

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

Model	Unit	T170A	T200A	T250A
Max. boring diameter	mm	Φ 170	Φ 200	Φ 250
Max. boring depth	mm	400	500	500
Max. drilling & reaming diameter	mm	Φ 30		
Spindle speed	r/min	120-860		
Feeding of the spindle	mm/min	14-900		
Rapid moving speed of the spindle	mm/min	1000		
Spindle travel	mm	700		
Distance between spindle end face and table	mm	0-700		
Distance between spindle axis and carriage vertical plane	mm	375		
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
Quantity of "T" Slot	qua.	5		
Boring Precision	Dimension Precision	H7		
	Boring roughness	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 & milling surface.

Technical Specifications

Model	Unit	TX170A	TX200A	TX250A
Max. boring diameter	mm	Φ 170	Φ 200	Φ 250
Max. boring depth	mm	400	500	500
Max. milling area	mm	400x1000		
Max. drilling & reaming diameter	mm	Φ 30		
Spindle speed	r/min	120-860		
Feeding of the spindle	mm/min	14-900		
Rapid moving speed of the spindle	mm/min	1000		
Spindle travel	mm	700		
Distance between spindle end face and table	mm	0-700		
Distance between spindle axis and carriage vertical plane	mm	375		
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	Ra 2.5		
	Milling	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

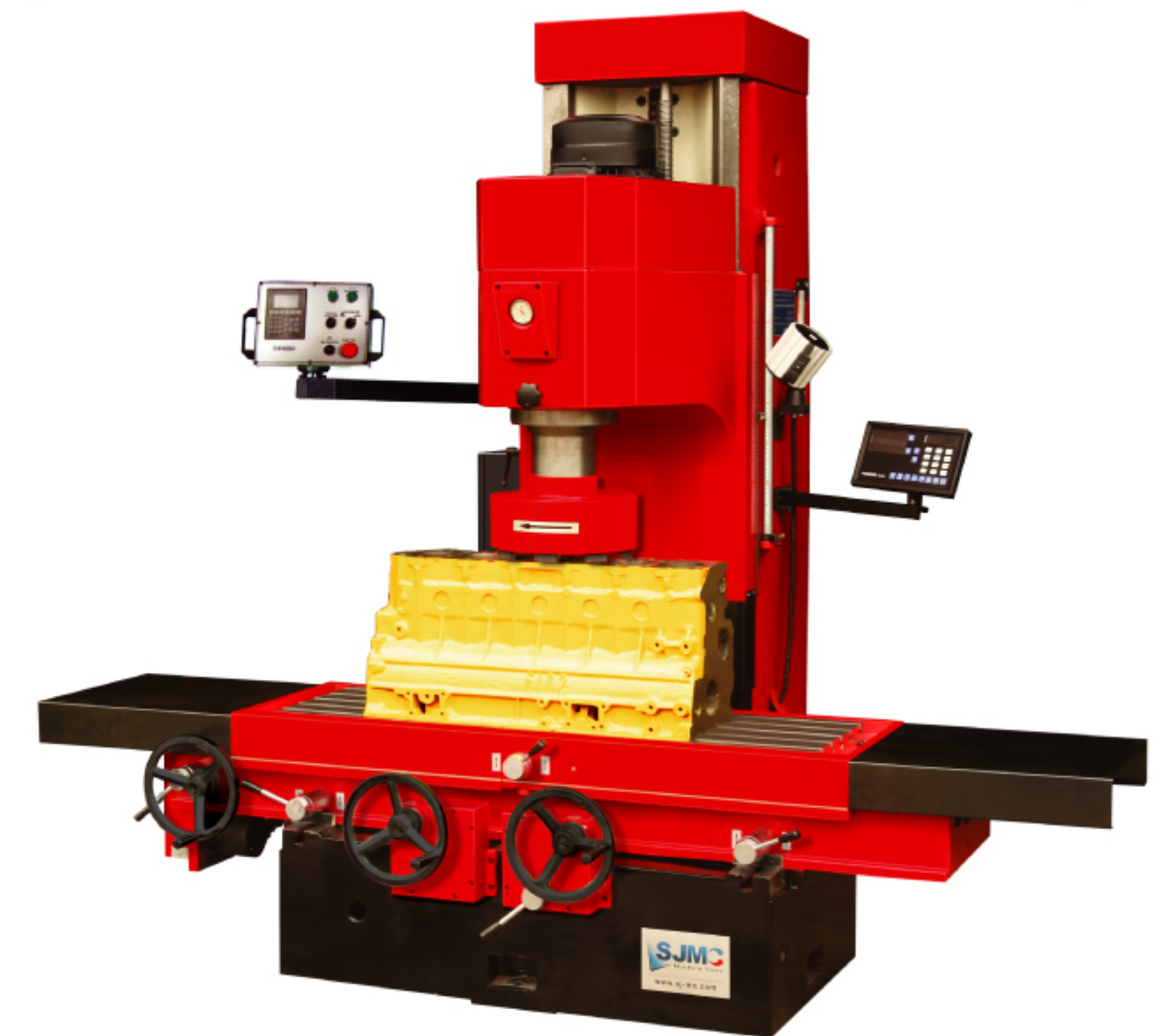
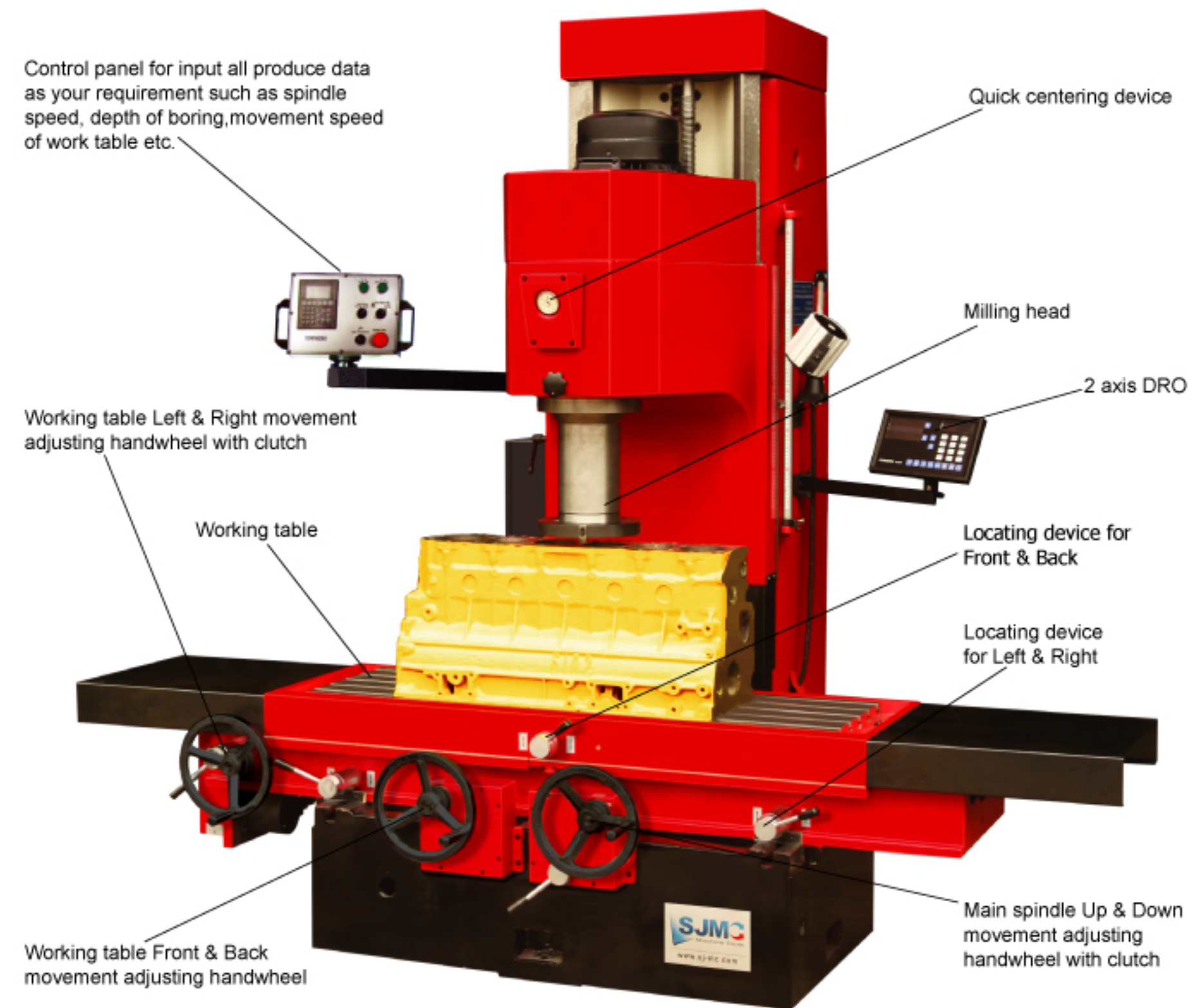
TXM170A/TXM200A/TXM250A

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

Model	Unit	TXM170A	TXM200A	TXM250A
Max. boring diameter	mm	Φ 170	Φ 200	Φ 250
Max. boring depth	mm	400	500	500
Max. grinding area	mm	400x1000		
Max. milling area	mm	400x1000		
Max. drilling & reaming diameter	mm	Φ 30		
Spindle speed	r/min	120-1200		
Feeding of the spindle	mm/min	14-900		
Rapid moving speed of the spindle	mm/min	1000		
Spindle travel	mm	700		
Distance between spindle end face and table	mm	0-700		
Distance between spindle axis and carriage vertical plane	mm	375		
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		5.5		
		Kw		
Processing roughness	Boring	Ra 2.5		
	Milling	Ra 3.2		
	Grinding	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

Boring machine for cylinder

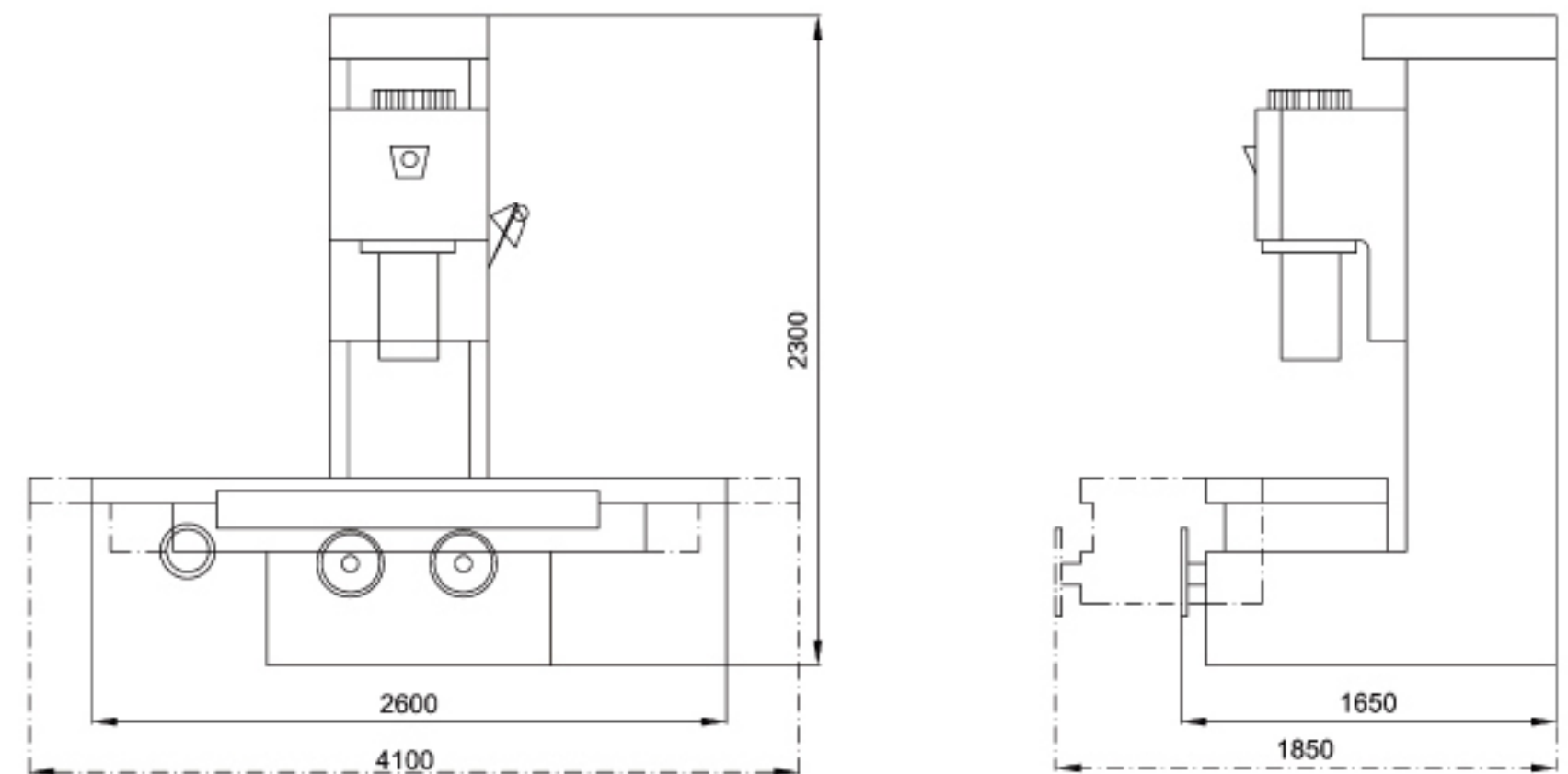
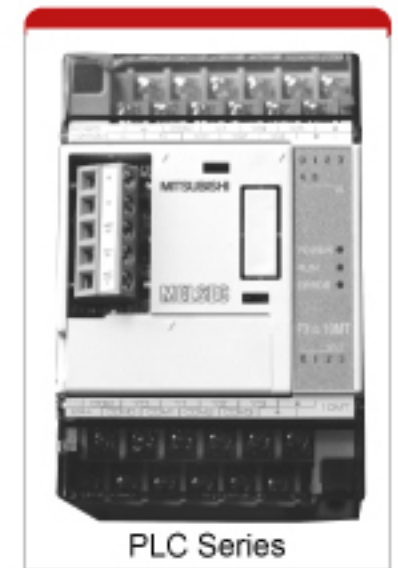
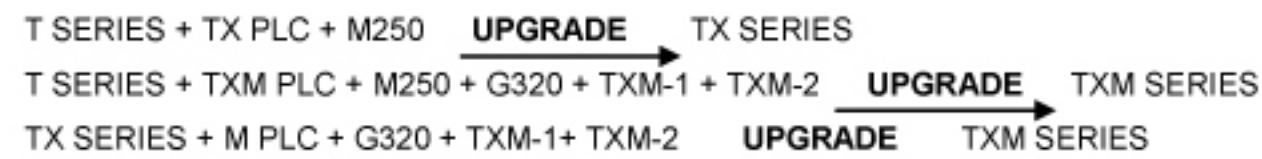
BS-0  universal spindle stand	BS-150  boring spindle Φ150 (Φ151-Φ250mm)	BS-110  boring spindle Φ110 (Φ111-Φ200mm)	BS-75  boring spindle Φ75 (Φ76-Φ170mm)
B-55  boring bar Φ55 (Φ56-Φ80mm)	T-1  drilling & reaming chuck	FX-1  quick fixture for cylinder	M-250  milling head Φ250
B-40  boring bar Φ40 (Φ41-Φ60mm)	T-2  tool measuring device	FX-2  V-fixture	G-320  grinding head Φ320
B-20  boring bar Φ20 (Φ21-Φ42mm)	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.



Structural Features:

1. Stepless of spindle turning, feeding and table travelling
2. Digital readout of spindle turning, feeding and table travelling
3. Longitudinal and cross movement of table
4. Complete set of accessories of boring, grinding, milling, drilling & reaming and easy exchange
5. Spindle fast centering device
6. Tool measuring device
7. Boring depth control device
8. 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