

Standard Configuration (Notes: “●” standard configuration, “◎” option configuration, “※” Cannot be configured)

No.	Items	TC15	TC20L	TC25 II	TC30 II	TC35A	TC40A
1	Controller	SIEMENS 828D	FANUC 0i-TF	FANUC 0i-TF	FANUC 0i-TF	FANUC 0i-TF	FANUC 0i-TF
2	Hydraulic and lubrication system	●	●	●	●	●	●
3	Cutting cooling	●	●	●	●	●	●
4	Full enclosure	●	●	●	●	●	●
5	Hydraulic turret station	8	10	12	12	12	12
6	Soild hydraulic chuck	●	●	●	●	●	●
7	Tool holder	●	●	●	●	●	●
8	Tailstock with live quill	◎	●	●	●	※	※
9	Tailstock with live sleeve	※	◎	◎	◎	●	●
10	External chain type chip conveyor(side)	※	●	●	●	●	●
11	Standard accessories	●	●	●	●	●	●
12	Ground installation	●	●	●	●	●	●
13	Common maintenance tools	●	●	●	●	●	●
14	Soft jaw	●	●	●	●	●	●
15	3-color signal lamp, working light	●	●	●	●	●	●
16	Foot switch	●	●	●	●	●	●
17	Trolley	●	●	●	●	●	●

TC series option configuration table (Notes: “●” standard configuration, “◎” option configuration, “※” Cannot be configured)

No.	Items	TC15	TC20L	TC25 II	TC30 II	TC35A	TC40A
1	Hollow hydraulic chuck	◎	◎	◎	◎	◎	◎
2	Hard jaw	◎	◎	◎	◎	◎	◎
3	Tailstock with live sleeve	※	◎	◎	◎	●	●
4	Programmable tailstock	※	◎	◎	◎	◎	◎
5	Power turret	※	※	◎	◎	◎	◎
6	Air conditioner	◎	◎	◎	◎	◎	◎
7	Hydraulic steady	※	※	◎	◎	◎	◎
8	Water gun	◎	◎	◎	◎	◎	◎
9	Air gun	◎	◎	◎	◎	◎	◎
10	Auto door	◎	◎	◎	◎	◎	◎
11	Auto window	◎	◎	◎	◎	※	※
12	Tool setter	◎	◎	◎	◎	◎	◎
13	Auto bar feeder	◎	◎	◎	◎	※	※
14	Chuck air blow	◎	◎	◎	◎	◎	◎
15	Coolant through tool(1-7Mpa)	◎	◎	◎	◎	◎	◎
16	Oil mist separator	◎	◎	◎	◎	◎	◎
17	Oil skimmer	◎	◎	◎	◎	◎	◎
18	Voltage regulator	◎	◎	◎	◎	◎	◎
19	External chain type chip conveyor (rear)	●	※	◎	◎	※	※


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CNC LATHE

TC15 / TC20L / TC25 II / TC30 II
TC35A / TC40A



TC / TC II

TC / TC II

TC

Items	Unit	TC15	TC20L	TC25 II × 500	TC25 II × 1000	TC30 II × 500	TC30 II × 1000	TC30 II × 1500	TC35A × 1000	TC35A × 1500	TC35A × 2000	TC40A × 1500	TC40A × 2750
Swing over bed dia.	mm	Φ440	Φ420	Φ560	Φ560	Φ650	Φ650	Φ650	Φ700	Φ700	Φ700	Φ800	Φ800
Swing over carriage dia.	mm	Φ180	Φ200	Φ320	Φ320	Φ420	Φ420	Φ420	Φ600	Φ600	Φ600	Φ650	Φ650
Max. turning dia.	mm	Φ180	Φ320	Φ400	Φ400	Φ500	Φ500	Φ500	Φ630	Φ630	Φ630	Φ800	Φ800
Max. turning length	mm	200	360	548	1000	500	1000	1490	1000	1500	2000	1500	2750
Center height from floor	mm	1020	990	980	980	1030	1030	1030	1150	1150	1150	1200	1200
Spindle speed	rpm	5000	5000	4500	4500	3500	3500	3500	2500	2500	2500	2000	2000
Spindle taper	-	A2-5	A2-5	A2-6	A2-6	A2-8	A2-8	A2-8	A2-11	A2-11	A2-11	A2-11	A2-11
Spindle through hole dia.	mm	Φ42	Φ42	Φ62	Φ62	Φ76	Φ76	Φ76	Φ102	Φ102	Φ102	Φ112	Φ112
Max bar diameter	mm	Φ31 (Opt Φ50)	Φ31 (Opt Φ50)	Φ50 (Opt Φ65)	Φ50 (Opt Φ65)	Φ64 (Opt Φ84)	Φ64 (Opt Φ84)	Φ64 (Opt Φ84)	Φ90 (Opt Φ115)	Φ90 (Opt Φ115)	Φ90 (Opt Φ115)	Φ95 (Opt Φ105)	Φ95 (Opt Φ105)
Spindle Journal	mm	Φ80	Φ80	Φ100	Φ100	Φ120	Φ120	Φ120	Φ150	Φ150	Φ150	Φ170	Φ170
Chuck size	inch	5	6	8	8	10	10	10	12	12	12	15	15
X/Z travel	mm	110/240	165/410	210/610	210/1050	260/580	260/1050	260/1550	345/1060	345/1560	345/2060	410/1570	410/2820
X/Z rapid traverse	m/min	30/30	24/30	24/30	24/30	16/20	16/20	16/20	16/20	16/20	16/16	12/12	12/12
Turret type	-	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Turret capacity		8	10	12	12	12	12	12	12	12	12	12	12
Tool size	mm	20x20	20x20	25x25	25x25	25x25	25x25	25x25	32x32	32x32	32x32	32x32	32x32
Boring bar diameter	mm	Φ25	Φ32	Φ40	Φ40	Φ40	Φ40	Φ40	Φ50	Φ50	Φ50	Φ60	Φ60
Tool changing time	s	0.45	0.5	0.55	0.55	0.58	0.58	0.58	0.65	0.65	0.65	0.85	0.85
Tailstock sleeve diameter	mm	/	Φ70	Φ100	Φ100	Φ100	Φ100	Φ100	Φ130	Φ130	Φ130	Φ160	Φ160
Tailstock type	-	/	MT.No.4	MT NO.4	MT NO.4	MT NO.5	MT NO.5	MT NO.5	MT NO.5	MT NO.5	MT NO.5	MT NO.5	MT NO.5
Tailstock sleeve stroke	mm	/	80	120	120	120	120	120	120	120	120	150	150
Tailstock stroke	mm	/	220	410	730	370	730	1100	700	1200	1700	1100	2400
Spindle power	kW	7/14	7.5/11	11/15	11/15	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Servo motor power X/Z	kW	1.9/1.9	1.2 / 1.2	1.8/1.8	1.8/1.8	2.5/2.5	2.5/2.5	2.5/2.5	3.0/3.0	3.0/3.0	3.0/3.0	2.5/3.0	2.5/3.0
Servo motor troque X/Z	Nm	/	7 / 7	11/11	11/11	20/20	20/20	20/20	20/20	20/20	20/20	20/27	20/27
Power requirement	kVA	30	20	25	25	30	30	30	45	45	45	70	70
Coolant tank capacity	L	130	120	200	250	200	250	250	250	250	250	250	310
Machine weight	t	2	3.8	4.6	4.9	5	5.3	7.3	9.5	10.5	12	12.5	14.5
Machine size (LxWxH)	mm	1900X1400X1700	3300X1700X1800	4200x2050x1900	4600x2050x1900	4200x2050x2050	4200x2050x2050	4200x2050x2050	5380x2200x2200	5800x2200x2200	6400x2350x2400	6410x2600x2375	7600x2850x2560

Note: The Max bar through diameter needs the option of hollow chuck & hollow cylinder.