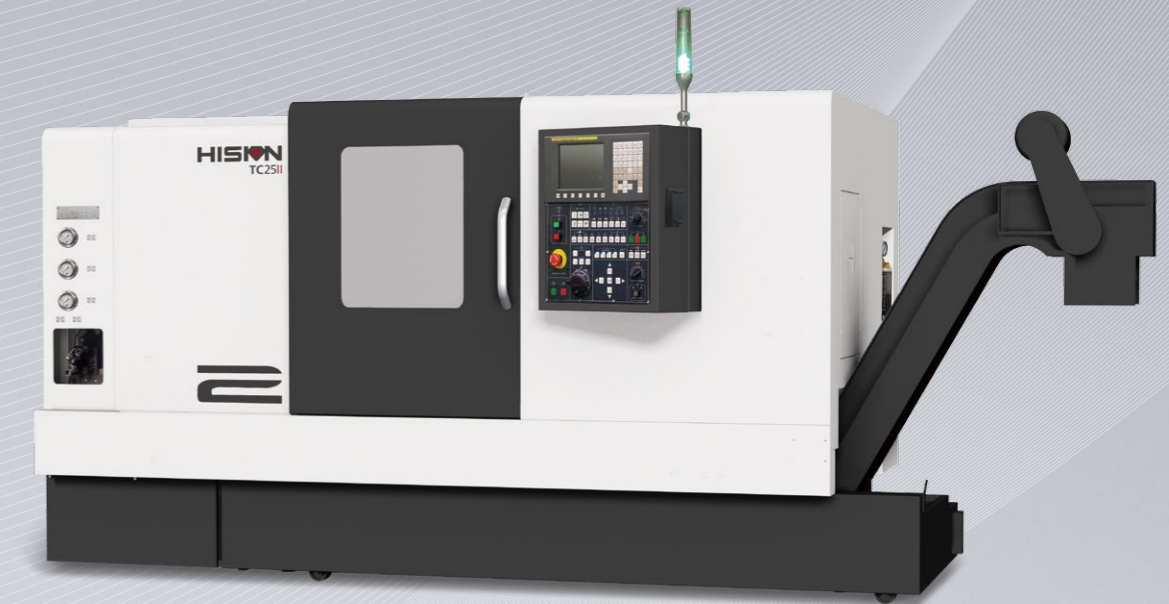


Standard Configuration (Notes: “●” standard configuration, “◎” option configuration, “※” Cannot be configured)

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

	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
Capacity	Swing over bed dia	mm	Φ440	Φ420	Φ560	Φ560	Φ650	Φ650	Φ650	Φ700	Φ700	Φ700	Φ800	Φ800
	Swing over saddle	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(≤ Φ180)	360(≤ Φ200)	548(≤ Φ320)	1000(≤ Φ320)	500(≤ Φ420)	1000(≤ Φ420)	1490(≤ Φ420)	1000(≤ Φ600)	1500(≤ Φ600)	2000(≤ Φ600)	1500(≤ Φ650)	2750(≤ Φ650)
	Chuck size	inch	5	6	8	8	10	10	10	12	12	12	15	15
Travel/rapid	Bar working dia	mm	Φ31(OptΦ50)	Φ31(OptΦ50)	Φ50(OptΦ65)	Φ50(OptΦ65)	Φ64(OptΦ84)	Φ64(OptΦ84)	Φ64(OptΦ84)	Φ90(OptΦ115)	Φ90(OptΦ115)	Φ90(OptΦ115)	Φ95(OptΦ105)	Φ95(OptΦ105)
	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
Spindle	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
	Spindle type	-	Belt spindle	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	5000	4500	4500	3500	3500	3500	2500	2500	2500	2000	2000
	Main spindle motor power	kW	12/53	7.5/11	11/15	11/15	11/15	11/15	11/15	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
	Max.Spindle torque	Nm	61/269	58/110	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	A2-5	A2-6	A2-6	A2-8	A2-8	A2-8	A2-11	A2-11	A2-11	A2-11	A2-11
Turret	Spindle bearing diameter(Front)	mm	Φ80	Φ80	Φ100	Φ100	Φ120	Φ120	Φ120	Φ150	Φ150	Φ150	Φ170	Φ170
	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
	OD tool size	mm	20×20	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	Φ32	Φ40	Φ40	Φ40	Φ40	Φ40	Φ50	Φ50	Φ50	Φ60	Φ60
Tailstock	Tool changing time(including clamp)	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 type	-	/	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Tailstock travel	mm	/	220	410	730	370	730	1100	700	1200	1700	1100	2400
	Quill dia.	mm	/	Φ70	Φ100	Φ100	Φ100	Φ100	Φ100	Φ130	Φ130	Φ130	Φ160	Φ160
	Quill travel	mm	/	80	120	120	120	120	120	120	120	120	150	150
Motor	Quill bore taper	-	/	MT NO.4	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
	X/Z motor power	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
Power capacity	X/Z motor torque	Nm	8.5/8.5	7/7	11/11	11/11	20/20	20/20	20/20	20/20	20/20	20/20	20/27	20/27
		kVA	30	20	25	25	30	30	30	45	45	45	70	70
Coolant tank		L	130	120	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	FANUC 0I-TF
Machine dimensions	Length	mm	1900	3300	4200	4600	4200	4600	5350	5380	5800	6400	6410	7600
	Width	mm	1400	1700	2050	2050	2050	2050	2050	2200	2200	2200	2600	2850
	Height	mm	1700	1800	1900	1900	2050	2050	2050	2200	2200	2200	2375	2560
	Weight	t	2	3.8	4.6	4.9	5	5.3	7.3	9.5	10.5	12	12.5	14.5

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