

Chester Single Column Vertical Boring Machines



FEATURES

- Servo motor with TBI ballscrew for X&Z axis feeding, sample structure with more stable function.
- High grade cast iron structure for super stability, reliability & longer machine life,
- Centralized operation button panel
- Worktable table with manual 4-jaw chuck with chucking jaws,
- Square toolpost on vertical heads, especially suitable for deep hole machining,
- High precision bearings in table speed change gearbox,
- Forged shafts used in the table speed change gear box,
- High precision gears in table speed change gearbox (Class 6) for smooth running & less machine noise,
- Manual centralized compulsory lubrication system
- High reliable ABB electrics
- High quality hydraulic valves for reliable functioning
- Planetary gearbox for ballscrew
- High accurate & heavy load spindle bearings (P5 class),
- Quenched, tempered & ground guideways on ram,
- Reliable hydraulic power pack unit, easier for adjustment & maintenance,
- Hydrostatic working table with constant flow hydraulic power supply,
- Hydraulic clamping of cross beam on the column for heavy duty cutting,
- Ram made of high grade cast iron for better dynamic performance & longer life,
- Wear-resistant industrial material coating on the travelling guideways and wear-resistant Zinc-Aluminum alloy strips engraved in the table guideways for longer machine life,
- Reliable PLC control (OMRON-Japan) integrated in the electrical system for easier control,
- Affluent safety & protection setting-ups & interlocks are integrated with the machine, etc.

Model	VB1250-S	VB1600-S	VB2000-S	VB2300-S	VB2600-S
Max. Vertical Turret Cutting Diameter	1250mm	1600mm	2000mm	2300mm	2600mm
Max. Side turret Cutting Diameter (Optional)	1100mm	1400mm	1800mm	2000mm	2400mm
Diameter of Worktable	1000mm	1400mm	1800mm	2000mm	2250mm
Max. Height of Workpiece	1000mm	1200mm	1250mm	1400mm	1600mm
Max. Weight of Workpiece	3ton	5ton	8ton	8ton	10ton
Speed Range	2-200r/min	5-160r/min	3.2-100r/min	3.2-100r/min	2-63r/min
Number of Speeds	16step	16step	16step	16step	16step
Vertical/Side Turret Feeding Range	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min
Vertical Turret Traverse- Horizontal	700mm	915mm	1115mm	1200mm	1500mm
Vertical Turret Traverse - Vertical	650mm	800mm	800mm	800mm	1000mm
Side Turret Traverse - Horizontal (Optional)	630mm	630mm	630mm	630mm	630mm
Side Turret Traverse - Vertical (Optional)	900mm	900mm	900mm	900mm	900mm
Cross Rail Traverse	650mm	650mm	890mm	1050mm	1240mm
Power of Main Motor	22kw (29.48hp)	22kw (29.48hp)	22kw (29.48hp)	30kw (40.20hp)	30kw (40.20hp)

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.