



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

No.	Items	TC15	TC25 II	TC30 II	TC35A	TC40A
1	Controller	SIEMENS 828D	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	12	12	12	12
6	Soild hydraulic chuck	●	●	●	●	●
7	Tool holder	●	●	●	●	●
8	Tailstock with live quill	※	◎	●	●	●
9	Tailstock with live center	◎	●	◎	※	※
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	TC25 II	TC30 II	TC35A	TC40A
1	Hollow hydraulic chuck	◎	◎	◎	◎	◎
2	Hard jaw	◎	◎	◎	◎	◎
3	Programmable tailstock	※	◎	◎	◎	◎
4	Power turret	※	◎	◎	◎	◎
5	Air conditioner	◎	◎	◎	◎	◎
6	Hydraulic steady	※	◎	◎	◎	◎
7	Water gun	◎	◎	◎	◎	◎
8	Air gun	◎	◎	◎	◎	◎
9	Auto door	◎	◎	◎	◎	◎
10	Auto skylight	◎	◎	◎	※	※
11	Tool setter	◎	◎	◎	◎	◎
12	Auto bar feeder	◎	◎	◎	※	※
13	Chuck air blow	◎	◎	◎	◎	◎
14	Coolant through tool(1-7Mpa)	◎	◎	◎	◎	◎
15	Oil mist collector	◎	◎	◎	◎	◎
16	Oil skimmer	◎	◎	◎	◎	◎
17	Voltage regulator	◎	◎	◎	◎	◎
18	External chain type chip conveyor (rear)	●	◎	◎	※	※



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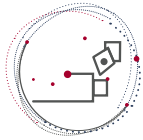
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CNC LATHE

TC15 / TC25 II / TC30 II
TC35A / TC40A





TC / TC II

	Items	unit	TC15	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
Capacity	Swing over bed dia	mm	Φ440	Φ560	Φ560	Φ650	Φ650	Φ650	Φ700	Φ700	Φ700	Φ800	Φ800
	Swing over saddle	mm	Φ180	Φ320	Φ320	Φ420	Φ420	Φ420	Φ600	Φ600	Φ600	Φ650	Φ650
	Max.turning dia	mm	Φ180	Φ400	Φ400	Φ500	Φ500	Φ500	Φ630	Φ630	Φ630	Φ800	Φ800
	Max.turning length	mm	200(≤ Φ180)	548(≤ Φ320)	1000(≤ Φ320)	500(≤ Φ420)	1000(≤ Φ420)	1490(≤ Φ420)	1000(≤ Φ600)	1500(≤ Φ600)	2000(≤ Φ600)	1500(≤ Φ650)	2750(≤ Φ650)
	Chuck size	inch	5	8	8	10	10	10	12	12	12	15	15
Travel/rapid	Bar capacity dia	mm	Φ31(OptΦ50)	Φ50(OptΦ65)	Φ50(OptΦ65)	Φ64(OptΦ88)	Φ64(OptΦ88)	Φ64(OptΦ88)	Φ88(OptΦ113)	Φ88(OptΦ113)	Φ88(OptΦ113)	Φ88	Φ88
	X/Z travel	mm	110/240	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	16/20	16/20	16/20	16/20	16/20	16/16	12/12	12/12
Spindle	Spindle type	-	Belt spindle	Belt spindle	Belt spindle	Belt spindle	Belt spindle	Belt spindle	Belt spindle (Opt Gearbox)	Belt spindle (Opt Gearbox)	Belt spindle(Opt Gearbox)	Gearbox	Gearbox
	Max.spindle speed	rpm	5000	4500	4500	3500	3500	3500	2500	2500	2500	2000	2000
	Main spindle motor power	kW	12/53	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
	Max.Spindle torque	Nm	61/269	140/250	140/250	245/400	245/400	245/400	485/600	485/600	485/600	Low 2434/3002 High 645/796	Low 2434/3002 High 645/796
	Spindle nose	-	A2-5	A2-6	A2-6	A2-8	A2-8	A2-8	A2-11	A2-11	A2-11	A2-11	A2-11
	Spindle bearing diameter(Front)	mm	Φ80	Φ100	Φ100	Φ120	Φ120	Φ120	Φ150	Φ150	Φ150	Φ170	Φ170
Turret	Turret type	-	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Turret capacity	-	8	12	12	12	12	12	12	12	12	12	12
	OD tool size	mm	20×20	25×25	25×25	25×25	25×25	25×25	32×32	32×32	32×32	32×32	32×32
	Boring bar dia.	mm	Φ25	Φ40	Φ40	Φ40	Φ40	Φ40	Φ50	Φ50	Φ50	Φ60	Φ60
	Tool changing time(including clamp)	s	0.45	0.55	0.55	0.58	0.58	0.58	0.65	0.65	0.65	0.85	0.85
Tailstock	Tailstock type	-	/	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Tailstock travel	mm	/	410	730	370	730	1100	700	1200	1700	1100	2400
	Quill dia.	mm	/	Φ100	Φ100	Φ100	Φ100	Φ100	Φ130	Φ130	Φ130	Φ160	Φ160
	Quill travel	mm	/	120	120	120	120	120	120	120	120	150	150
	Quill bore taper	-	/	MT NO.4 (Opt Dead MT NO.4)	MT NO.4 (Opt Dead MT NO.4)	MT NO.5 (Opt Dead MT NO.4)	MT NO.5 (Opt Dead MT NO.4)	MT NO.5 (Opt Dead MT NO.4)	Dead MT NO.5	Dead MT NO.5	Dead MT NO.5	Dead MT NO.5	Dead MT NO.5
Motor	X/Z motor power	kW	1.9/1.9	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
	X/Z motor torque	Nm	8.5/8.5	11/11	11/11	20/20	20/20	20/20	20/20	20/20	20/20	20/27	20/27
Power capacity		kVA	30	25	25	30	30	30	45	45	45	70	70
Coolant tank		L	130	200	250	200	250	250	250	250	250	250	310
Controller		-	SIEMENS 828D	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF
Machine dimensions	Length	mm	1900	4200	4600	4200	4600	5350	5400	5800	6400	6450	7600
	Width	mm	1400	2050	2050	2050	2050	2050	2200	2200	2350	2600	2850
	Height	mm	1700	1900	1900	2050	2050	2050	2200	2200	2400	2400	2600
	Weight	t	2	4.5	4.9	4.9	5.4	6.3	9	10.5	11	12.5	14.5

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

