

TOPPER

ISO 9001 ISO 14001

A Worldwide Tradition of
Quality Products and Customer Service

Quality

Precision

Efficiency

Economy

EMPIRE

CNC Machine Tools,
Accessories, Sales and Service

EMPIRE CNC SERVICES, Inc.

Phone: 256-464-9942 • Fax: 256-461-0085

Email: empirecnc@aol.com

TA-20/25

CNC Lathe w/TQCT(KV) Turret



12 Station turret



TA-20/25 CNC Lathe w/TQCT(KV) Turret

SPECIFICATION

Item	Specification	Unit	TA-20	TA-20L	TA-25	TA-25L
Capacity	Max. Swing	mm/(inch)	450(17.7)		450(17.7)	
	Max. Turning dia.	mm/(inch)	334(13.1)		334(13.1)	
	Max. Turning length	mm/(inch)	400(15.7)	630(24.8)	400(15.7)	630(24.8)
	Bar capacity	mm/(inch)	51(2.0)		64(2.5)	
	Chuck size	mm/(inch)	208(8.2)		255(10.0)	
Spindle	Max. Spindle speed	min ⁻¹ /rpm	4500		3500	
	Spindle nose		A2-6		A2-8	
	Hole through spindle	mm/(inch)	62(2.44)		78(3.07)	
	Spindle bearing I.D.	mm/(inch)	100(3.94)		130(5.1)	
	Floor to spindle center	mm/(inch)	1120(44)		1120(44)	
Turret	No. of station		12		12	
	O.D. Tool holder size	mm/(inch)	25(1)		25(1)	
	I.D. Tool holder size	mm/(inch)	40(1.5)		40(1.5)	
Feed	Drive system		Servo		Servo	
	X/Z axis rapid traverse	m/(inch)	30(1181)		30(1181)	
	X axis travel	mm/(inch)	260(10.2)		260(10.2)	
	Z axis travel	mm/(inch)	420(16.5)	650(25.6)	420(16.5)	650(25.6)
	X/Z axis cutting feed rate	mm(inch)/rev.	0.01-500(0.1-20)		0.01-500(0.1-20)	
Tail Stock	X/Z axis sliding way		Linear Guide		Linear Guide	
	Tail stock travel	mm/(inch)	450(17.7)	700(27.5)	450(17.7)	700(27.5)
	Tail stock taper		MT#5		MT#5	
Motor	Driving method		Hydraulic		Hydraulic	
	Main motor	kw/(HP)	15/11(20/15)		15/11(20/15)	
	Servo motor X/Z	kw/(HP)	3/3(5/5)		3/3(5/5)	
	Hydraulic motor	kw/(HP)	1.5(2)		1.5(2)	
	Coolant motor	kw/(HP)	0.37x2(0.5x2)		0.37x2(0.5x2)	
	Hydraulic tank capacity	liter/(gal.)	30(8)		30(8)	
	Coolant tank capacity	liter/(gal.)	170(44.7)		170(44.7)	
Machine	Machine space	m (ft)	2.4x1.8x2.1 (7'10"x5'10"x6'11")	2.7x1.8x2.1 (9'x5'10"x6'11")	2.4x1.8x2.1 (7'10"x5'10"x6'11")	2.7x1.8x2.1 (9'x5'10"x6'11")
	Machine weight	kg(lbs)	4700(10340)	4900(10780)	4800(10560)	5000(11000)

STANDARD ACCESSORIES

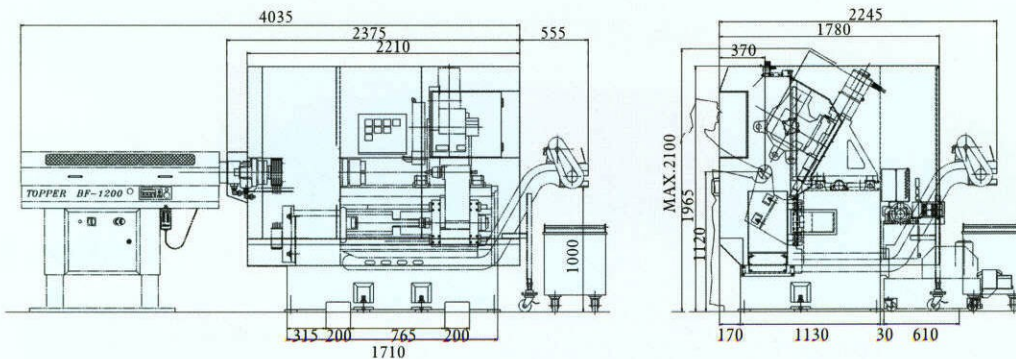
- 3-jaw hydraulic hollow chuck
- Soft jaws x 1 set
- Chip conveyor (right discharge)
- Chip wagon with roller
- Work light
- Splash guard
- Hydraulic unit with cooling device
- TQCT tool holder set (option in USA)
- Live center
- Call light
- Leveling block
- Spanner & wrenches
- Maintenance parts

OPTIONAL ACCESSORIES

- Auto door
- Automatic bar feeder
- Manual tool presetter
- Parts catcher
- Workpiece discharge conveyor
- Bar puller
- Tool air blow
- Chip conveyor rear discharge
- Spindle through coolant/air blow
- Oil mist collector
- Oil skimmer
- Gun coolant
- Chuck overhead coolant
- Transformer
- Call light 3 colors
- Separated sub operation box
- Air conditioning in power cabinet

*Specifications are subject to change for improvement without notice.

Machine Layout (TA-20)



TONG-TAI MACHINE & TOOL CO., LTD.

946, CHUNG SHAN RD., SEC.1, HUNEI HSIANG,
 KAOHSIUNG HSIEN, 82901, TAIWAN, R.O.C.
 TEL:886-7-6993721~10 FAX:886-7-6992060/6994380
 E-mail:tongtai@tongtai.com.tw
 Website:http://www.tongtai.com.tw

■ TAO-YUAN OFFICE
 TEL:886-3-3283348~9 FAX:886-3-3281548

■ TAI-CHUNG OFFICE
 TEL:886-4-23710245 FAX:886-4-23719111

■ TONG-TAI SEIKI U.S.A INC.
 157 Route 303, Unit No.1 Valley Cottage, NY 10989 U.S.A.
 TEL:1-845-2675500 FAX:1-845-2675546

■ EUROPE OFFICE
 TOPPER EUROPE B.V.
 TEL:31(0)161-454639 FAX:31(0)161-454768
 E-mail:info@topper-europe.com

■ JAPAN OFFICE

■ THAILAND OFFICE
 TEL:66-2-7443440 FAX:66-2-3986518

■ INDONESIA OFFICE
 TEL:62-21-45850839 FAX:62-21-45850840

■ MALAYSIA OFFICE
 TEL:60-3-78456815 FAX:60-3-78456851

■ CHINA OFFICE
 ■ SUZHOU TONG-YU MACHINE & TOOL CO., LTD.
 TEL:86-512-63430168 FAX:86-512-63431622
 E-mail:tongyusc@pub.sz.jsinfo.net

● SHANG-HAI OFFICE
 TEL:86-21-54421218 FAX:86-21-34073262
 E-mail:tongyu@81890.net

● GUANG-ZHOU OFFICE
 TEL:86-755-27222119 FAX:86-755-27222115

● TIAN-JIN OFFICE
 TEL:86-22-24010760 FAX:86-22-24010761

● CHONG-QING OFFICE
 TEL:86-23-67865925 FAX:86-23-67867717