

TC15L / TC20L / TC25L / TC30A

TC25MC / TC30AMC

STANDARD

- ❖ Controller : Fanuc (TC15L Siemens)
- ❖ Hydraulic solid chuck
- ❖ Tailstock
- ❖ Turret
- ❖ Hydraulic system
- ❖ Lubrication system
- ❖ Coolant system
- ❖ Full enclosure sheet metal
- ❖ Revolving center
- ❖ Chip conveyor
- ❖ Security door with interlock
- ❖ 3-color signal lamp, working light
- ❖ Soft jaw
- ❖ Tool holder
- ❖ Standard accessories



OPTION

1. 2 stage chuck clamping force
2. Hollow chuck
3. Hollow chuck with hollow cylinder
4. Steady rest / follow rest
5. Tool setter
6. Auto bar feeder
7. Programmable tailstock
8. Spindle enlarged
9. Live sleeve
10. Hard jaw

Specification	Unit	TC15L	TC20L	TC25L		TC30A			TC25MC		TC30AMC
				×500	×1000	×500	×1000	×1500	×500	×1000	×500
Swing over bed	mm	Φ440	Φ420	Φ560	Φ560	Φ650	Φ650	Φ650	Φ580	Φ580	Φ650
Swing over saddle	mm	Φ180	Φ200	Φ300	Φ300	Φ420	Φ420	Φ420	Φ320	Φ320	Φ420
Max.turning dia.	mm	Φ180	Φ320	Φ400	Φ400	Φ500	Φ500	Φ500	Φ360	Φ360	Φ450
Max. turning length	mm	200	360	560	1000	530	1000	1500	500	1000	500
Spindle nose taper		A2-5	A2-5	A2-6	A2-6	A2-8	A2-8	A2-8	A2-6	A2-6	A2-8
Spindle speed	rpm	5000	5000	4500	4500	3500	3500	3500	3500	3500	3500
Chuck size	inch	5	6	8	8	10	10	10	8	8	10
Spindle through dia.	mm	Φ42	Φ42	Φ62	Φ62	Φ76	Φ76	Φ76	Φ62	Φ62	Φ76
X/Z travel	mm	110/240	165/410	210/610	210/1050	260/580	260/1050	260/1550	225/550	255/1050	235/550
X/Z rapid traverse	m/min	30/30	24/30	24/30	24/30	16/20	16/20	16/20	24/30	24/30	24/24
C axis rapid speed	rpm	-	-	-	-	-	-	-	15	15	15
Turret type		HydraulicV8	HydraulicV10	HydraulicV12	HydraulicV12	HydraulicV12	HydraulicV12	HydraulicV12	servo VDI 40	servo VDI 40	servo BMT 65
Tool section	mm	20×20	20×20	25×25	25×25	25×25	25×25	25×25	25×25	25×25	25×25
Milling spindle motor	kW	-	-	-	-	-	-	-	AC3.7/5.5	AC3.7/5.5	AC3.7/5.5
Mill spindle speed	rpm	-	-	-	-	-	-	-	3500	3500	3500
Boring bar dia.	mm	Φ25	Φ32	Φ40	Φ40	Φ40	Φ40	Φ40	Φ40	Φ40	Φ40
Tailstock stroke	mm	230	220	400	720	350	720	1100	300	720	350
Sleeve stroke	mm	90	80	120	120	120	120	120	80	80	120
Sleeve dia.	mm	Φ50	Φ70	Φ100	Φ100	Φ100	Φ100	Φ100	Φ70	Φ70	Φ100
Main motor	kW	AC7/14	AC7.5/11	AC11/15	AC11/15	AC15/18.5	AC15/18.5	AC15/18.5	AC9/11	AC9/11	AC15/18.5
Weight	kg	2000	3000	4400	4900	4600	5300	6000	4500	5000	4700
Machine size (L*W*H)	cm	190×140×170	330×170×180	370×190×190	450×200×190	397×200×195	438×200×195	510×200×195	392×185×195	460×175×199	397×200×195
Control system		Siemens 828D	Fanuc 0i mate-TD	Fanuc 0i mate-TD		Fanuc 0i mate-TD			Fanuc 0i -TD		Fanuc 0i -TD

Typical samples



Crankshaft



Flange



Transition plate