



Standard configuration (Notes: "●" "standard configuration , "⊙" "option configuration, "⌘" "Cannot be configured)

No.	Items	TC15	TC20L	TC25	TC30A	TC35A	TC40A
1	Controller	SIEMENS 828D	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-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 configuation table (Notes: "●" "standard configuration, "⊙" "option configuration, "⌘" "Cannot be configured)

No.	Items	TC15	TC20L	TC25	TC30A	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)	●	⌘	⊙	⊙	⌘	⌘



Ningbo Dagang Production Base



Ningbo Yanshan Production Base



Dalian Production Base



Ningbo Haitian Precison Machinery Co., Ltd.

H.Q.& Production Base1
No. 1688 Haitian road, Xiaogang, Beilun,
Ningbo-315801, China.

Production Base2
No.235, Huangshan Road, Beilun District, Ningbo-315801 China.

Production Base3
No.188, Baodao Road, Lin'gang Industrial Zone, Changxing Island,
Dalian-116317 China.

Haitian Precision Machinery(HONGKONG) Co., Ltd.

Office address:
Unit,12/F, Seabright Plaza, 9-23 Shell Street, North Point, HONGKONG.

Tel: +86-574-86182580/86182525
Fax: +86-574-86182518
E-mail: hision@mail.haitian.com
Website: www.hision.com.cn
Zipcode: 315800



CNC Lathe

TC15 / TC20L / TC25 / TC30A / TC35A / TC40A



Ningbo Haitian Precision Machinery Co.,Ltd.

Main Technical Parameters



Items	Unit	TC15	TC20L	TC25×500	TC25×1000	TC30A×500	TC30A×1000	TC30A×1500	TC35A×1000	TC35A×1500	TC35A×2000	TC40A×1500	TC40A×2750
Swing over bed dia.	mm	Φ440	Φ420	Φ560		Φ650			Φ700			Φ800	
Swing over carriage dia.	mm	Φ180	Φ200	Φ320		Φ420			Φ600			Φ650	
Max. turning dia.	mm	Φ180	Φ320	Φ400		Φ500			Φ630			Φ800	
Max. turning length	mm	200	360	548	1000	500	1000	1500	1000	1500	2000	1500	2750
Center height from floor	mm	1020	990	980		1030			1150			1200	
Spindle speed	rpm	5000	5000	4500		3500			2500			2000	
Spindle taper	-	A2-5	A2-5	A2-6		A2-8			A2-11			A2-11	
Spindle through hole dia.	mm	Φ42	Φ42	Φ62		Φ76			Φ102			Φ112	
Spindle Journal	mm	Φ80	Φ80	Φ100		Φ120			Φ150			Φ170	
Chuck size	inch	5	6	8		10			12			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		16/20			16/20	16/20	16/16	12/12	
Turret type	-	Hydraulic	Hydraulic	Hydraulic		Hydraulic			Hydraulic			Hydraulic	
Turret capacity		8	10	12		12			12			12	
Tool size	mm	20x20	20x20	25x25		25x25			32x32			32x32	
Boring bar diameter	mm	Φ25	Φ32	Φ40		Φ40			Φ50			Φ60	
Tool changing time	s	0.45	0.5	0.45		0.45			0.5			1	
Tailstock sleeve diameter	mm	/	Φ70	Φ100		Φ100			Φ130			Φ160	
Tailstock type	-	/	MT.No.4	MT NO.4		MT NO.5			MT NO.5			MT NO.5	
Tailstock sleeve stroke	mm	/	80	120		120			120			150	
Tailstock stroke	mm	/	220	400	720	350	720	1100	700	1200	1700	1100	2400
Spindle power	kW	7/14	7.5/11	11/15		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		2.5/2.5			3.0/3.0			2.5/3.0	
Servo motor troque X/Z	Nm	/	7 / 7	11/11		20/20			20/20			20/27	
Power requirement	kVA	30	20	25		30			45			70	
Coolant tank capacity	L	130	120	200	250	200	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	4200x2050x2020	4600x2050x2020	5350x2050x2020	5380x2200x2200	5800x2200x2200	6400x2350x2400	6410x2600x2375	7600x2850x2560