

T170A/T200A/T250A

vertical boring machine

This serial model can be widely used in boring automobile engine cylinders, cylinder sleeves of diesel engines and compressors, as well as various high precision holes boring.

T: boring cylinder hole.

Technical Specifications		Unit	T170A	T200A	T250A
Model		mm	φ 170	φ 200	φ 250
Max. boring diameter		mm	400	500	500
Max. boring depth		mm		φ 30	
Max. drilling & reaming diameter		mm		120-860	
Spindle speed		r/min		14-900	
Feeding of the spindle		mm/min		1000	
Rapid moving speed of the spindle		mm/min		700	
Spindle travel		mm		0-700	
Distance between spindle end face and table		mm		375	
Distance between spindle axis and carriage vertical plane		mm		1500	
Max. longitudinal travel of working table		mm		200	
Working table size (W×L)		mm	500x1250	500x1500	500x1500
Quantity of "T" Slot		qua.		5	
Boring Precision	Dimension Precision		H7		
	Boring roughness	um	Ra 2.5		
Main motor		Kw	5.5		
Overall dimensions (L×W×H)		mm	2600x1630x2300		
Packing dimensions (L×W×H)		mm	2250x1900x2280		
N.W./G.W.		kg	3300/3600	3500/3800	3500/3800



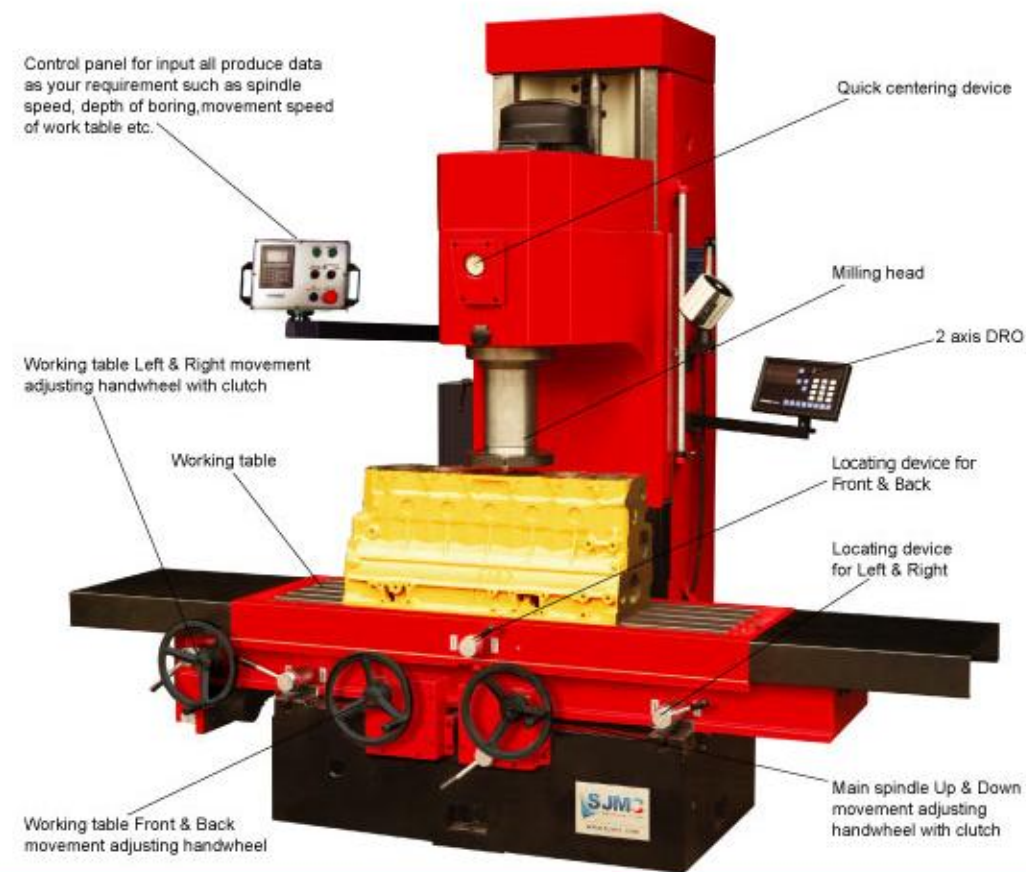
TX170A/TX200A/TX250A

vertical boring-milling machine

This serial model can be widely used in boring automobile engine cylinders, cylinder sleeves of diesel engines and compressors, as well as various high precision holes boring, surface milling of other workpieces.

TX: boring hole, grinding and milling surface.

Technical Specifications		Unit	TX170A	TX200A	TX250A
Model		mm	φ 170	φ 200	φ 250
Max. boring diameter		mm	400	500	500
Max. boring depth		mm		400x1000	
Max. milling area		mm		φ 30	
Max. drilling & reaming diameter		mm		120-860	
Spindle speed		r/min		14-900	
Feeding of the spindle		mm/min		1000	
Rapid moving speed of the spindle		mm/min		700	
Spindle travel		mm		0-700	
Distance between spindle end face and table		mm		375	
Distance between spindle axis and carriage vertical plane		mm		1500	
Longitudinal feed of work table		mm/min		32-1350	
Rapid moving speed of the table longitudinal travel		mm/min		32-1350	
Max. longitudinal travel of working table		mm		1500	
Max. cross travel of the working table		mm		200	
Working table size (W×L)		mm	500x1250	500x1500	500x1500
Processing roughness	Boring	um	Ra 2.5		
	Milling	um	Ra 3.2		
Main motor		Kw	5.5		
Overall dimensions (L×W×H)		mm	2600x1630x2300		
Packing dimensions (L×W×H)		mm	2250x1900x2280		
N.W./G.W.		kg	3300/3600	3500/3800	3500/3800



TXM170A/TXM200A/TXM250A

vertical boring & grinding-milling machine

This serial model can be widely used in boring automobile engine cylinders, cylinder sleeves of diesel engines and compressors, as well as various high precision holes boring, surface milling grinding of other workpieces.

TXM: boring hole, grinding and milling surface.

Technical Specifications		Unit	TXM170A	TXM200A	TXM250A
Model		mm	φ 170	φ 200	φ 250
Max. boring diameter		mm	400	500	500
Max. boring depth		mm		400x1000	
Max. grinding area		mm		φ 30	
Max. milling area		mm		120-1200	
Max. drilling & reaming diameter		mm		14-900	
Spindle speed		r/min		1000	
Feeding of the spindle		mm/min		700	
Rapid moving speed of the spindle		mm/min		0-700	
Spindle travel		mm		375	
Distance between spindle end face and table		mm		1500	
Distance between spindle axis and carriage vertical plane		mm		200	
Longitudinal feed of work table		mm/min		32-1350	
Rapid moving speed of the table longitudinal travel		mm/min		32-1350	
Max. longitudinal travel of working table		mm		1500	
Max. cross travel of the working table		mm		200	
Working table size (W×L)		mm	500x1250	500x1500	500x1500
Main motor	Boring	Kw	5.5		
	Milling	Kw	5.5		
Processing roughness	Boring	um	Ra 2.5		
	Milling	um	Ra 3.2		
Overall dimensions (L×W×H)	Boring	um	Ra 0.8		
	Grinding	um	Ra 0.8		
Overall dimensions (L×W×H)		mm	2600x1630x2300		
Packing dimensions (L×W×H)		mm	2250x1900x2280		
N.W./G.W.		kg	3300/3600	3500/3800	3500/3800



Accessories

vertical boring machine T / TX / TXM series

BS-0  universal spindle stand	BS-150  boring spindle φ 150 (φ 151-φ 250mm)	BS-110  boring spindle φ 110 (φ 111-φ 200mm)	BS-75  boring spindle φ 75 (φ 76-φ 170mm)
B-55  boring bar φ 55 (φ 56-φ 80mm)	T-1  drilling & reaming chuck	FX-1  quick fixture for cylinder	M-250  milling head φ 250
B-40  boring bar φ 40 (φ 41-φ 60mm)	T-2  tool measuring device	FX-2  V-fixture	G-320  grinding head φ 320
B-20  boring bar φ 20 (φ 21-φ 42mm)	T-3  inner micrometer	FX-3  universal fixture for cylinder and head	DRO  digital readout
TXM-1  cooling box	TXM-2  splash guard		

Table of Standard and Optional Accessories

Model	Standard Accessories	Optional Accessories
T170A	BS-75, T-2	BS-0, B-55, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
T200A	BS-110, T-2	BS-0, BS-75, B-55, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
T250A	BS-150, T-2	BS-0, BS-110, BS-75, B-55, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
TX170A	BS-0, BS-75, B-55, M-250, T-2	B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
TX200A	BS-0, BS-110, B-55, M-250, T-2	BS-75, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
TX250A	BS-0, BS-150, B-55, M-250, T-2	BS-110, BS-75, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
TXM170A	BS-0, BS-75, B-55, M-250, G-320, T-2, TXM-1, TXM-2	B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
TXM200A	BS-0, BS-110, B-55, M-250, G-320, T-2, TXM-1, TXM-2	BS-75, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO
TXM250A	BS-0, BS-150, B-55, M-250, G-320, T-2, TXM-1, TXM-2	BS-110, BS-75, B-40, B-20, T-1, T-3, FX-3, FX-2, FX-1, DRO

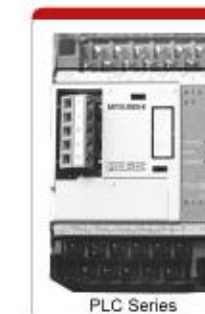
Upgrade Services:

You can buy relative accessories to upgrade your machines.

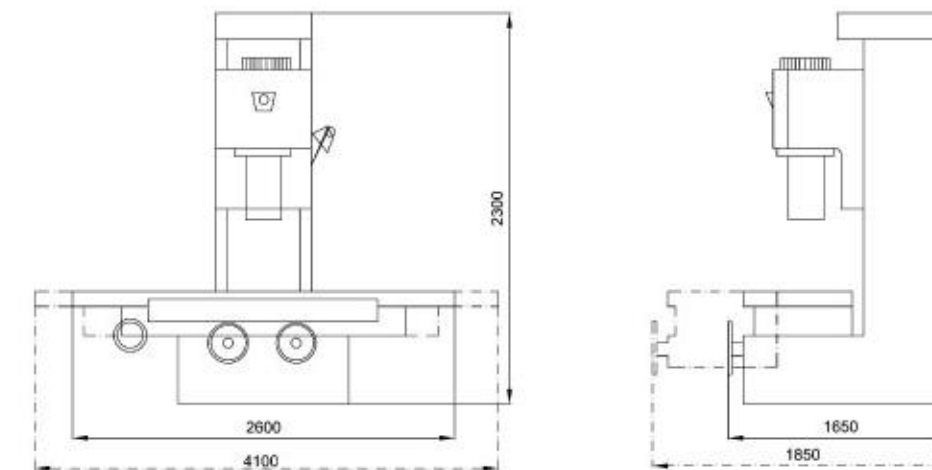
T SERIES + TX PLC + M250 **UPGRADE** TX SERIES

T SERIES + TXM PLC + M250 + G320 + TXM-1 + TXM-2 **UPGRADE** TXM SERIES

TX SERIES + M PLC + G320 + TXM-1 + TXM-2 **UPGRADE** TXM SERIES



PLC Series



Structural Features:

- Stepless of spindle turning, feeding and table travelling
- Digital readout of spindle turning, feeding and table travelling
- Longitudinal and cross movement of table
- Complete set of accessories of boring, grinding, milling, drilling & reaming and easy exchange
- Spindle fast centering device
- Tool measuring device
- Boring depth control device
- Table with digital readout for jig borer

Steady function, low noise, operation convenient, Great innovation made in the traditional vertical fine boring machine

Service Recommended:

Automobile and motorcycle repairing, Diesel engine and sleeve manufacturing, Other similar products.

Application:

Fine boring Cylinder & sleeve hole and other precision hole
Grinding Cylinder surface and other surface
Milling Top surface and other surface
Drilling & reaming Small-sized hole