只跟刀架。 Below 3M without follow rest, others with one.
Iron gasket	调整垫铁	
Special accessories:	特殊配置：	
Face plate $\varnothing 800\text{mm}/\varnothing 1000\text{mm}$	花盘 $\varnothing 800\text{mm}/\varnothing 1000\text{mm}$	
Larger size steady rest $\varnothing 200\text{-}\varnothing 450$	大规格中心架 $\varnothing 200\text{-}\varnothing 450$	
Compound slide auto feed	小刀架自动走刀	
Taper turning attachment	锥度靠模	
Three-jaw chuck $\varnothing 400\text{mm}$	三爪卡盘 $\varnothing 400\text{mm}$	
Four-jaw chuck $\varnothing 630\text{mm}$	四爪卡盘 $\varnothing 630\text{mm}$	

机床技术参数 /Specification

型号	MODEL	Turner 1000HD	Turner 1200HD
货号	Item No.	4813000	4803000
加工能力	CAPACITY		
床身上最大回转直径	Max.swing over bed	Ø1000 mm	Ø1200 mm
马鞍内最大回转直径	Max.swing over gap	Ø1200 mm	Ø1400 mm
横拖板上最大回转直径	Max.swing over cross slide	Ø680 mm	Ø680 mm
两顶尖距	Center distance	1m 1.5m 2m 3m 4m 5m 6m 8m 10m 12m	1m 1.5m 2m 3m 4m 5m 6m 8m 10m 12m
床身导轨宽度	Width of bed	600 mm	600 mm
床头箱	HEAD STOCK		
主轴孔径	Spindle hole	Ø105 mm 或 Ø130 mm (可选)	
主轴锥孔	Spindle taper	1:20	1:20
主轴转速范围	Spindle speeds	5.5-730 rpm	5.5-730 rpm
进给系统	GEAR Box-threads&feeds		
公制螺纹mm	Metric threads mm	1-240 mm (52)	1-240 mm (52)
英制螺纹TPI	Inch threads TPI	1-14 (26)TPI	1-14 (26)TPI
快速进给纵向/横向	Rapid feed:long/cross	4000 mm/min,2000 mm/min	4000 mm/min,2000 mm/min
刀架	TOOL-POST		
刀具截面	Tool section	32×32 mm	32×32 mm
拖板	CARRIAGE		
滑板最大横向行程	Cross slide travel	520 mm	520 mm
小拖板最大行程	Top slide travel	200 mm	200 mm
尾座	TAILSTOCK		
尾座套筒直径	Sleeve diameter	Ø120 mm	Ø120 mm
尾座套筒锥度	Sleeve taper	MT6	MT6
尾座套筒最大行程	Sleeve travel	240 mm	240 mm
中心架	Steady rest	Ø100-300 mm	Ø100-300 mm
跟刀架	Follow rest	Ø20-135 mm	Ø20-135 mm
电机功率	MOTOR		
主电机	Main motor	11 KW	11 KW
快速进给电机	Rapid feed motor	1.1 KW	1.1 KW

Turner 1000HD 净重 (kg) 外形尺寸 (长宽高)	Turner 1000HD Net weight(kg) Dimention(L×W×H)	2000mm	5600kg	4000×1170×1250mm
		3000mm	6200kg	5000×1170×1250mm
		4000mm	6800kg	6000×1170×1250mm
		5000mm	7400kg	7000×1170×1250mm
		6000mm	8000kg	8000×1170×1250mm
		8000mm	9200kg	10000×1170×1250mm
		10000mm	10500kg	12000×1170×1250mm
		12000mm	11800kg	14000×1170×1250mm

LATHE

LATHE MACHINE

车床 TURNER I400HM/I600HM

床身宽度 Bed width 780mm



Turner 1400HM

Standard accessories:	标准配置：	备注 Remark
Four-jaw chuck $\varnothing 1250$	四爪卡盘 $\varnothing 1250$	
Main spindle centre Morse 6#	主轴顶尖 莫氏 6#	
Centre sleeve	顶尖套	
Tailstock centre Metric 80	尾架顶尖 公制80	
Fixed wrench by four-jaw chuck	四爪卡盘固定扳手	
Steady rest $\varnothing 50\text{-}\varnothing 470$	中心架 $\varnothing 50\text{-}\varnothing 470$	3M以上车床配1只，8M以上配2只 Above 3M with one, above 8M with two
Follower rest $\varnothing 50\text{-}\varnothing 220$	跟刀架 $\varnothing 50\text{-}\varnothing 220$	3M以上车床配1只 Above 3M with one
Adjusting bolt of shim plate	垫铁调整螺栓	
Anchor bolt (Including nut and gasket)	地脚螺栓（含螺母及垫圈）	
Electrical cabinet	电气箱	
Oil gun	油枪	
Double-headed solid wrench	双头呆扳手	
Special accessories:	特殊配置：	
Steady rest $\varnothing 380\text{-}\varnothing 800$	中心架 $\varnothing 380\text{-}\varnothing 800$	
Electric tailstock	电动尾座	
Live center	活顶尖	

机床技术参数 /Specification

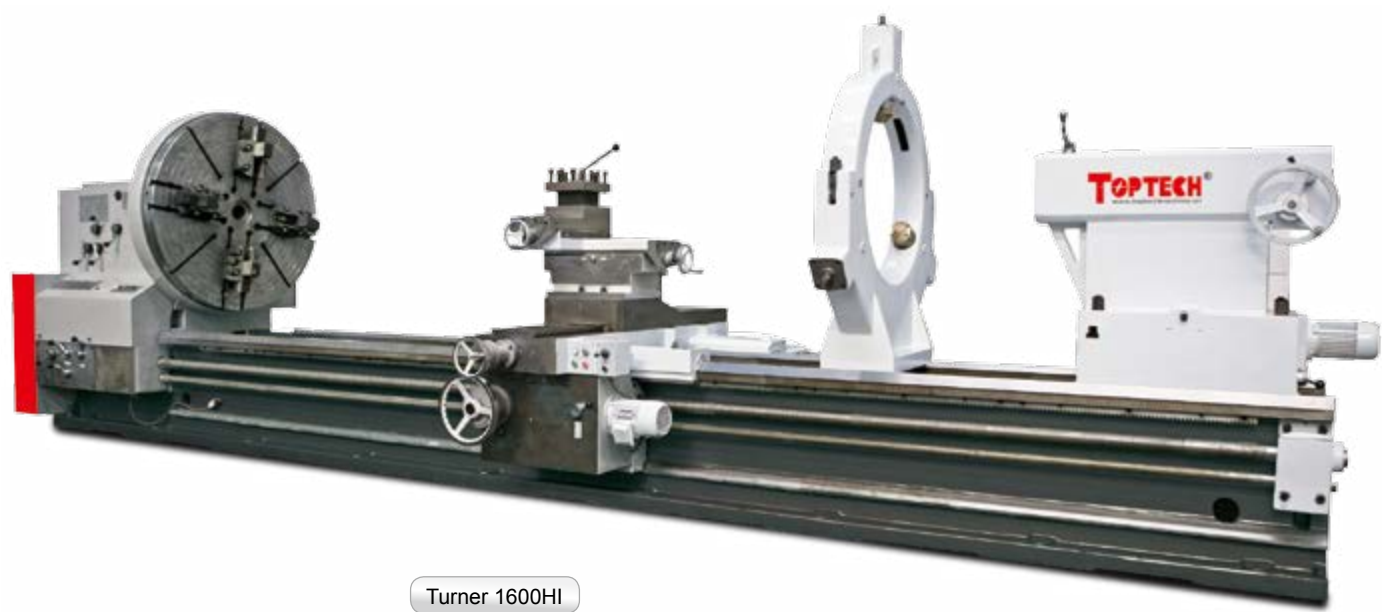
型号	MODEL	Turner 1400HM	Turner 1600HM
货号	Item No.	4705100	4707100
机床最大承重	Max.weight of workpiece	8 T	8 T
床身上最大回转直径	Max.swing over bed	Ø1400 mm	Ø1600 mm
横拖板上最大回转直径	Max.swing over cross slide	Ø1000 mm	Ø1200 mm
两尖顶距离	Center distance	1.5m 2m 3m 4m 5m 6m 8m 10m 12m	1.5m 2m 3m 4m 5m 6m 8m 10m 12m
床身宽度	Width of bed	780 mm	780 mm
床头箱	HEAD STOCK		
主轴孔径	Spindle hole	Ø130 mm	Ø130 mm
主轴锥孔	Spindle taper	140#	140#
主轴转速范围	Spindle speeds	3.15-315r/min或2.5-250r/mm.转数 种数：正21种，反12种	3.15-315r/min或2.5-250r/mm.转数 种数：正21种，反12种
进给箱	GEAR BOX-THREADS&FEEDS		
快速进给：纵向/横向	Rapid feed:Long/Cross	3400 mm/min,1700 mm/min	3400 mm/min,1700 mm/min
刀架	TOOL-POST		
主轴中心至刀具安装面距离	Distance between Center & Tool	48 mm	48 mm
刀具截面	Tool section	45×45 mm	45×45 mm
拖板	CARRIAGE		
中拖板最大行程	Cross slide travel	650 mm	650 mm
小拖板最大行程	Top slide travel	280 mm	280 mm
尾座	TAILSTOCK		
尾座套筒直径	Sleeve diameter	Ø160 mm	Ø160 mm
尾座套筒锥度	Sleeve taper	80# or MT6	80# or MT6
尾座套筒最大行程	Sleeve travel	300 mm	300 mm
电机	MOTOR		
主电机	Main motor	22 KW	22 KW
冷却泵电机	Coolant motor	0.15 KW	0.15 KW
快速进给电机	Rapid feed motor	1.5 KW	1.5 KW

两尖顶距 . 净重 . 外形尺寸 Turner 1400HM	Center distance.Net weight. Turner 1400HM	1500 mm	11700kg	4600×1900×2400mm
		2000 mm	12500kg	5100×1900×2400mm
		3000 mm	13300kg	6100×1900×2400mm
		4000 mm	14100kg	7100×1900×2400mm
		5000 mm	14900kg	8100×1900×2400mm
		6000 mm	15700kg	9100×1900×2400mm
		8000 mm	17300kg	11100×1900×2400mm
		10000 mm	18900kg	13100×1900×2400mm
		12000 mm	20500kg	15100×1900×2400mm

LATHE MACHINE

车 床 TURNER I600HI/I800HI

床身宽度 Bed width 970mm



Turner 1600HI	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1400 (standard)	ø200-550 (standard)	ø600-1250 (optional)
	ø1600 (optional)	ø500-850 (optional)	
Turner 1800HI	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1600 (standard)	ø500-850 (standard)	ø750-1450 (optional)
	ø1800 (optional)	ø200-550 (optional)	

中心距 (mm) Center distance	占地面积 (mm2) Floor area
1500	5150×2380
2000	5650×2380
3000	6650×2380
5000	8650×2380
6000	9650×2380
8000	11650×2380
10000	13650×2380
16000	19280×2300

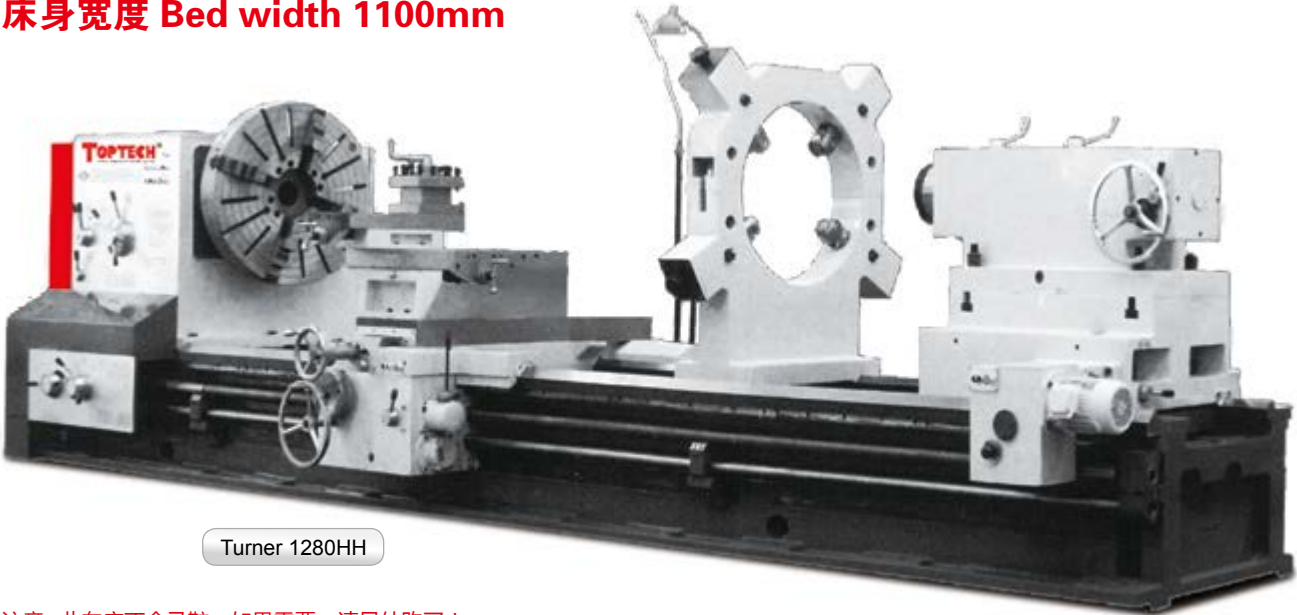
机床技术参数 /Specification

型号	Model	Turner 1600HL	Turner 1800HL
货号	Item No.	4807301	4814301
加工能力	CAPACITY		
工件最大重量	Max. weight of workpiece	10 T	10 T
床身宽度	Width of bed	970 mm	970 mm
床身上最大工件回转直径	Swing diameter over bed	Ø1600 mm	Ø1800 mm
刀架上最大回转直径	Swing diameter over tool rest	Ø1250 mm	Ø1450 mm
最大工件长度	Max. length of workpiece	3000 /5000 /8000 mm	
最大车削长度	Max. length of turning	2800 /4800 /7800 mm	
床头箱	HEAD STOCK		
插入主轴孔棒料最大直径	Diameter of barstock inserted in spindle hole	Ø97 mm	Ø97 mm
主轴孔直径	Diameter of spindle hole	Ø160 mm	Ø160 mm
主轴孔前端锥度	Taper of spindle nose	1:20	1:20
主轴正反转每分钟转速范围	Range of spindle speeds	4-192 rpm	4-192 rpm
卡盘直径	Chuck diameter	Ø1400 mm	Ø1600 mm
进给箱	GEAR BOX		
主轴每转刀架的进给量范围-纵向	Longitudinal feed range of tool rest	0.057 ~ 12.720 mm	0.057 ~ 12.720 mm
主轴每转刀架的进给量范围-横向	Cross feed range of tool rest	0.023 ~ 5.296 mm	0.023 ~ 5.296 mm
公制螺纹的螺距范围/种数	Pitch of metric threads / kinds	1 ~ 224 mm / 46	1 ~ 224 mm / 46
英制螺纹的每吋牙数范围/种数	Teeth of inch threads / kinds	28 ~ 1 TPI /46	28 ~ 1 TPI /46
模数螺纹的模数范围/种数	Range of module threads / kinds	0.25 ~ 56 mm / 37	0.25 ~ 56 mm / 37
刀架	TOOL-POST		
主轴中心线至刀具安装基面的垂直距离	Vertical distance from spindle to turret	48 mm	48 mm
刀杆的横剖面尺寸（高×宽）	Section of cutter arbor(height*width)	45×45 mm	45×45 mm
小刀架最大行程	Stroke of compound rest	300 mm	300 mm
安装车刀数量	Number of lathe tool	4	4
刀架快速移动速度-纵向	Longitudinal rapid moving speed	3.8 m/min	3.8 m/min
刀架快速移动速度-横向	Cross rapid moving speed	1.9 m/min	1.9 m/min
尾架	TAILSTOCK		
套筒直径	Diameter of sleeve	Ø200 mm	Ø200 mm
尾架锥孔的锥度	Taper of tailstock	MT6	MT6
尾架套筒最大行程	Stroke of tailstock sleeve	250 mm	250 mm
床尾横向行程	Cross stroke of tailstock	±12 mm	±12 mm
电机	MOTOR		
主电机功率	Power of main motor	22 KW	22 KW
主电机转速	Speed of main motor	970 rpm	970 rpm
溜板快速电机功率	Power of rapid motor of apron	1.5 KW	1.5 KW
溜板快速电机转速	Speed of rapid motor of apron	1400 rpm	1400 rpm
尾架电机功率	Tailstock electrical power	1.1 KW	1.1 KW
润滑及冷却电泵功率	Power of lubricating and coolant pump	0.125 KW	0.125 KW
机床高度	Height of machine	2300 mm	2500 mm

LATHE MACHINE

车 床 TURNER I280HH/I480HH/I680HH /I980HH/2080HH

床身宽度 Bed width 1100mm



Turner 1280HH

注意：此车床不含马鞍，如果需要，请另外购买！
Notice: This lathe does not include saddle, if need, please order it separately!

Standard accessories:	标准配置：	备注 Remark
Heavy-duty four-jaw chuck (Nut, spanner) ø1000(1280HH) ø1250(1480HH/1680HH/1980HH/2080H)	重型四爪卡盘 (螺钉、扳手) ø1000(1280HH) ø1250(1480HH/1680HH/1980HH/2080H)	
Steady rest ø200-ø500	中心架 ø200-ø500	3M以上配一只，6M以上再配一只500-800mm的大中心架 Above 3M with one , above 6M with one 500-800mm steady rest
Main spindle centre Morse 6#	主轴顶尖 莫氏6#	
Centre sleeve	顶尖套	
Tailstock centre	尾架顶尖	
Adjusting bolt of shim plate	垫铁 调整螺钉	
Anchor bolt (Including nut and gasket)	地脚螺栓(螺母及垫圈)	
Gear (equipped on the machine)	齿轮 (已装在机床上)	
Socket head wrench fixed by four-jaw chuck	四爪卡盘 固定扳手	
Oil gun	油枪	
Tool post spanner	刀架扳手	
Special accessories:	特殊配置：	
Larger size steady rest (Less than 5000mm)	大中心架 ø500-ø800 (6米以下)	
Gig heavy-duty four-jaw chuck ø1600	大重型四爪卡盘 ø1600	
Follower rest ø60-ø200 (800HH) ø80-ø350(1000HH/1200HH/1500HH/1600HH)	跟刀架 ø60-ø200 (1280HH) ø80-ø350(1480HH/1680HH/1980HH/2080H)	

机床技术参数 /Specification

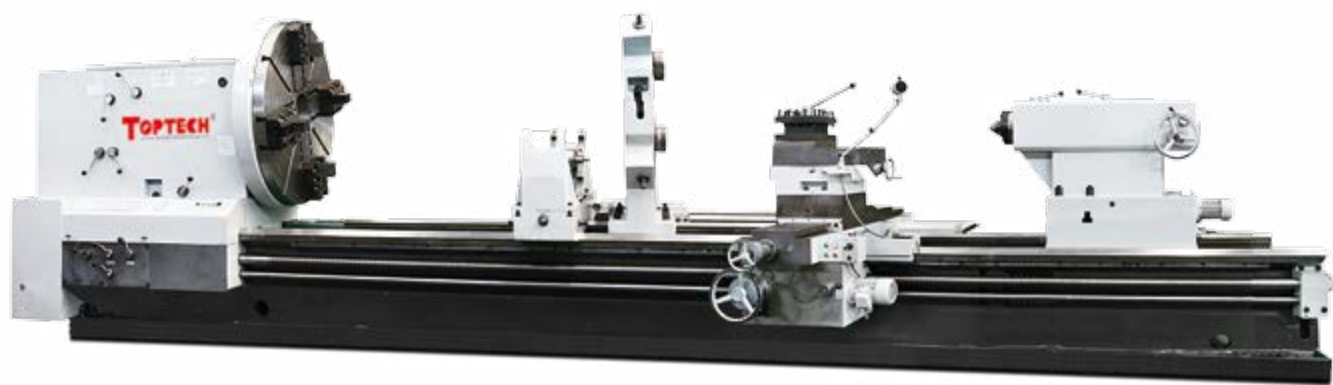
型号	MODEL	Turner 1280HH	Turner 1480HH	Turner 1680HH	Turner 1980HH	Turner 2080HH
货号	Item No.	4604200	4606200	4608200	4609200	4615200
机床最大承重	Max workpiece weight	12 T	12 T	12 T	12 T	12 T
床身上最大回转直径	Max swing over bed	Ø1280 mm	Ø1480 mm	Ø1680 mm	Ø1980 mm	Ø2080 mm
横拖板上最大回转直径	Max swing over cross slide	Ø840 mm	Ø1040 mm	Ø1240 mm	Ø1500 mm	Ø1600 mm
两尖顶距离	Center distance	2m 3m 4m 5m 6m 8m 10m 12m				
马鞍上最大回转直径	Max swing over gap	Ø1580 mm	Ø1780 mm	Ø1980 mm	Ø2280 mm	Ø2380 mm
马鞍槽端面到主轴法兰盘 端面距离	Valid length of gap	600 mm	600 mm	600 mm	600 mm	600 mm
床身宽度	Bed width	1100 mm	1100 mm	1100 mm	1100 mm	1100 mm
床头箱	Headstock					
主轴孔径	Spindle bore	Ø130 mm	Ø130 mm	Ø130 mm	Ø130 mm	Ø130 mm
主轴锥孔	Spindle taper	140#	140#	140#	140#	140#
主轴转速范围	Spindle speeds	3-315 rpm或2-200 rpm或2-250 rpm				
进给箱	GEAR BOX-THREADS & FEEDS					
快速进给：纵向/横向	Rapid feed:long/cross	3400 mm/min,1700 mm/min				
刀架	TOOL POST					
主轴中心至刀具安装面距离	Distance between Center&Tool	48 mm	48 mm	48 mm	48 mm	48 mm
刀具截面	Tool section	45×45 mm	45×45 mm	45×45 mm	45×45 mm	45×45 mm
拖板	CARRIAGE					
中拖板最大行程	Cross slide travel	860 mm	860 mm	860 mm	860 mm	860 mm
小拖板最大行程	Top slide travel	280 mm	280 mm	280 mm	280 mm	280 mm
尾座	TAILSTOCK					
尾座套筒直径	Sleeve diameter	Ø260 mm	Ø260 mm	Ø260 mm	Ø260 mm	Ø260 mm
尾座套筒锥度	Sleeve taper	80#	80#	80#	80#	80#
尾座套筒最大行程	Sleeve travel	300 mm	300 mm	300 mm	300 mm	300 mm
电机	MOTOR					
主电机	Main drive motor	30 KW	30 KW	30 KW	30 KW	30 KW
冷却泵电机	Coolant pump motor	0.15 KW	0.15 KW	0.15 KW	0.15 KW	0.15 KW
快速进给电机	Rapid feed motor	1.5 KW	1.5 KW	1.5 KW	1.5 KW	1.5 KW
尾架电机	Tailstock motor	1.5 KW	1.5 KW	1.5 KW	1.5 KW	1.5 KW

两尖顶距 . 净重 . 外形尺寸 Turner 1480HH	Center distance:Net weight. Dimention Turner 1480HH	2000 mm	18000kg	5280×2200×2600mm
		3000 mm	19000kg	6280×2200×2600mm
		4000 mm	20000kg	7280×2200×2600mm
		5000 mm	21000kg	8280×2200×2600mm
		6000 mm	22000kg	9280×2200×2600mm
		8000 mm	24000kg	11280×2200×2600mm
		10000 mm	26000kg	13280×2200×2600mm
		12000 mm	28000kg	15280×2200×2600mm

LATHE MACHINE

车 床 TURNER 1600HH/1800HH/2000HH

床身宽度 Bed width 1100mm



Turner 1600HH

Turner 1600HH	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1400 (standard)	ø200-550 (standard)	ø600-1250 (optional)
	ø1600 (optional)	ø500-800 (optional)	
Turner 1800HH	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1600 (standard)	ø500-800 (standard)	ø750-1450 (optional)
	ø1800 (optional)	ø200-550 (optional)	
Turner 2000HH	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1800 (standard)	ø500-800 (standard)	ø880-1650 (optional)
	ø2000 (optional)	ø200-550 (optional)	

中心距 (mm) Center distance	占地面积 (mm2) Floor area
3000	6280*2300
5000	8280*2300
6000	9280*2300
8000	11280*2300
10000	13280*2300
12000	15280*2300
14000	17280*2300
16000	19280*2300

机床技术参数 /Specification

型号	Model	Turner 1600HH	Turner 1800HH	Turner 2000HH
货号	Item No.	4607501	4614501	4610501
加工能力	CAPACITY			
工件最大重量	Max. weight of workpiece	18 T	18 T	18 T
床身宽度	Width of bed	1100 mm	1100 mm	1100 mm
床身上最大工件回转直径	Swing diameter over bed	Ø1600 mm	Ø1800 mm	Ø2000 mm
刀架上最大回转直径	Swing diameter over tool rest	Ø1250 mm	Ø1450 mm	Ø1650 mm
最大工件长度	Max. length of workpiece	5000 /6000 /8000 /10000 /12000 mm		
最大车削长度	Max. length of turning	4800 /5800 /7800 /9800 /11800 mm		
床头箱	HEAD STOCK			
插入主轴孔棒料最大直径	Diameter of barstock inserted in spindle hole	Ø97 mm	Ø97 mm	Ø97 mm
主轴孔直径	Diameter of spindle hole	Ø100 mm	Ø100 mm	Ø100 mm
主轴孔前端锥度	Taper of spindle nose	1:20	1:20	1:20
主轴正反转每分钟转速范围	Range of spindle speeds	3-136 rpm	3-136 rpm	3-136 rpm
进给箱	GEAR BOX			
主轴每转刀架的进给量范围-纵向	Longitudinal feed range of tool rest	0.057 ~ 12.726 mm	0.057 ~ 12.726 mm	0.057 ~ 12.726 mm
主轴每转刀架的进给量范围-横向	Cross feed range of tool rest	0.023 ~ 5.296 mm	0.023 ~ 5.296 mm	0.023 ~ 5.296 mm
公制螺纹的螺距范围/种数	Pitch of metric threads / kinds	1 ~ 224 mm /46	1 ~ 224 mm /46	1 ~ 224 mm /46
英制螺纹的每吋牙数范围/种数	Teeth of inch threads / kinds	28 ~ 1 TPI / 46	28 ~ 1 TPI / 46	28 ~ 1 TPI / 46
模数螺纹的模数范围/种数	Range of module threads / kinds	0.25 ~ 56 mm /37	0.25 ~ 56 mm /37	0.25 ~ 56 mm /37
刀架	TOOL-POST			
主轴中心线至刀具安装基面的垂直距离	Vertical distance from spindle to turret	48 mm	48 mm	48 mm
刀杆的横剖面尺寸（高×宽）	Section of cutter arbor(height*width)	45×45 mm	45×45 mm	45×45 mm
小刀架最大行程	Stroke of compound rest	300 mm	300 mm	300 mm
安装车刀数量	Number of lathe tool	4	4	4
刀架快速移动速度-纵向	Longitudinal rapid moving speed	3.8 m/min	3.8 m/min	3.8 m/min
刀架快速移动速度-横向	Cross rapid moving speed	1.9 m/min	1.9 m/min	1.9 m/min
尾架	TAILSTOCK			
套筒直径	Diameter of sleeve	Ø260 mm	Ø260 mm	Ø260 mm
回转主轴	Turning spindle	Ø120 mm	Ø120 mm	Ø120 mm
尾架锥孔的锥度	Taper of tailstock	公制80	公制80	公制80
尾架套筒最大行程	Stroke of tailstock sleeve	250 mm	250 mm	250 mm
床尾横向行程	Cross stroke of tailstock	±12 mm	±12 mm	±12 mm
电机	MOTOR			
主电机功率	Power of main motor	30 KW	30 KW	30 KW
主电机转速	Speed of main motor	1470 rpm	1470 rpm	1470 rpm
溜板快速电机功率	Power of rapid motor of apron	1.5 KW	1.5 KW	1.5 KW
溜板快速电机转速	Speed of rapid motor of apron	1400 rpm	1400 rpm	1400 rpm
润滑电泵功率	Power of lubricating pump	0.18 KW	0.18 KW	0.18 KW
尾架电机功率	Tailstock electrical power	1.1 KW	1.1 KW	1.1 KW
冷却电泵功率	Power of coolant pump	0.125 KW	0.125 KW	0.125 KW
机床高度	Height of machine	2300 mm	2500 mm	2700 mm

DIGITAL POSITION DISPLAY

数显表 DPA2000

用于机床和驱动器行程和定位精度测量
for precise measuring of the travels and positioning on the machine and drives



- 大量缩减生产加工时间
Considerable reduction of the manufacturing times
- 易操作
Easy-to-operate
- 工作精度高
High working accuracy
- 降低故障率
Error rate is reduced
- 键盘分布清晰
Clearly-arranged keyboard
- 防炫目显示屏
Glare-free display
- 八位带符号的LED显示屏
LED display with eight digits including sign
- 永久性存储器 (防断电)
Permanent memory even in case of a power failure
- 键盘保护防水溅
Splash water protected, enclosed keypad
- 高质量铝壳
High quality aluminium housing
- 铣床版和车床版轻松切换分辨率
Switchable for milling machine and lathe with freely selectable resolution
- 数显: X, Y/Z0, Z三轴带八位LED数显 (符号是第一个数字)
Display: X, Y/Z0, Z axis with 8-digit LED display each (the sign is the first digit)
- 每把刀三次评估测量输入 (带七次修正记忆)
Three evaluable measuring inputs with seven correction memories for tools each
- 接电
Electrical connection 230 V ~50 Hz
- 尺寸
Dimensions L x W x H: 280 x 70 x 190 mm
- 重量
Weight: 2.6 kg

可能的功能 Possible functions

- 计算器 Calculator
- 绝对/增量操作 Absolute/incremental operation
- 联轴(总和 Z) Axis coupling (sum Z)
- Sub D插座 Sub D plugs sockets
- 数显值公英制可选 Optionally display of the values in inch or millimetres
- 节距计算 (链条尺寸) Pitch circle calculator (chain dimension)
- 节距坐标 Coordinates in the circle (pitch circle)
- 节距孔 Holes in the circle (pitch circle)
- 计数方向选择 Selection of the direction of counting
- 三轴线性误差补偿 Linear error compensation of the axes
- Z 和 Zo轴数值显示 (总和激活) Display of the values for Z and Zo as sum is enabled
- 数值显示可选半径或直径 Optionally display of the values radius or diameter

交货内容 Scope of delivery

- 墙壁支架 Wall holder
- 操作说明书 Operating instructions
- 230 V连接线 Connection cable 230 V

DPA 2000/DPA 2000 S 测量块

Measuring blocks for DPA 2000/DPA 2000 S

- 随机附路径测量系统 (带高精度光栅测量杆) Fully enclosed path measuring systems with highly precise glass measuring rod
- 精度 5 μ m Accuracy 5 μ m
- 通过安装支架联轴器连接和导向的微型滚珠轴承来扫描行程 Scanning carriage with miniature ball bearings guided and connected via a coupling in the mounting stand
- 通过橡胶密封条防尘, 防水, 防碎屑 Protected against dust, chips and splash water by a rubber sealing lip
- 柔性金属保护管可防护3到4米长的接线 (从ML 620开始是4米) Flexible metal protection hose protects a 3 of 4 m long connection cable (from ML 620 on - 4 m)
- 无需装配 Without assembly

ML 80 mm/ML 100 mm/ML 120 mm/ML 170 mm/ML 220 mm/ML 270 mm/ML 320 mm/ ML 370 mm/ML 420 mm/ML 470 mm/ML 520 mm/ML 570 mm/ML 620 mm/ML 670 mm/ML 720 mm/ML 770 mm/ML 820 mm/ML 870 mm/ML 920 mm/ML 970 mm/ML 1020 mm/ML 1250 mm/ML 1400 mm/ML 1520 mm/ML 1670 mm/ML 1940 mm/ML 2010 mm/ML 3000 mm

工厂装配 Factory assembly ML

- 根据测量块 Per measuring block



DIGITAL POSITION DISPLAY

数显表 DPA2000S



DPA2000S



用于机床和驱动器行程和定位精度测量
for precise measuring of the travels and positioning
on the machine and drives

- 铣床版和车床版可切换, 光栅测量杆和/或磁栅系统可使用自由选择输入信号 (正弦/矩形)
- Switchable for milling machines and lathes, freely selectable input signal (sine/rectangle) to be used e.g. for glass measuring rods and/or magnetic tape systems
- 床子上没有磁测量杆的足够空间但是可以安装磁栅尺
- Magnetic tape to be mounted on machines on which there is not sufficient space for magnetic measuring rods
- 供货内容中包含可探测主轴转速的探头
- Sensors to capture the spindle speed are included in the delivery
- 高工作精度 High working accuracy
- 大量缩减生产加工时间
- Considerable reduction of the manufacturing times
- 降低故障率 Error rate is reduced
- 易操作 Easy-to-operate
- 键盘分布清晰 Clearly-arranged keyboard
- 薄膜键盘, 完全保护, 防水溅, 防眩目
- Splash water protected, closed, glare-free membrane keyboard
- 高质量铝壳 High quality aluminium housing
- 数显: X, Y/Z0, Z三轴带八位LED数显 (符号是第一个数字)
- Display: X, Y/Z0, Z axis with 8-digit LED display each (the sign is the first digit)
- 每把刀三次评估测量输入 (带七次修正记忆)
- Three evaluable measuring inputs with seven correction memories for tools each
- 接电 Electrical connection 230 V ~50 Hz
- 尺寸 Dimensions L x W x H: 280 x 70 x 185 mm
- 重量 Weight: 2.6 kg

磁栅 Magnetic tape MB 100

- 带钢制保护条 With steel protecting strip

激活读数头 Reading head activated

- 用于速度探头 for magnetic tape

穿孔盘 Perforated disc



可能的功能 Possible functions

- 计算器 Calculator
- 速度显示 Speed display
- 联轴(总和 Z) Axis coupling (sum Z)
- Sub D插座 Sub D plugs sockets
- 绝对/增量操作 Absolute/incremental operation
- 公英制螺纹转换 Conversion inch/metric thread
- 节距计算 (链条尺寸) Pitch circle calculator (chain dimension)
- 节距坐标 Coordinates in the circle (pitch circle)
- 节距孔 Holes in the circle (pitch circle)
- 测量值可切换半径或直径
- Measured values radius/diameter can be switched over
- 调零/数据预设 Zeroing/data pre-setting
- 自诊断 Self-diagnosis
- 参考点 Reference point
- 线性故障纠正 Linear error correction
- 7把刀记忆 7 tool memories

交货内容 Scope of delivery

- 速度探头 Speed sensor
- 墙壁支架 Wall holder
- 操作说明书 Operating instructions
- 230 V连接线 Connection cable 230 V



MB 100



激活读数头 Reading head activated

DIGITAL POSITION DISPLAY

数显表 DPA21/DPA22

多功能三轴数显表 (带速度显示), 高档技术, 持久工业品质

The versatilely usable three-axis digital positioning display with speed display.
High-quality technique and durable industrial quality.



DPA21



DPA22

- DPA 21 LED 显示屏 DPA 21 (LED display)
- DPA 22 LCD 显示屏 DPA 22 (LCD display)
- 用户友好界面的薄膜键盘, 防水, 防眩目
- User friendly membrane key pad, water protected, concluded and glare free
- 铣床版和车床版可切换, 光栅测量杆和/或磁栅系统可使用自由选择输入信号 (正弦/矩形) Switchable for milling machines and lathes, freely selectable input signal (sine/rectangle) to be used e.g. for glass measuring rods and/or magnetic tape systems
- 高工作精度 High working accuracy
- 大量缩减生产加工时间
- Considerable reduction of the manufacturing times
- 降低故障率 Error rate is reduced
- X, Y/Z, Z三轴带八位LED数显
- X, Y/Z, Z axis with 8-digit display each
- 供货内容中包含可探测主轴转速的探头 Sensors to capture the spindle speed are included in the delivery
- 循环程序图形输入(DPA22)
- Graphic input for cycle programming (DPA22)
- 每把刀三次评估测量输入 (带七次修正记忆)
- Three evaluable measuring inputs with seven correction memories for tools each
- 尺寸 Dimensions L x W x H: 230 x 80 x 260 mm;
- 重量 Weight 2 kg

可能的功能 Possible functions

- 计算器, 速度显示, 联轴(总和 Z), Sub D插座, 绝对/增量操作, 公英制螺纹转换, 节距计算 (链条尺寸), 节距坐标, 节距孔, 测量值可切换半径或直径, 调零/数据预设, 自诊断, 参考点, 线性故障纠正, 7把刀记忆
- Calculator, speed display, axis coupling (sum Z), Sub D plug sockets, absolute/incremental operation, conversion inch/metric thread, pitch circle calculator (chain dimension), coordinates in the circle (pitch circle), holes in the circle (pitch circle), measured values radius/ diameter can be switched over, zeroing/data pre-setting, selfdiagnosis, reference point, linear error correction, 7 tool magazine

交货内容 Scope of delivery

- 速度探头 Speed sensor
- 固定装置 Fixture
- 电源适配器24V Power supply 24V

磁栅尺 Magnetic tape

- 床子上没有磁测量杆的足够空间但是可以安装磁栅尺
- Magnetic tape to be mounted on machines on which there is not sufficient space for magnetic measuring rods
- 9级插头 9-pole plug
- 长度 Length 1.100 mm
- 长度 Length 2.000 mm

激活读数头 Reading head activated

- 用于磁栅尺 For the magnetic tape

测量块 Measuring blocks

- 随机附路径测量系统 (带高精度光栅测量杆)
- Fully enclosed path measuring systems with highly precise glass measuring rod
- 精度5 μ m Accuracy 5 μ m
- 通过安装支架联轴器连接和导向的微型滚珠轴承来扫描行程
- Scanning carriage with miniature ball bearings guided and connected via a coupling in the mounting stand
- 通过橡胶密封条防尘, 防水, 防碎屑
- Protected against dust, chips and splash water by a rubber sealing lip
- 柔性金属保护管可防护3到4米长的接线 (从ML 620开始是4米)
- Flexible metal protection hose protects the 3 meters from ML 620 - connection cable with a length of 4 meters
- 无需装配 Without assembly

ML 80 mm/ML 100 mm/ML 120 mm/ML 170 mm/ML 220 mm/ML 270 mm/ML 320 mm/ ML 370 mm/ML 420 mm/ML 470 mm/ML 520 mm/ML 570 mm/ML 620 mm/ML 670 mm/ML 720 mm/ML 770 mm/ML 820 mm/ML 870 mm/ML 920 mm/ML 970 mm/ML 1020 mm/ML 1250 mm/ML 1400 mm/ML 1520 mm/ML 1670 mm/ML 1940 mm/ML 2010 mm/ML 3000 mm

DIGITAL READOUT DISPLAY

数显表 DRO3/DRO4/DRO5



DRO3

DRO3

- “MEM”键：
- 功能一：在正常工作状态用于掉电记忆坐标显示值；
- 功能二：开机时用于进入参数设置状态，在参数设置状态用于确认参数更改。
- The “MEM” key
- Function 1: to show the coordinate values of volatile memory under normal working mode;
- Function 2: to enter the parameter setting mode when starting the DRO and to confirm the modification of parameters under the parameter setting mode.

- “INCH/mm” 键：
- 功能一：在正常工作状态用于切换公/英制显示；
- 功能二：在参数设置状态用于选择参数值。
- The “INCH/mm” key
- Function 1: to switch between INCH/mm under normal working mode;
- Function2: to select parameter values under the parameter setting mode.



DRO4

- “SEL” 键：
- 功能：用于选择坐标。
- The “SEL” key
- Function: to select coordinate.

- “CE” 键：
- 功能：在正常工作状态用于对所选择坐标显示值清零。
- 在正常工作状态用于取消掉点记忆状态。
- The “CE” key
- Function: to clear the displayed values of the selected coordinates under normal working mode.
- To cancel the state of volatile memory.

DRO4

- 三路位置显示，一路速度显示
- Three-route position display and one-route speed display
- 传感器类型选择 Type selection of sensor
- 计数分辨率设置功能 Function of counting resolution
- 计数方向设定 Selection of the direction of counting
- 线性误差修正 Linear error compensation
- 公/英制转换 Conversion inch/metric
- 液晶显示状态设置 Setting of LCD display status
- 速度工作方式设置 Setting of speed working mode

DRO5

- 铣床(X - Y - Z)和车床(X, Z, ZO)数码三轴数显
- Digital 3-axes position display for milling machines (X - Y - Z) and lathes (X, Z, ZO))
- 牢固的铝壳 Stable aluminium housing
- 测量位置 To measure positions
- 旋转速度指示 Rotation speed indicator
- 3输入 3 inputs
- 四排LCD显示 Four row LCD display
- 前面编程 Front programming
- 供电设备 Power supply unit



DRO5

Face clamping disc	Item No	
Ø 170 mm for lathe TU 2004V	344 0295	
Ø 240 mm for lathe TU 2506	344 1352	
Ø 250 mm for lathe TU 2404/TU2406	344 0552	
Ø 265 mm for lathe TU 2807	344 1452	



Flange		
• for assembly of lathe chucks		
Ø 160 mm Camlock No. 4	344 1512	
• for four-jaw lathe chuck Ø 160 mm combined		
Ø 200 mm Camlock No. 4	344 1513	
• for four-jaw lathe chuck Ø 200 mm combined		
Ø 200 mm Camlock No. 6	344 4012	
• for four-jaw lathe chuck Ø 200 mm combined		
Ø 250 mm Camlock No. 6	344 4013	
• for four-jaw lathe chuck Ø 250 mm combined		
Ø 315 mm Camlock No. 8	344 4041	
• for three-jaw lathe chuck Ø 315 mm		
• for four-jaw lathe chuck Ø 315 mm		
Ø 325 mm Camlock No. 8	344 4042	
• for four-jaw lathe chuck Ø 325 mm combined		

Flange for lathe chucks		
• For assembly of the lathe chuck		
Ø 100 mm	344 0312	
• Cylindrical for TU 2004V		
Ø 125 mm	344 1312	
• Short taper for TU 2506/TU 2807 for 3-jaw chuck		
Ø 125 mm	344 0511	
• Cylindrical for TU 2404/TU 2406/ TU 2304 for 3-jaw chuck		
Ø 125 mm	344 0511	
• Cylindrical for TU 2404/TU 2406/ TU 2304 for 4-jaw chuck		
Ø 160 mm	344 1413	
• Short taper for TU 2807		
Ø 160 mm	344 1414	
• TU 2807 for 4-jaw chuck		



Revolving lathe centre incl. replaceable tips		
• With 7 replaceable lathe centres		
• Body made of hardened and ground tool steel		
• Precision needle roller bearings guarantee high true running accuracy		
MT 2	344 0732	
MT 3	344 0733	
MT 4	344 0734	



Collet chuck	Item No	
Including short taper clamping		
ER 16	344 0281	
• Cylindrical for TU 1503V		
ER 25	344 1305	
• Short taper for TU 2506 /TU 2807		
ER 25	344 0305	
• Cylindrical for TU 2004V		
ER 25	344 0505	
• Cylindrical for TU 2404/TU 2406/ TU 2304		
ER 32	344 1306	
• Short taper for TU 2506 /TU 2807		
ER 32	344 0506	
• Cylindrical for TU 2404/TU2406		



Collet chuck		
• True running accuracy 0,02 mm		
5C - D1-4	344 1554	
5C - D1-6	344 1556	
5C - D1-8	344 1558	



RÖHM revolving lathe centre		
MT 2	344 1003	
MT 3	344 1503	
MT 4	344 4003	

Revolving lathe centre		
Max. out-of-round	0.006 mm	
MT 1	344 0701	
• Speed max. 5'000 min ⁻¹ ; Radial load max. 320 N		
MT 2	344 0702	
• Speed max. 5'000 min ⁻¹ ; Radial load max. 400 N		
MT 3	344 0703	
• Speed max. 4'500 min ⁻¹ ; Radial load max. 800 N		
MT 4	344 0704	
• Speed max. 3'500 min ⁻¹ ; Radial load max. 1'250 N		
MT 5	344 0705	
• Speed max. 3'000 min ⁻¹ ; Radial load max. 1'500 N		
MT 6	344 0706	
• Speed max. 2'500 min ⁻¹ ; Radial load max. 1'800 N		



optimum



RÖHM

Position limit stop	Item No	
with fine adjustment	344 1524	
• for lathes D 320 - D360		
with fine adjustment	344 4022	
• for lathe D 460		
with fine adjustment	344 4023	
• for lathe D 560		



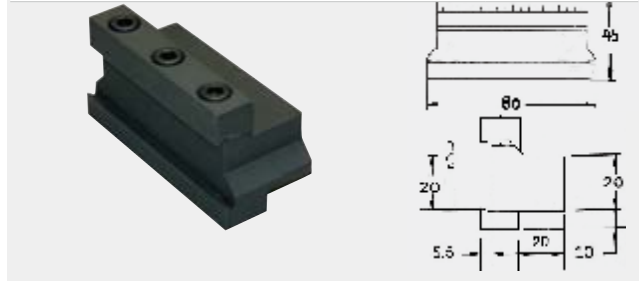
Kit of titanium coated twist drills	305 1010	
• Titanium coating		
• Higher service life and durability		
• Higher hardness than hard metal		
• More rapid working results		
• Low wear		
• 25 pcs; Sizes 1 - 13 mm		
• Metal box		



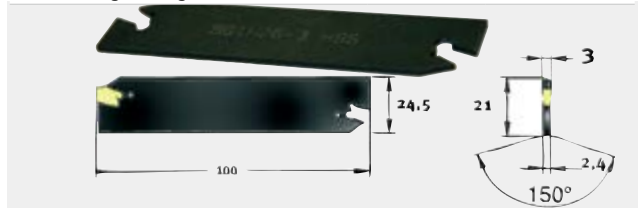
Twist drill HSS incl. Morse taper		
• 9- pieces; sizes 14,5/16/18/20/22/24/26/28/30 mm		
• Long service life		
• Good chip removal		
• Right hand cutting		
MT 2	305 1002	
MT 3	305 1003	



Cutting insert block CB1	344 0680	
• for cutting chisel CH1		
• Without SWH from lathe D 420 on		
• With SWH from lathe D 320 on		
• Complete clamping block		
• Without cutting chisel		



Cutting chisel CH1	344 0685	
• up to 75 mm		
• Including cutting inserts		



Spare cutting inserts for CH1	344 0686	
• 10 pcs		

Universal coolant equipment		
• Delivery height max. 2.5 m		
• Delivery volume 8 l/min		
• Tank capacity 11 l		
• Tank size L x W x H: 370 x 245 x 170 mm		
• Complete including tank, flexible tube, hose		
• With switch-plug combination		
• Magnetic anchoring		
• For self-assembly		

230 V / 1 Ph	335 2002	
400 V / 3 Ph	335 2001	



Direct-quick action drill chuck		
• True running accuracy of better than 0.05 mm		
0 - 8 mm with direct tool holder MT 2	305 0582	
0 - 13 mm with direct tool holder MT 3	305 0585	
0 - 13 mm with direct tool holder MT 4	305 0587	



Vibration damping machine foot

- Machines and devices can be installed without anchoring and exactly levelled per height adjustment
- Machine capability is improved by efficient impact and vibration damping

SE 1	338 1012	
SE 2	338 1016	
SE 3	338 1018	

Charge	SE 1	SE 2	SE 3
Milling machines	340 Kg	460 kg	1'600 kg
Sawing/ general machines	570 kg	1'460 kg	3'500 kg
Thread	M12	M 16	M 20
Base Ø/Base height	120/32	160/35	185/39



Collet kit SPZ - 5C

344 1509

- For universal collet attachment
- Standard 385 E
- 17-pcs; clamping range 3 - 25 mm



Collet kit

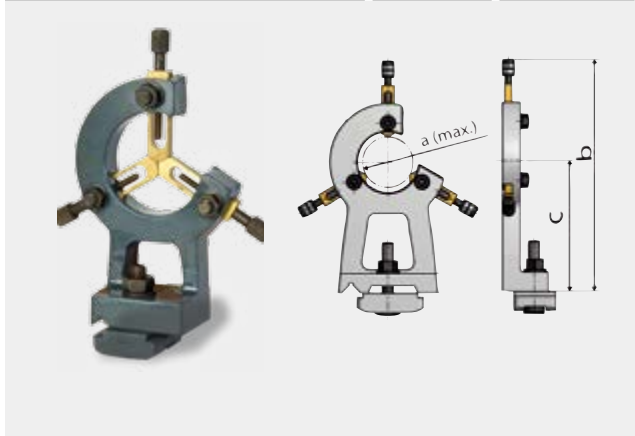
- DIN 6499

ER 16	344 0282	
• 12-pcs; clamping range $\varnothing$ 1 - 12 mm		
ER 25	344 1109	
15-pcs; clamping range $\varnothing$ 1 - 16 mm		
ER 32	344 1122	
18-pcs; clamping range $\varnothing$ 3 - 20 mm		



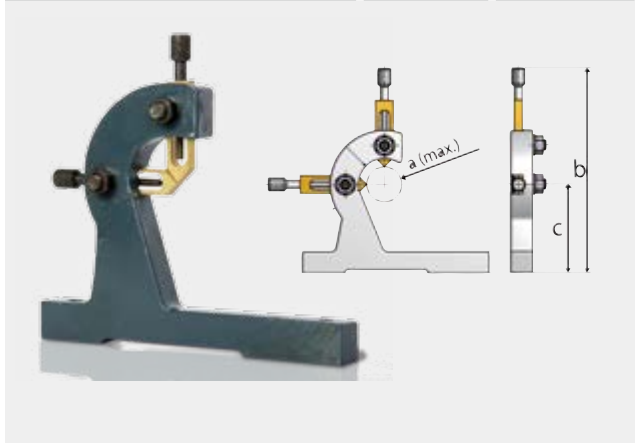
Steady rest

Item No	
for TU 1503V	344 0211
for TU 2004V	344 0231
for TU 2304 / TU 2304V	344 0361
for TU 2506 / TU 2404 / TU 2406	344 1315
• a = $\varnothing$ 50 mm; b = 245 mm; c = 125 mm	
for TU 2807	344 1415
• a = $\varnothing$ 55 mm; b = 250 mm; c = 140 mm	



Follow rest

for TU 1503V	344 0210	
for TU 2004V	344 0230	
for TU 2304 / TU 2304V	344 0360	
for TU 2506 / TU 2404 / TU 2406	344 1310	
a = $\varnothing$ 34 mm; b = 220 mm; c = 107 mm		
for TU 2807	344 1410	
a = $\varnothing$ 56 mm; b = 250 mm; c = 130 mm		



Universal collet attachment 5C

for lathes D320 - D360	344 1506	
for lathe D420	344 1507	
for lathe D460	344 4006	



Quick action tool holder		Item No	
- For current listing of the compatibility refer to „Accessories for lathe“ on page 8798 - Repeat accuracy 0.01 mm · Angle scale on the tool holder head 40 different angle settings · Height adjustment by means of a knurled screw - Tool holder head and tool holder with profile ground toothing - Clamping of tool holder free of play accurately repeatable			
Quick action tool holder kit SWH AA		338 4311	
1 tool holder head AA 3 tool holder 13 x 50 type D for square tools 1 tool holder 13 x 50 type H for round tools · For self-assembly			
Spare tool holder 12 x 50 type D for square tools		338 4312	
Spare tool holder 12 x 50 type H for round tools		338 4320	
Quick action tool holder kit SWH 1 - A		338 4301	
1 tool holder head A 3 tool holder 20 x 90 type D for square tools 1 tool holder 20 x 90 type H for round tools · For self-assembly			
Spare tool holder 20 x 90 type D for square tools		338 4302	
Spare tool holder 20 x 85 type H for round tools		338 4321	
Quick action tool holder kit SWH 3 - E		338 4303	
1 tool holder head E 3 tool holder 20 x 100 type D for square tools 1 tool holder 30 x 100 type H for round tools · For self-assembly			
Spare tool holder 20 x 100 type D for square tools		338 4304	
Spare tool holder 30 x 100 type H for round tools		338 4322	
Quick action tool holder kit SWH 5 - B		338 4305	
1 tool holder head B 3 tool holder 25 x 120 type D for square tools 1 tool holder 30 x 120 type H for round tools · For self-assembly			
Spare tool holder 25 x 120 type D for square tools		338 4306	
Spare tool holder 32 x 130 type H for round tools		338 4324	
Quick action tool holder kit SWH 7 - C		338 4307	
1 tool holder head C 3 tool holder 32 x 150 type D for square tools 1 tool holder 35 x 150 type H for round tools · For self-assembly			
Spare tool holder 32 x 150 type D for square tools		338 4308	
Spare tool holder 40 x 160 type H for round tools		338 4326	
Quick action tool holder kit SWH 9 - D		338 4309	
1 tool holder head D 3 tool holder 41 x 180 type D for square tools 1 tool holder 70 x 180 type H for round tools · For self-assembly			
Spare tool holder 40 x 180 type D for square tools		338 4332	
Spare tool holder 70 x 180 type H for round tools		338 4333	
Workshop assembly and adaptation SWH		900 0400	
Only when purchasing a new machine			



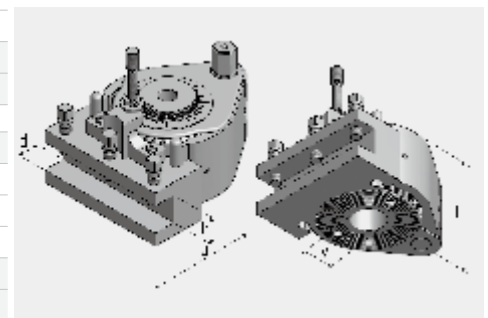
Tool holder head



Tool holder type D for square tools 3 pieces


 Rear view
Tool holder type D for square tools


Tool holder type H for round tools 1 piece


 Rear view
Tool holder type H for round tools

 Dimensions
Tool holder head

Dimensions tool holder head			AA	A	E	B	C	D
Turning diameter			120 - 220 mm	150 - 300 mm	200 - 400 mm	300 - 500 mm	400 - 700 mm	600 - 1000
Motor lathe max.			1 kW	2.2 kW	4.4 kW	6.6 kW	13 kW	20 kW
Support width for tool	d	mm	10	14	15	20	20/30	28/40
Tool max.	h	mm	12	20	20	25	32	40
Hole standard	v	mm	10.2	20	20	32	40	40
Depth of hole max.		mm	12	31	31	51	70	80
Total width- height	u/t	mm	74/37	106/55	132 / 142 h:68	150 / 155 h:78	202 / 210 h:110	230/242 h:122

Accessory parts for turning		Item No	D 140	TU 2004V	D 210	TU 2506	TU 2404	TU 2807	D 320/TU 3209	D 330	D 360/ TU 3610V	D 420/ TU 4210V	D 460/ TU 4615V	D 560/ TU 5620V	D 660	TU 8030D
SWH	SWH AA	338 4311		●												
	SWH 1 - A	338 4301			●	●	●	●								
	SWH 3 - E	338 4303							●	●	●					
	SWH 5 - B	338 4305										●	●			
	SWH 7 - C	338 4307												●		
	SWH 9 - D	338 4305													●	●
Lathe tool	Lathe tool HM 8 mm	344 1011	●	●	●	●	●	●								
	Lathe tool HM 10 mm	344 1111		●	●	●	●	●								
	Lathe tool HM 12 mm	344 1211			●	●	●	●								
	Lathe tool HM 12 mm	344 1212			●	●	●	●								
	Lathe tool HM 16 mm	344 1511							●	●	●					
	Lathe tool HM 16 mm	344 1216							●	●	●					
	Lathe tool HM 16 mm	344 1610							●	●	●					
	Lathe tool HM 20 mm	344 4011										●	●	●		
	Lathe tool HM 20 mm	344 1617										●	●	●		
	Lathe tool HM 25 mm	344 1623													●	●
	Lathe tool with soldered HM 8 mm	344 1008	●	●	●	●	●	●								
	Lathe tool with soldered HM 10 mm	344 1108		●	●	●	●	●								
	Lathe tool with soldered HM 16 mm	344 1508							●	●	●					
Internal turning tools	Internal turning tools kit 10 mm	344 1640		●	●	●	●	●								
	Internal turning tools kit 12 mm	344 1641			●	●	●	●								

Lathe tool kit 8 mm	344 1008
11-pieces . With soldered HM plates	
Lathe tool kit 10 mm	344 1108
11-pieces . With soldered HM plates	
Lathe tool kit 16 mm	344 1508
11-pieces . With soldered HM plates	



Lathe tool kit **HM 8 mm**

Lathe tool kit HM 8 mm 344 1011

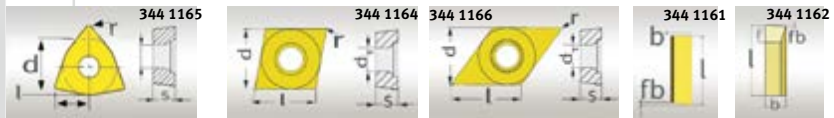
- 7 pieces
- With HM insets
- TiN-coated (1-5)



No	ISO			h1
1	SWGCR	L0810	D05	8 mm
2	SCLCR	L0810	D06	8 mm
3	SDJCR	L0810	D07	8 mm
4	SDNCN	L0810	D07	8 mm
5	SCLCL	L0810	D06	8 mm
6	LW	0810R	L04	8 mm
7	QA	0812R	L03	12 mm



HM- spare inserts

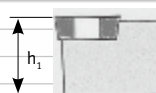


for No	ISO		l	s	r	d	d1	Item No
1	WCMX050308F	W/80°	5.2	3.35	0.8	6.5	3.15	344 1165
2	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
3	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
4	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
5	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
			b	l	fb			
6	Tread cutting	60°	3.0	15.0	3.0	-		344 1162
7	Cutting off-inserts	-	3.50	12.14	0.5	-		344 1161

Lathe tool kit **HM 10 mm**

Lathe tool kit HM 10 mm 344 1111

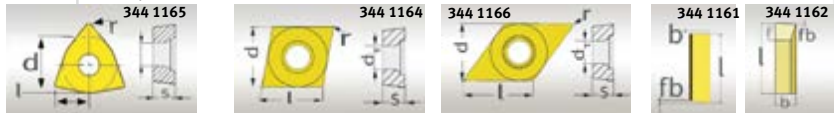
- 7 pieces
- With HM insets
- TiN-coated (8-12)



No	ISO			h1
8	SWGCR	L1010	D05	10 mm
9	SCLCR	L1010	E06	10 mm
10	SDJCR	L1010	E07	10 mm
11	SDNCN	L1010	E07	10 mm
12	SCLCR	L1010	E06	10 mm
13	LW	1010R	L04	10 mm
14	QA	1012R	L03	12 mm



HM- spare inserts



for No	ISO		l	s	r	d	d1	Item No
8	WCMX050308F	W/80°	5.2	3.35	0.8	6.5	3.15	344 1165
9	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
10	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
11	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
12	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
			b	l	fb			
13	Tread cutting	60°	3.0	15.0	3.0	-		344 1162
14	Cutting off-inserts	-	3.50	12.14	0.5	-		344 1161

Lathe tool kit **HM 12 mm**

Lathe tool kit HM 12 mm 344 1211

- 9 pieces
- With HM insets



No	ISO			h1
15	PWKNR	L1012	J06	14 mm
16	PWUNR	L1012	J06	13 mm
17	PSSNR	L1012	J09	13 mm
18	PSSNR	L1215	H09	12 mm
19	PSBNR	L1215	H09	12 mm
20	PWGNR	L1215	H06	12 mm
21	LW	1215R	L06	12 mm
22	QA	1222R	L03	17 mm
23	LN	1215R	L05	12 mm



HM- spare inserts



for No	ISO		l	s	r	d	d1	Item No
15	WAUM06T300FL	W/80°	6.2	3.55	0.10	10.35	4.10	344 1270
16	WAUM06T300FL	W/80°	6.2	3.55	0.10	10.35	4.10	344 1270
17	SAUM09T300FL	S/90°	5.4	3.55	0.10	10.00	4.10	344 1269
18	SAUM09T300F	S/90°	10.0	3.55	0.10	10.00	5.16	344 1267
19	SAUM09T300F	S/90°	10.0	3.55	0.10	10.00	5.16	344 1267
20	WAUM06T300FR	W/80°	6.20	3.55	0.10	10.35	4.10	344 1268
			b	l	fb			
21	Tread cutting	60°	4.70	20.00	5.00	-		344 1263
22	Cutting off-inserts		4.00	14.00	0.50	-		344 1261
23	Tread cutting	60°	3.0	15.0	3.0	-		344 1162

Lathe tool kit **HM 12 mm**



Lathe tool kit HM 12mm 344 1212

- 5 pieces
- With HM inserts
- TIN-coated



Made in Germany



No	ISO			h1
24	SSSC	R1212	J09	12 mm
25	SCLC	R1212	J09	12 mm
26	SDNC	N1212	J09	12 mm
27	SDJC	R1212	J11	12 mm
28	SDJC	L1212	J11	12 mm

HM- spare inserts									
344 1280		344 1282		344 1281					
for No	ISO		l	s	r	d	d1	Item No	
24	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1280	
25	CCMT09T304	C/80°	9.70	3.97	0.40	9.53	4.40	344 1282	
26	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281	
27	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281	
28	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281	

Single lathe tool 12 mm									
24	SSSC R1212J09					344 1220			
25	SCLC R1212J09					344 1221			
26	SDNC N1212J09					344 1222			
27	SDJC R1212J11					344 1223			
28	SDJC L1212J11					344 1224			



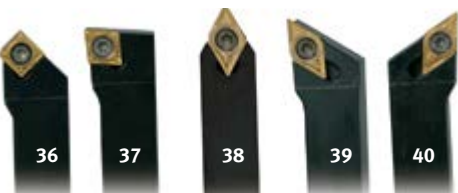
Lathe tool kit **HM 16 mm**

Lathe tool kit HM 16 mm		344 1511
• 7 pieces • With HM inserts • TiN-coated (29-33)		

No	ISO			h1
29	SCLCR	1616	K06	16 mm
30	SSRCR	1616	H09	16 mm
31	SSRCR	1616	H06	16 mm
32	SCGCR	1616	H06	16 mm
33	SCGCL	1616	H06	16 mm
34	LW	1616R	R04	16 mm
35	QA	1622R	L03	22 mm

HM- spare inserts									
344 1164/72		344 1571		344 1261		344 1263			
No	ISO		l	s	r	d	d1	Item No	
29	CCMT060204	C/80°	6.35	2.60	0.40	6.35	2.70	344 1164	
30	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1571	
31	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1571	
32	CCMT09T304	C/80°	9.50	4.00	0.40	9.50	4.40	344 1572	
33	CCMT09T304	C/80°	9.50	4.00	0.40	9.50	4.40	344 1572	
			b	l	fb				
34	Tread cutting	60°	4.70	20.00	5.00	-	-	344 1263	
35	Cutting off-inserts	-	4.00	14.00	0.50	-	-	344 1261	

Lathe tool kit **HM 16 mm**



Lathe tool kit HM 16 mm 344 1216

- 5 pieces
- With HM inserts
- TIN-coated



Made in Germany



No	ISO			h1
36	SSSC	R1616	J09	16 mm
37	SCLC	R1616	J09	16 mm
38	SDNC	N1616	J09	16 mm
39	SDJC	R1616	J11	16 mm
40	SDJC	L1616	J11	16 mm

HM- spare inserts									
344 1280		344 1282		344 1281					
for No	ISO		l	s	r	d	d1	Item No	
36	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1280	
37	CCMT09T30	C/80°	9.70	3.97	0.40	9.53	4.40	344 1282	
38	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281	
39	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281	
40	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281	

Single lathe tool 16 mm									
36	SSSC R1616J09					344 1230			
37	SCLC R1616J09					344 1231			
38	SDNC N1616J09					344 1232			
39	SDJC R1616J11					344 1233			
40	SDJC L1616J11					344 1234			

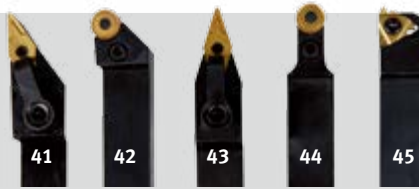
Lathe tool kit HM 16 mm

Lathe tool kit HM 16 mm 344 1610

- 5 pieces
- With HM insets
- TIN-coated
- Aluminium case



No	ISO			h1
41	MVJNR	1616	H16	16 mm
42	MVVNN	1616	H16	16 mm
43	PRANN	1616	H10	16 mm
44	PRGNR	1616	H10	16 mm
45	SER	1616	H16	16 mm


NEW

HM- spare inserts (each 5 pcs.)



for No	ISO		l	s	r	d	d1	Item No
41	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701
42	RNMM1003MO	R	10	3.97	-	10	3.6	344 1702
43	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701
44	RNMM1003MO	R	10	3.97	-	10	3.6	344 1702
45	16ER AG60	60° AR	16	3.65	-	9.5	3.95	344 1703

Lathe tool kit HM 20 mm

Lathe tool kit HM 20 mm 344 4011

- 7 pieces
- With HM insets



No	ISO			h1
46	PWUNR	L1518	M08	16 mm
47	PSSNR	L1518	M12	16 mm
48	PSSNR	L2020	12	22 mm
49	PWGN	R2020	08	22 mm
50	PSNR	L2020	12	22 mm
51	LW	2020	R08	22 mm
52	QA	2027R	L04	22 mm



HM- spare inserts (each 5 pcs.)

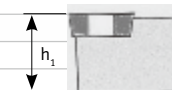


for No	ISO		l	s	r	d	d1	Item No
46	WNUM060400FL	W/80°	8.60	4.50	0.10	13.35	5.16	344 4073
47	SAUM120400FL	S/90°	13.10	4.50	0.10	13.10	5.16	344 4074
48	SAUM120404F	S/90°	13.10	4.50	0.10	13.10	5.16	344 4075
49	WNUM060400FR	W/80°	8.60	4.50	0.10	13.35	5.19	344 4076
50	SAUM120404F	S/90°	13.10	4.50	0.10	13.10	5.16	344 4075
51	Tread cutting	60°	7.50	25.00	0.50	-	-	344 4072
52	Cutting off-inserts	-	4.00	16.00	1.00	-	-	344 4071

Lathe tool kit HM 20 mm

Lathe tool kit HM 20 mm 344 1617

- 5 pieces
- With HM insets
- TIN-coated
- Aluminium case



No	ISO			h1
53	SER	2020	K16	20 mm
54	PRGNR	2020	K10	20 mm
55	PRANN	2020	K10	20 mm
56	MVVNN	2020	K16	20 mm
57	MVJNR	2020	K16	20 mm


NEW

HM- spare inserts (each 5 pcs.)



for No	ISO		l	s	r	d	d1	Item No
53	16ER AG60	60° AR	16	3.65	-	9.5	3.95	344 1703
54	RNMM1003MO	R	10	3.97	-	10	3.6	344 1702
55	RNMM1003MO	R	10	3.97	-	10	3.6	344 1702
56	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701
57	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701

Lathe tool kit **HM 25 mm**

Lathe tool kit HM 25 mm
344 1623

- 5 pieces
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO			h1
58	MVVNN	2525	M16	25 mm
59	SER	2525	M16	25 mm
60	PRGNR	2525	M12	25 mm
61	PRANN	2525	M16	25 mm
62	MVJNR	2525	M16	25 mm



NEW

HM- spare inserts (each 5 pcs.)

	ISO		l	s	r	d	d1	Item No	
58	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701	
59	16ER AG60	60° AR	16	3.65	-	9.5	3.95	344 1703	
60	RNMG1204MO	R	12	4.75	-	12	5.1	344 1705	
61	RNMG1605MO	R	16	5.4	-	16	6.3	344 1704	
62	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701	

Internal turning tools kit 10 mm
344 1640

- 3 pieces
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO		
63	S10K	SCFCR	06
64	S10K	SDQCR	07
65	S10K	STFCR	11

Internal turning tools kit 12 mm
344 1641

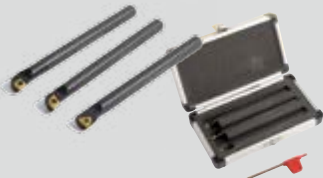
- 3 pieces
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO		
63	S12M	SCFCR	06
64	S12M	SDQCR	07
65	S12M	STFCR	11

Internal turning tool



NEW



HM- spare inserts (each 5 pcs.)

for No	ISO		l	s	r	d	d1	Item No	
63	CCMT060204	C/80°	6.35	2.60	0.40	6.35	2.70	344 1164	
64	TCMT110204	T/60°	10.84	2.53	0.40	9.1	2.70	344 1163	
65	DCMT070204	D/55°	7.30	2.53	0.40	6.35	2.70	344 1166	



Internal turning tools kit
344 1650

- 5-pieces (8/10/12/16/20 mm)
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO			d
66	S10K	SIR 0008	H08	8 mm
67	S10K	SIR 0010	K11	10 mm
68	S10K	SIR 0012	M11	12 mm
69	S10K	SIR 0016	P16	16 mm
70	S10K	SIR 0020	S16	20 mm

Internal turning tool



NEW



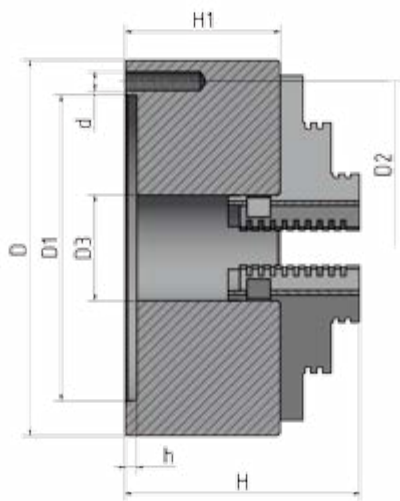
HM- spare inserts (each 5 pcs.)

	ISO		l	s	d	d1	Max.	Item No	
66	08IR A60	60° IR	8	2,22	4,76	2,5	M10	344 1725	
67	11IR A60	60° IR	11	3,22	6,35	3,0	M12	344 1726	
68	11IR A60	60° IR	11	3,22	6,35	3,0	M12	344 1726	
69	16IR A60	60° IR	16	3,65	9,5	3,95	M16	344 1727	
70	16IR A60	60° IR	16	3,65	9,5	3,95	M16	344 1727	

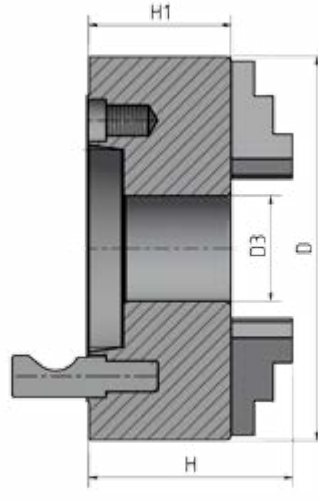
OPTIMUM Three-jaw lathe chuck centrally clamping
• Lathe chuck made of cast

- With cylindrical centre mount according to DIN 6350
- Including chuck key
- True running accuracy of better than 0.05 mm
- Flange for lathe chucks required

ø 80 mm	344 0287	
Non-rigid block jaw kit	344 2902	
ø 100 mm	344 2710	
Non-rigid block jaw kit	344 2904	
ø 125 mm	344 2712	
Non-rigid block jaw kit	344 2906	
ø 160 mm	344 2716	
Non-rigid block jaw kit	344 2908	



Lathe chuck with cylindric tool holder



Camlock lathe chuck



Non-rigid block jaw kit

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Three-jaw chuck centrally clamping											
ø 80 mm	-	344 0287	80	55	66	16	M6	66	50	3.5	4'000
ø 100 mm	-	344 2710	100	72	84	22	M8	74.5	55	3.5	3'500
ø 125 mm	-	344 2712	125	95	108	30	M8	84	58	4	3'000
ø 160 mm	-	344 2716	160	130	142	40	M8	95	65	5	2'150

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Three-jaw chuck Camlock centrally clamping							
ø 160 mm	No. 4	344 2760	160	40	100	70	2'150
ø 200 mm	No. 4	344 2762	200	50	120	86	2'000
ø 200 mm	No. 6	344 2763	200	50	128	86	2'000
ø 250 mm	No. 6	344 2765	250	70	140	98	1'600
ø 315 mm	No. 8	344 2768	315	105	180	103.5	1'200

OPTIMUM Four-jaw lathe chuck individually and centrally clamping

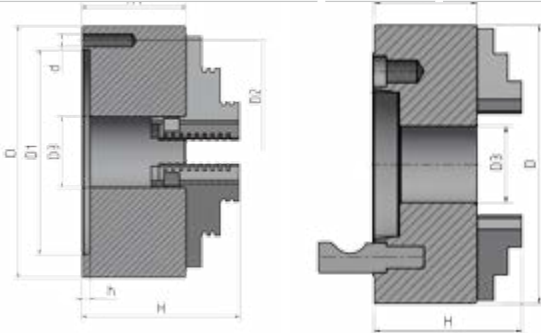
• Lathe chuck made of cast

- With cylindrical centre mount according to DIN 6350
- Including chuck key
- True running accuracy of better than 0.05 mm
- Flange for lathe chucks required

centric clamping		
ø 80 mm	344 2808	
Non-rigid block jaw kit 1 piece	344 2920	
ø 100 mm	344 2810	
Non-rigid block jaw kit 1 piece	344 2922	
ø 125 mm	344 2812	
Non-rigid block jaw kit 1 piece	344 2924	
ø 160 mm	344 2816	
Non-rigid block jaw kit 1 piece	344 2926	

Four jaw lathe chuck individually clamping

ø 80 mm	344 0286	
ø 100 mm	344 2872	
ø 125 mm	344 2874	



Lathe chuck with cylindric tool holder

Camlock lathe chuck

OPTIMUM Four-jaw lathe chuck Camlock centrally clamping

• Lathe chuck made of cast

- Camlock direct tool holder
- Including chuck key
- True running accuracy of better than 0.05 mm

ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2840	
Non-rigid block jaw kit 1 piece	344 2926	
ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2844	
Non-rigid block jaw kit 1 piece	344 2928	
ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2846	
Non-rigid block jaw kit 1 piece	344 2928	
ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2850	
Non-rigid block jaw kit 1 piece	344 2930	
ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2854	
Non-rigid block jaw kit 1 piece	344 2932	

OPTIMUM Four-jaw lathe chuck Camlock individually clamping

ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2878	
ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2884	
ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2888	
ø 400 mm Camlock DIN ISO 702-2 No. 8	344 2890	



Non-rigid block jaw kit

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Four-jaw chuck centrally clamping											
ø 80 mm	-	344 2808	80	55	66	16	M6	66	50	3.5	4'300
ø 100 mm	-	344 2810	100	72	84	22	M8	74.5	55	3.5	3'400
ø 125 mm	-	344 2812	125	95	108	30	M8	84	58	4	2'750
ø 160 mm	-	344 2816	160	130	142	40	M8	95	65	5	2'150
Four-jaw chuck individually clamping											
ø 80 mm	-	344 0286	80	55	66	22	M6	56	42	3.5	
ø 100 mm	-	344 2872	100	72	84	25	M8	73	54	3.5	
ø 125 mm	-	344 2874	125	95	108	30	M8	78	58	4.5	

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Four-jaw chuck Camlock centrally clamping							
ø 160 mm	No. 4	344 2840	160	40	95	70	2'150
ø 200 mm	No. 4	344 2844	200	55	109	86	1'700
ø 200 mm	No. 6	344 2846	200	65	109	86	1'700
ø 250 mm	No. 6	344 2850	250	70	120	95	1'375
ø 315 mm	No. 8	344 2854	315	100	142.5	106	1'200
Four-jaw chuck Camlock individually clamping							
ø 200 mm	No. 4	344 2878	200	50	110	75	
ø 250 mm	No. 6	344 2884	250	65	117.5	82	
ø 315 mm	No. 8	344 2888	315	95	134	90	
ø 400 mm	No. 8	344 2890	400	125	143	95	

High precision three-jaw lathe chuck

OPTIMUM Three-jaw lathe chuck centrally clamping

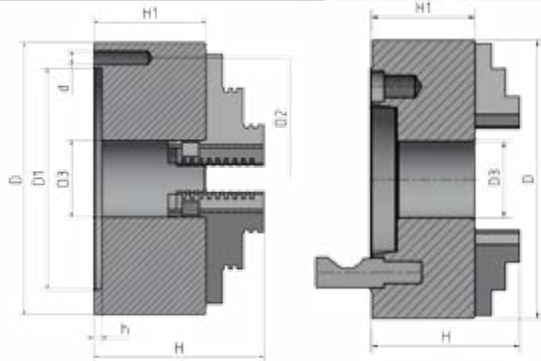
- Lathe chuck made of cast
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy same/better than DIN 6386
- Flange for lathe chucks required

CI3P ø 125 mm	344 2020	
Non-rigid top jaw	344 2522	
Non-rigid block jaw kit 1 piece	344 2521	
CI3P ø 160 mm	344 2025	
Non-rigid block jaw kit 1 piece	344 2541	

OPTIMUM Three-jaw lathe chuck centrally clamping

- Lathe chuck made of steel
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy
- Flange for lathe chucks required

CS3C ø 125 mm	344 2520	
Non-rigid top jaw	344 2522	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2521	



Lathe chuck with cylindric tool holder

Camlock lathe chuck

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Three-jaw chuck centrally clamping											
CI3P ø 125 mm	-	344 2020	125	95	108	32	3 x M8	76	56	4	3'200
CI3P ø 160 mm	-	344 2025	160	125	140	42	6 x M10	96.5	64.5	4	3'000
CS3C ø 125 mm	-	344 2520	125	95	108	32	3 x M8	76	56	4	4'800

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Three-jaw chuck Camlock centrally clamping							
CI3P ø 160 mm	No. 4	344 2040	160	42	125	81.5	3'000
CI3P ø 200 mm	No. 4	344 2045	200	55	138	91	2'500
CI3P ø 200 mm	No. 6	344 2050	200	55	138	91	2'500
CI3P ø 250 mm	No. 6	344 2055	250	76	157.5	103.5	2'000
CI3P ø 315 mm	No. 8	344 2065	315	105	181	117.7	1'500
CS3C ø 160 mm	No. 4	344 2540	160	42	111.5	68	4'500
CS3C ø 200 mm	No. 4	344 2545	200	55	125	78	4'000
CS3C ø 200 mm	No. 6	344 2550	200	55	125	78	4'000
CS3C ø 250 mm	No. 6	344 2555	250	76	143	89	3'500
CS3C ø 250 mm	No. 8	344 2560	250	76	143	89	3'500
CS3C ø 315 mm	No. 8	344 2565	315	103	159.5	96.2	2'800
CS3C ø 400 mm	No. 8	344 2575	400	136	181	108	2'000

High precision CAMLOCK three-jaw lathe chuck

OPTIMUM Three-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of cast
- Camlock direct tool holder DIN 55029
- Including chuck key

CI3P ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2040	
Non-rigid block jaw kit 1 piece	344 2541	
CI3P ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2045	
Non-rigid block jaw kit 1 piece	344 2551	
CI3P ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2050	
Non-rigid block jaw kit 1 piece	344 2551	
CI3P ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2055	
Non-rigid block jaw kit 1 piece	344 2561	
CI3P ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2065	
Non-rigid block jaw kit 1 piece	344 2566	

OPTIMUM Three-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of steel
- Camlock direct tool holder DIN 55029
- Including chuck key
- Highest true running accuracy

CS3C ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2540	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2542	
CS3C ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2545	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2552	
CS3C ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2550	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2552	
CS3C ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2555	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2562	
CS3C ø 250 mm Camlock DIN ISO 702-2 No. 8	344 2560	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2562	
CS3C ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2565	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2567	
CS3C ø 400 mm Camlock DIN ISO 702-2 No. 8	344 2575	
Non-rigid top jaw	344 2577	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2576	



Non-rigid block jaw kit

High precision four-jaw lathe chuck

OPTIMUM Four-jaw lathe chuck centrally clamping

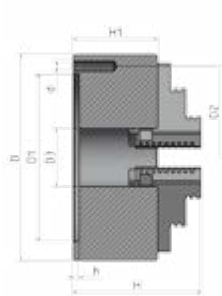
- Lathe chuck made of cast
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy same/better than DIN 6386
- Flange for lathe chucks required

CI4P ø 125 mm	344 2120	
Non-rigid top jaw	344 2622	
Non-rigid block jaw kit 1 piece	344 2621	
CI4P ø 160 mm	344 2125	
Non-rigid block jaw kit 1 piece	344 2641	

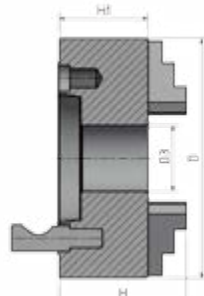
OPTIMUM Four-jaw lathe chuck centrally clamping

- Lathe chuck made of steel
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy
- Flange for lathe chucks required

CS4C ø 125 mm	344 2620	
Non-rigid top jaw	344 2622	
Non-rigid block jaw kit 1 piece	344 2621	



Lathe chuck with cylindric tool holder



Camlock lathe chuck

High precision CAMLOCK four-jaw lathe chuck

OPTIMUM Four-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of cast
- Camlock direct tool holder
- Including chuck key

CI4P ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2140	
Non-rigid block jaw kit 1 piece	344 2641	
CI4P ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2145	
Non-rigid block jaw kit 1 piece	344 2651	
CI4P ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2150	
Non-rigid block jaw kit 1 piece	344 2651	
CI4P ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2155	
Non-rigid block jaw kit 1 piece	344 2661	
CI4P ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2165	
Non-rigid block jaw kit 1 piece	344 2666	

OPTIMUM Four-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of steel
- Camlock direct tool holder
- Including chuck key
- Highest true running accuracy

CS4C ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2640	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2642	
CS4C ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2645	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2652	
CS4C ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2650	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2652	
CS4C ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2655	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2662	
CS4C ø 250 mm Camlock DIN ISO 702-2 No. 8	344 2660	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2662	
CS4C ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2665	

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Four-jaw chuck centrally clamping											
CI4P ø 125 mm	-	344 2120	125	95	108	32	3 x M8	76	56	4	3'200
CI4P ø 160 mm	-	344 2125	160	125	140	42	6 x M10	64.5	64.5	4	3'000
CS4C ø 125 mm	-	344 2620	125	95	108	32	3 x M8	56	56	4	4'800

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Four-jaw chuck Camlock centrally clamping							
CI4P ø 160 mm	No. 4	344 2140	160	42	125	81.5	3'000
CI4P ø 200 mm	No. 4	344 2145	200	55	138	91	2'500
CI4P ø 200 mm	No. 6	344 2150	200	55	138	91	2'500
CI4P ø 250 mm	No. 6	344 2155	250	76	157.5	103.5	2'000
CI4P ø 315 mm	No. 8	344 2165	315	105	181	117.7	1'500
CS4C ø 160 mm	No. 4	344 2640	160	42	111.5	68	4'500
CS4C ø 200 mm	No. 4	344 2645	200	55	125	78	4'000
CS4C ø 200 mm	No. 6	344 2650	200	55	125	78	4'000
CS4C ø 250 mm	No. 6	344 2655	250	76	143	89	3'500
CS4C ø 250 mm	No. 8	344 2660	250	76	143	89	3'500
CS4C ø 315 mm	No. 8	344 2665	315	103	159.5	96.2	2'800
CS4C ø 400 mm	No. 8	344 2675	400	136	181	108	2'000



Non-rigid block jaw kit

quantum®

Long-Run®
Machine & Tools

销往国家:

sold to the countries:



英文



中文

Europe Partner:

OPTIMUM Maschinen Germany GmbH

Dr.-Robert-Pfleger-Str.-26

D-96103 Hallstadt/Bamberg

fax: +49/ (0) 9 51 - 96 555 - 888

email: info@optimum-maschinen.de

www.toptechmachine.cn
www.optimum-maschinen.de

Your specialized dealer will give you more detailed information about our products.

扬州欧普兄弟机械工具有限公司
扬州拓展进出口有限公司

地址: 扬州市开发西路99号 邮编: 225009

电话: 86-514-82085021

传真: 86-514-85860395

网址: www.toptechmachine.cn

网址: www.toptechmachine.net

邮箱: jc@toptechmachine.cn

Yangzhou Euro Brother Machine & Tools Co., Ltd.
Yangzhou Developping Imp. & Exp. Co., Ltd.

Add: 99# West Kaifa Road, Yangzhou, China post code: 225009

Tel: 86-514-82085021

Fax: 86-514-85860395

<http://www.toptechmachine.cn>

<http://www.toptechmachine.net>

E-mail: jc@toptechmachine.cn

*本公司产品参数如有变更, 恕不另行通知。
*Reserve the right to change the parameters without prior notice.