



TX6111D DRO Horizontal Boring and Milling Machine

Features of TX6111D DRO Horizontal Boring and Milling Machine

- 1. TX6111D DRO Horizontal Boring and Milling Machine is of table-type layout, with column mounted on the bed and a side spindle head; guideway of the lower saddle is of cross structure.**
- 2. A manual optical positioning device for at every 4x90° positioning of the table is provided for some models.**
- 3. Some models positioned by a circular grating scale may make the table indexing continuously 360°;**
- 4. Machine bed with larger specifications is added with integral auxiliary guideway;**
- 5. Spindle system consists of three-layer structure, facing head spindle, hollow spindle and boring spindle;**
- 6. The boring spindle is of high quality nitride steel 38CrMoAlA; the hollow spindle is of high quality alloy steel; the spindle is of high structure rigidity and accuracy;**
- 7. The spindle with disk spring clamping and hydraulic unclamping makes tool handling easy;**
- 8. Control system is provided with Mitsubishi PLC DRO unit and measuring elements are from SINO or NEWALL;**

Applications of TX6111D DRO Horizontal Boring and Milling Machine

Fortune Pacific TX6111D DRO Horizontal Boring and Milling Machine are used for rough and fine boring and milling large-sized and medium-sized parts. Table is provided with an optical device for positioning at every 4x90° and can meet needs of in-line boring of parts with the table being turned for 180°. With integral inserted steel guideway, the structure rigidity of the machine is increased as a result. The spindle with disk spring clamping and hydraulic unclamping makes tool handling easy. Machine is provided with PLC, X and Y axes are provided with grating DRO unit, and reading accuracy is 0.005mm.

Technical parameters of TX6111D DRO Horizontal Boring and Milling Machine

Main parameters	Unit	TX6111D
Spindle diameter	mm (in)	Φ110 (4.3")
Spindle taper		ISO 50
Spindle speed	r/min	18 steps; 9-1000
Main motor power	kW	7.5
Max drilling capacity of spindle	mm (in)	65 (2.6")
Max boring capacity of spindle	mm (in)	300 (12")
Speed of facing head	r/min	14 steps; 6-221
Travel of facing head slide	mm (in)	170 (6.7")
Max boring capacity of facing head	mm (in)	600 (24")
Table size (L x W)	mm (in)	1100x1000 (43"x39")
Max load of table	kg	2500
Transverse travel of table	mm (in)	1000 (39")
Vertical travel of spindle head	mm (in)	900 (35")
Longitudinal travel of table	mm (in)	1400 (55") (equipped with end support)
Axial travel of spindle	mm (in)	600 (24")
Range of axes speed per spindle rotation	mm/rev	0.04-6 12steps
DRO		X, Y
Overall dimension (L x W x H)	mm (in)	5200 x 2350 x 3035 (205"x93"x119")
Net weight	kg	18300