

TAIWAN MACHINE TOOL CO., LTD.

Since its establishment in 1978, TMT has enjoyed over 45 years of successful business. Throughout this time, TMT has continually placed customer satisfaction as first priority, and put considerable devotion into the manufacturing of machine tools.

We mainly manufacture CNC machining equipment such as CNC lathes and machining centers. In our Taiwan headquarters, we have CAD/CAM/CAE design centers, large 3D measuring table, HP laser ball testing device, spindle tester, and much more precision inspection equipment.

Investment in R & D and production is always the first priority. TMT is honored by recognition from all our customers, and our customers' success is our ultimate goal. TMT is the best possible solution for your machinery business.



TMT
Good Choice
and Partner
for You



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2023.06

台灣精品 2022
國家品牌玉山獎
CE
ISO 9001
ISO 14001



Machining Center



TPV Series



Specification										
Description	Unit	TPV-450S	TPV-450E	TPV-450L	TPV-513II	TPV-513A	TPV-603II	TPV-603A	TPV-703II	TPV-703A
Table size	mm	280x350	500x320	600x320	600x420		700x420		850x420	
Max. load capacity	kgf	150	200		200	250	200	250	200	250
X/Y/Z Axis stroke	mm	X:300/450/510, Y:300, Z:300			X:510, Y:400, Z:350/430		X:600, Y:400, Z:350/430		X:700, Y:400, Z:350/430	
Spindle taper	-	BT-30								
Spindle speed	rpm	10000								
Spindle motor	KW(HP)	3.7/5.5(4.9/7.4)								
Servo motor of X/Y/Z axis	KW	1.0/1.5/2.2 (1.2/1.2/3.0)			1.0/1.5/3.0 (1.2/1.2/3.0)					
MITSUBISHI (FANUC)										
Rapid feedrate (X/Y/Z)	m/min	48/48/60			54/54/60	48/48/60	54/54/60	48/48/60	54/54/60	48/48/60
Tool storage capacity	pcs	Armless Type 12T			Armless 12T	Arm 20T	Armless 12T	Arm 20T	Armless 12T	Arm 20T

TG Series



Specification							
Description	Unit	TG-700	TG-700APC	TG-350 5AX	TG-250 5AX	TG-1200	TG-450 5AX
Table size	mm	1280x500	750x450 2 PCS	C axis Ø350	C axis Ø250x2	1700x650	C axis Ø450
Max. load capacity	kgf	700	250x2	200/100 (HV)	75x2/40x2 (HV)	800	200/150 (HV)
X/Y/Z Axis stroke	mm	X:700, Y:450, Z:420			X:1200/650, Y:630, Z:520/480		
Spindle taper	-	BT-40			BT-40		
Spindle speed	rpm	10000			10000		
Spindle motor	KW(HP)	5.5/7.5 (7.4/10.0)			7.5/11 (10.0/14.7)		
Servo motor of X/Y/Z axis	KW	3.0/3.0/3.0			4.0/4.0/4.0		3.0/3.0/3.0
Rapid feedrate (X/Y/Z)	m/min	48/48/48			36/36/36		36/36/36
Tool storage capacity	pcs	22T			32T		40T

TLV Series



Specification							
Description	Unit	TLV-510DII	TLV-510AII	TLV-600DII	TLV-600AII	TLV-700DII	TLV-700AII
Table size	mm	600x450		700x450		800x450	
Max. load capacity	kgf	250		250		250	
X/Y/Z Axis stroke	mm	510/420/400(530)		600/420/400(530)		700/420/400(530)	
Spindle taper	-	BT-40					
Spindle speed	rpm	8000					
Spindle motor	KW(HP)	5.5/7.5 (7.4/10.0)					
Servo motor of X/Y/Z axis	KW	1.5/1.5/3.0					
Rapid feedrate (X/Y/Z)	m/min	48/48/48					
Tool storage capacity	pcs	Armless Type 14T/Arm Type 24T					

Description	Unit	TLV-850II	TLV-1000	TLV-1275	TLV-1475	TLV-1675
Table size	mm	1000x530	1150x530	1350x700	1550x700	1550x700
Max. load capacity	kgf	700	700	1500	1800	1800
X/Y/Z Axis stroke	mm	X: 850/1000, Y: 530, Z: 580				X:1250/1450/1650, Y:750, Z:700
Spindle taper	-	BT-40				
Spindle speed	rpm	10000				
Spindle motor	KW(HP)	11/15 (14.7/20.0)				
Servo motor of X/Y/Z axis	KW	1.8/1.8/3.0				
Rapid feedrate (X/Y/Z)	m/min	36/36/30				
Tool storage capacity	pcs	Arm Type 24T				

TBV Series

Specification										
Description	Unit	TBV-1100	TBV-1300	TBV-1172	TBV-1272	TBV-1472	TBV-1572	TBV-1685	TBV-1885	TBV-2085
Table size	mm	1300x600	1500x600	1300x700	1350x700	1550x700	1550x700	1700x800	1900x800	2100x800
Max. load capacity	kgf	1000	1300	1200	1400	1500	1500	2100	2200	2400
X/Y/Z Axis stroke	mm	X:1100/1300, Y:610, Z:610		X:1100/1200, Y:720, Z:610 (BT-50 680)		X:1400/1500, Y:720, Z:680		X:1600/1800/2000, Y:850, Z:750		
Spindle taper	-	BT-40		BT-40/BT-50 (Opt.)		BT-50		BT-50 Gear Type		
Spindle speed	rpm	8000		8000(BT-50 6000)		6000		6000		
Spindle motor	KW(HP)	11/15(14.6/20.0)		11/15(14.6/20.0)(BT-50 15/18.5(20.0/24.6))		15/18.5 (20.0/24.6)		15/18.5 (20.0/24.6)		
Servo motor of X/Y/Z axis	KW	2.5/2.5/3 (opt. 4/4/4)		4/4/4		4/4/4		7/7/7		7/7/7
Rapid feedrate (X/Y/Z)	m/min	18/18/15 (opt. 24/24/15)		18/18/15 (opt. 24/24/15)		18/18/15 (opt. 24/24/15)		15/15/15		15/15/12
Tool storage capacity	pcs	Arm Type 24T		Arm Type 24T		Arm Type 24T		Arm Type 24T		

CNC Lathe



TTL-G Series



Specification

Description	Unit	TTL-10G	TTL-15G	TTL-10S	TTL-15S	TTL-10M	TTL-15M
Swing over bed	mm	Ø475		Ø475		Ø435	
Max. turning diameter	mm	Ø100		Ø360		Ø250	
Max. working length	mm	225	225	275	250	210	185
Bar capacity	mm	Ø36	Ø42	Ø36	Ø42	Ø36	Ø42
Chuck size/Type of collet chuck	inch	171E	173E	5"	6"	5"	6"
Spindle speed	rpm	6000		6000		6000	
Spindle motor	KW(HP)	5.5/7.5 (7.4/10.0)		5.5/7.5 (7.4/10.0)		5.5/7.5 (7.4/10.0)	

TTL Series



Specification

Description	Unit	TTL-15 Series		TTL-20 Series			
Headstock type	-	A	AL	A	AL	B	BL
Swing over bed	mm	Ø560		Ø560		Ø560	
Max. turning diameter	mm	Ø400		Ø400		Ø400	
Max. working length	mm	300	550	300	550	270	520
Bar capacity	mm	Ø45		Ø52		Ø65	
Chuck size	inch	6"		8"		10"	
Spindle speed	rpm	6000		4200		3500	
Spindle motor	KW(HP)	11/15(14.7/20.0)		11/15(14.7/20.0)		11/15(14.7/20.0)	

Description	Unit	TTL-15M/MY Series		TTL-20M/MY Series			
Headstock type	-	ALM	ALMY	ALM	ALMY	BLM	BLMY
Swing over bed	mm	Ø560	Ø670	Ø560	Ø670	Ø560	Ø670
Max. turning diameter	mm	Ø380	Ø300	Ø380	Ø300	Ø380	Ø300
Max. working length	mm	470	450	470	450	440	420
Bar capacity	mm	Ø45		Ø52		Ø65	
Chuck size	inch	6"		8"		10"	
Y axis stroke	mm	-	±50	-	±50	-	±50
Spindle speed	rpm	6000		4200		3500	
Spindle motor	KW(HP)	7.5/11(10/14.7)		7.5/11(10/14.7)		11/15(14.7/20.0)	

TTB-20 Series



Specification

Description	Unit	TTB-20 Series						TTB-20M Series		
Headstock type	-	A	AL	B	BL	C	CL	ALM	BLM	CLM
Swing over bed	mm	Ø560						Ø560		
Max. turning diameter	mm	Ø430				Ø360		Ø400		
Max. working length	mm	300	600	270	570	300	600	500	470	500
Bar capacity	mm	Ø52		Ø65		Ø75		Ø52	Ø65	Ø75
Chuck size	inch	8"		10"		10"		8"	10"	10"
Spindle speed	rpm	4200		3500		3000		4200	3500	3000
Spindle motor	KW(HP)	11/15(14.7/20.0)				15/18.5 (20/25)		7.5/11 (10/14.7)	11/15 (14.7/20)	15/18.5 (20/25)

Description	Unit	TTB-20MY Series			TTB-15/20MW Series			TTB-15/20MYW Series		
Headstock type	-	ALMY	BLMY	CLMY	AMW	AMW	BMW	AMYW	AMYW	BMYW
Swing over bed	mm	Ø670			Ø850			Ø850		
Max. turning diameter	mm	Ø300			Ø360			Ø300		
Max. working length	mm	500	470	500	610	600	570	610	600	570
Bar capacity	mm	Ø52	Ø65	Ø75	Ø45/Ø45	Ø52/Ø45	Ø65/Ø45	Ø45/Ø45	Ø52/Ø45	Ø65/Ø45
Chuck size	inch	8"	10"	10"	6"/6"	8"/6"	10"/6"	6"/6"	8"/6"	10"/6"
Y axis stroke	mm	±50	±50	±50	-	-	-	±50	±50	±50
Spindle/Sub-Spindle speed	rpm	4200	3500	3000	5500/5500	4200/5500	3500/5500	5500/5500	4200/5500	3500/5500
Spindle/Sub-Spindle motor	KW(HP)	7.5/11 (10/14.7)	11/15 (14.7/20)	15/18.5 (20/25)	11/15(14.7/20.0)/7.5/11(10.0/14.7)	11/15(14.7/20.0)/7.5/11(10.0/14.7)		11/15(14.7/20.0)/7.5/11(10.0/14.7)	7.5/11(10.0/14.7)	

TTB-25 Series



Specification

Description	Unit	TTB-25 Series		TTB-25M Series	
Headstock type	-	A	AL	AM	ALM
Swing over bed	mm	Ø600	Ø600	Ø600	Ø600
Max. turning diameter	mm	Ø450	Ø450	Ø380	Ø380
Max. working length	mm	610	1100	510	1000
Bar capacity	mm	Ø75	Ø75	Ø75	Ø75
Chuck size	inch	10"	10"	10"	10"
X/Z axis stroke	mm	X:225+25, Z:660	X:225+25, Z:1150	X:190+30, Z:590	X:190+30, Z:1080
Spindle speed	rpm	3000	3000	3000	3000
Spindle motor	KW(HP)	15/18.5 (20/25)	15/18.5 (20/25)	15/18.5 (20/25)	15/18.5 (20/25)

TLD/TLT-MYW Series



Specification

Description	Unit	TLD-150AMYW	TLD-200AMYW	TLD-200BMYW	TLT-150AMYW	TLT-200AMYW	TLT-200BMYW
Max. turning diameter	mm	Ø330	Ø330	Ø330	Ø330	Ø330	Ø330
Max. working length	mm	570	570	570	570	570	570
Bar capacity	mm	Ø45	Ø52	Ø65	Ø45	Ø52	Ø65
Chuck size	inch	6"/6"	8"/8"	8"(B)/8"(B)	6"/6"	8"/8"	8"(B)/8"(B)
Y1/Y2 axis stroke	mm	±50/-	±50/-	±50/-	±50/±50	±50/±50	±50/±50
Spindle/Sub-Spindle speed	rpm	6000/6000	4200/4200	4000/4000	6000/6000	4200/4200	4000/4000
Spindle/Sub-Spindle motor	KW(HP)	11/15 (14.7/20)/7.5/11(10/14.7)			7.5/11(10/14.7) / 7.5/11(10/14.7)		

TTB-30 Series



Specification

Description	Unit	TTB-30/M Series									
Headstock type	-	A/AM			B/BM			C/CM			
Swing over bed	mm	Ø680		Ø660	Ø680		Ø660	Ø680		Ø660	
Max. turning diameter	mm	Ø500/Ø430			Ø500/Ø430			Ø500/Ø430			
Max. working length	mm	750/590	1150/990	1650/1490	2150/1990	740/570	1140/970	1640/1470	2140/1970	710/550	1100/950
Distance between centers	mm	800	1200	1700	2200	800	1200	1700	2200	800	1200
Bar capacity	mm	Ø78			Ø91			Ø117			
Chuck size	inch	10"/12" (Opt.)			12"/15" (Opt.)			15"/18" (Opt.)			
Spindle speed	rpm	3000			2500			2000			
Spindle motor	KW(HP)	15/18.5 (20/25)			15/18.5 (20/25)			30: 22/26 (30/35); 30M: 15/18.5 (20/25)			

Description	Unit	TTB-30MY Series											
Headstock type	-	AMY				BMY				CMY			
Swing over bed	mm	Ø910				Ø910				Ø910			
Max. turning diameter	mm	Ø450				Ø450				Ø450			
Max. working length	mm	615	1015	1515	2015	600	1000	1500	2000	575	975	1475	1975
Distance between centers	mm	800	1200	1700	2200	800	1200	1700	2200	800	1200	1700	2200
Bar capacity	mm	Ø78				Ø91				Ø117			
Chuck size	inch	10"/12" (Opt.)				12"/15" (Opt.)				15"/18" (Opt.)			
Y axis stroke	mm	±70				±70				±70			
Spindle speed	rpm	3000				2500				2000			
Spindle motor	KW(HP)	15/18.5 (20/25)											

TTB-36 Series



Specification

Description	Unit	TTB-36 Series						TTB-36M Series					
Headstock type	-	A			B			AM			BM		
Swing over bed	mm	Ø650	Ø650	Ø700	Ø650	Ø650	Ø700	Ø650	Ø650	Ø700	Ø650	Ø650	Ø700
Max. turning diameter	mm	Ø550			Ø550			Ø420			Ø420		
Max. working length	mm	780	1530	2280	765	1515	2265	695	1445	2195	680	1430	2180
Distance between centers	mm	890	1640	2390	890	1640	2390	890	1640	2390	890	1640	2390
Bar capacity	mm	Ø89			Ø116			Ø89			Ø116		
Chuck size	inch	12"/15" (Opt.)			15"/18" (Opt.)			12"/15" (Opt.)			15"/18" (Opt.)		
Spindle speed	rpm	2500			1650			2500			1650		
Spindle motor	KW(HP)	22/26 (30/35)			22/26 (30/35)			18.5/22 (25/30)			18.5/22 (25/30)		

TTB-40/45 Series



Specification

Description	Unit	TTB-40/M Series					
Headstock type	-	A/AM		B/BM		C/CM	
Swing over bed	mm	Ø860		Ø860		Ø860	
Max. turning diameter	mm	Ø550/Ø650		Ø550/Ø650		Ø550/Ø650	
Max. working length	mm	1480/1400	2230/2150	1465/1385	2215/2135	1200/1100	1950/1850
Distance between centers	mm	1640	2390	1640	2390	1300	2050
Bar capacity	mm	Ø89		Ø116		Ø165	
Chuck size	inch	15"		15" /15"B (Opt.)		18"B /21"(Opt.)	
Spindle speed	rpm	2500		1650		1000	
Spindle motor	KW(HP)	TTB-40: 22/26 (30/35); TTB-40M: 18.5/22 (25/30)				30/37(40 0/49.5)	