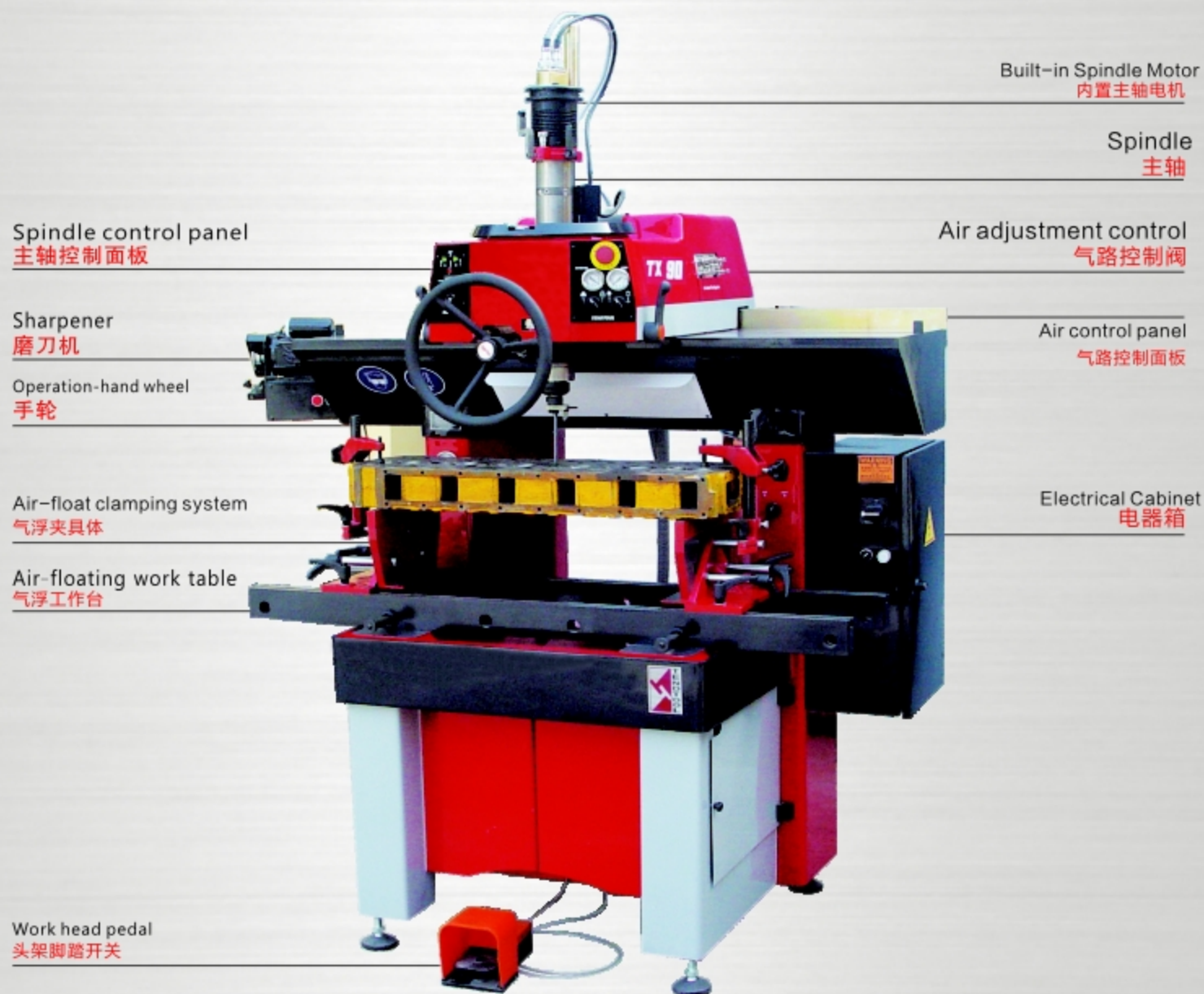




VALVE SEAT BORING MACHINE MODEL:TX 90

High precision valve seat and valve guide cutting machine especially designed for multi-valve cylinder heads. Patented workhead with triple air-float patented centering system and built-in spindle motor.

高精度气门座镗床 型号: TX90

高实用性气门座镗床满足对高精度气门导管和气门座的镗铰和切削加工。专利设计轻型镗头配三重气浮装置、自对中系统及一体化电机主轴。

规格参数

SPECIFICATION

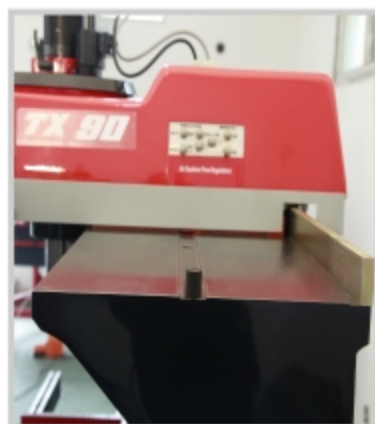
加工能力	Machine capabilities		
汽缸盖最长尺寸	Max. length of the cylinder head	mm / inch	无限制/Unlimitde
汽缸盖最宽尺寸	Max. width of the cylinder head	mm / inch	500 / 19.7
汽缸盖最高尺寸	Max. height of the cylinder head	mm / inch	450 / 17.7
横向工件倾斜角度	Crosswise work piece tilting	degrees	+45°-15°
加工范围 (最小到最大)	Machining capacity dia. (min-max)	Φmm / inch	16-90/0.6-3.6
自对中镗头行程	Work head displacement		
纵向	Lengthwise	mm / inch	930 / 37
横向	Crosswise	mm / inch	40 / 1.6
球形汽缸行程	Sphere-Cylinder travel	mm / inch	9 / 0.4
主轴	Spindle		
主轴最大倾斜角度	Max.spindle incination	degrees	5
主轴行程	Spindle Travel	mm / inch	200 / 8
主轴电机功率	Power of the spindle	Kw	1.8
主轴转速	Spindle rotation speed	rpm	0-1000
外设	Alimentations		
电源	Electric supply	380V/50Hz 3Ph OR 220V/60Hz 3Ph	
气压	Air pressure	bar / psi	6 / 87
最大气流	Max. air flow	l/mn -CFM	300 / 11
噪音等级400RPM下	Level of noise at 400 RPM	dba	72
1200RPM下	Level of noise at 1200 RPM	dba	82
净重 (约)	Net weight (approx.)	kg / lbs	1050 / 2310
床身尺寸	Machine space requirements		
长	Length	mm / inch	1440 / 56.7
宽	Width	mm / inch	1050 / 41.3
高	Height	mm / inch	2170 / 85.4



气路控制阀
Air adjustmant control



真空检测开关
Vacuum tester



气浮导轨
Air float upper beam



气浮夹具体
Air-float clamping system



主轴控制面板
Spindle control panel



气路控制面板
Air control panel

Features

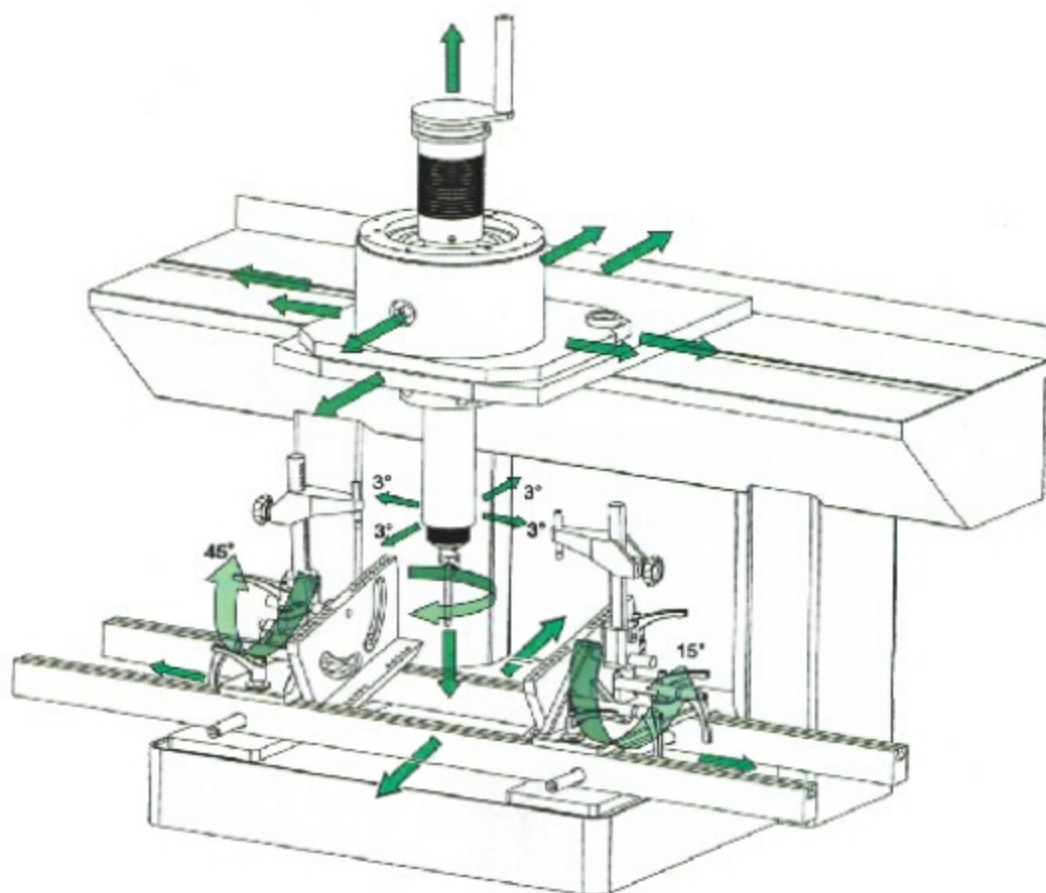
- Featuring the new generation of valve seat boring. Provides more than a 30% decrease of cutting forces during Machining. Angular accuracy within ± 0.5 degree guaranteed on multi-angle cutter.
- Machining capacity from 0.6"/16 mm to 3.6"/90 mm.
- Modern modular machine bed design for improved rigidity. Computer enhanced static and dynamic characteristics provide The latest in machining technology.
- New improved lighting system.
- New table bars with pneumatic locking.
- Fully integrated spindle motor, Infinitely variable speed 0 to 1000 RPM, with sensorless Vector Flux Control. Forward and reversedirections. Extremely broad torque ratings from lowest RPM with constant torque spindle rotation. Digital RPM read-out for accurate speed setting.

- Patented Workhead with triple Air-Float Automatic Centering System and built-in spindle motor. Greatly reduces the number of free-floating parts during the centering sequence. Results in minimal work-head inertia and maximal floatation for unmatched centering sensitivity.
- High quality smooth, 3 tone paint work.

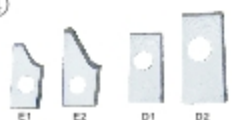
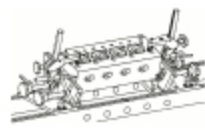
产品特性

- 具有新一代气门座镗床的优异特性，使加工过程节省切削力达30%，保证复合角度刀片角度准确性在 $\pm 0.5^\circ$ 范围。
- 加工能力：16mm/0.6"-90mm/3.6"。
- 现代化的标准床身设计以适应改进后的刚性。动静态特点经计算机优化，以提供最先进的加工工艺。
- 新改进的照明系统。
- 新式工作台气动锁定。
- 主轴电机一体化设计，矢量变频控制，主轴转速0-1000RPM双向无级变速。极其宽广的扭矩设定范围，可实现最低转速下的主轴旋转转矩恒定。数显转速，确保精确速度设定。
- 专利设计的镗头带三向气浮自对中系统及一体化电机主轴。大大减少了自动对中环节气浮零件数量。最小的镗头惯性，最大的气浮能力，确保了设备在对中环节无与伦比的灵敏性。
- 高质量三色饱和喷漆。

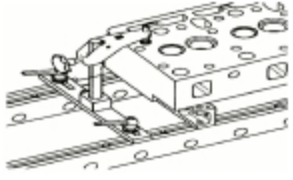
三重气浮系统/ Triple air-cushion system



标准附件/STANDARD ACCESSORIES

①  刀柄5700/5710 5700/5710 Tool holder	②  刀座2700/2710/2711 2700/2710/2711 Bit holder	③  芯轴 $\phi 4.98 \sim \phi 9.48$ $\phi 4.98 \sim \phi 9.48$ Carbide pilot	④  刀片 Carbide bit
⑤  对刀器4200 Tool setting device 4200	⑥  水准仪 TX90 leveling device	⑦  专用扳手 Allen wrench	⑧  真空检测 Vacuum Pad
⑨  磨刀机 Sharpener	⑩  使用手册 TX90 manual book	⑪  万能夹具体 Universal Clamping system	⑪  万能夹具体 Universal Clamping system

可选附件/OPTIONAL ACCESSORIES

①  刀柄 T5731 Tool holder T5731	②  刀座 T2730 Bit holder T2730	③  Rn 绞刀 Reamer Rn type	④  锁紧刀柄 T3100 TD-ER20CNER-32 chuck holder (together use with precision chuck T3100)
⑤  弹簧夹头 TD-ER20SC TD-ER20SC spring chuck	⑥  过滤套 T3200 T3200 Adaptor for morse	⑦  扳手 TD-ER20SW TD-ER20SW spanner wrench	⑧  座圈精度表 valve seat run-out gauge
⑨  平缸盖夹具体 Flat cylinder head fixture	⑩  长夹棒 long clamping bar	⑪  平行块 U Block	⑪  平行块 U Block

备注：具体数量参照随机装箱单。

Please refer to the packing list for detailed QTY of acc's supplied with machine.