

# CONTENTS 目录

Crankshaft Grinding Machine 曲轴磨床	1-4
Camshaft Grinding Machine 凸轮轴磨床	5
Cylinder Boring Machine 镗缸机	6-12
Cylinder Boring & Honing Machine 镗磨缸机	13
Valve Seat Boring Machine 气门座镗床	14-16
Cylinder Block Grinding & Milling Machine 缸体缸盖平面磨铣床	17-18
Line Boring Machine 缸体轴瓦镗床	19-20
Con-Rod Boring Machine 连杆瓦镗床	21
Con-Rod Boring & Grinding Machine 连杆瓦镗磨床	22
Cylinder Honing Machine 珩磨机	23-26
Brake Drum/Disc Cutting Machine 制动鼓盘切削机	27-28
On car Brake Disc Cutting Machine 就车式制动盘切削机	29
Vertical Brake Drum Cutting Machine 立式制动鼓切削机	30
Brake Riveting Machine 制动蹄片铆接机	31
Working Station & Pressure Tester 缸盖弹簧拆装机 & 缸盖测漏机	32
Flywheel Grinding Machine 飞轮盘磨床	33
Aluminum - Rim Straightening Machine 轮毂修复机	34
Hydraulic Press Machine 油压机	35-36
Portable Maintenance Machine 辅助维修设备	37
Automobile Four-wheel Locator 四轮定位仪	38
Fuel Pump Test Bench 喷油泵试验台	39-42
Fuel Injector Cleaner & Analyzer 喷油嘴检测清洗仪	43-44
Two Post Lifter 双柱举升机	45-46
Four Post Lifter 四柱举升机	47-49
Scissor Lifter 剪式举升机	50
Single post lifter & Motorcycle Lifter 单柱举升机	51
Tyre Changer 扒胎机	52-53
Wheel Balancer 车轮平衡机	54-55
Spray Booth 烤漆房	56



# MQ8260A Series Crankshaft Grinding Machine 曲轴磨床

## Features

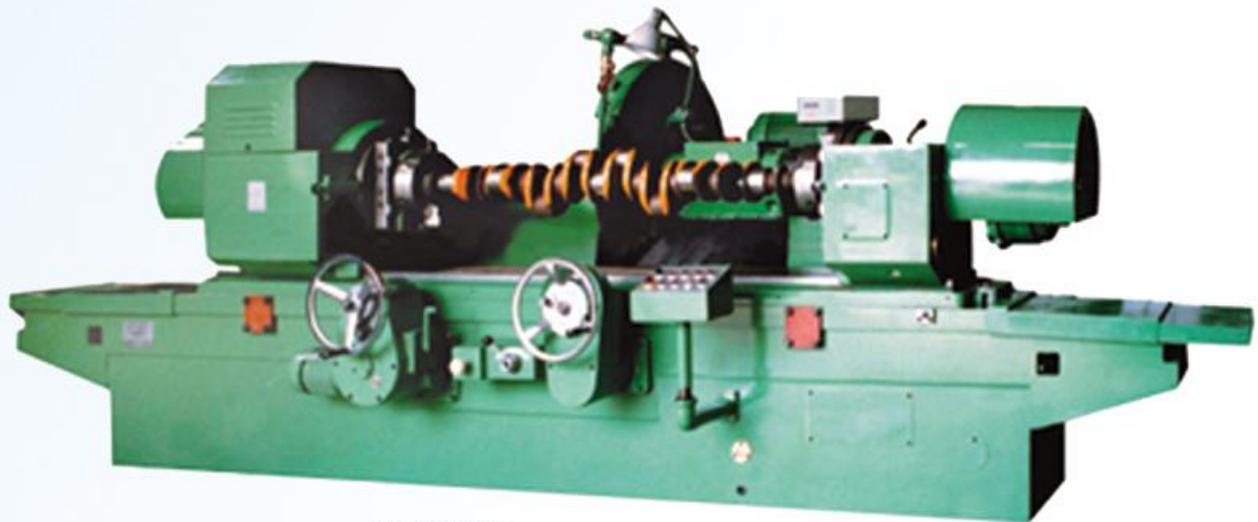
MQ8260A is modified on the base of the Model MQ8260 and intended for use in the automobile, tractor, diesel engine works and their repair shops to grind the journals and crankpins of crankshafts

MQ8260A是在MQ8260基础上的改进型,适用于汽车,拖拉机和柴油机制造厂和修理厂磨削发动机曲轴的曲柄颈和主轴颈。

- Three different work speeds are obtainable by making use of the belts in the workhead.
- Cross chucks are used in the headstock and tailstock.
- Friction coupling is used in the headstock transmission chain for its easy adjustment.
- Table traverse is operated either by hand or by power.
- Wheelhead rapid approach and withdrawal is effected through hydraulic means.
- The wheel spindle being of 80mm in diameter has good rigidity and strength.
- Use is made of roller ways for wheelhead movement.
- The bed ways and wheelhead are lubricated in an automatic cycle by means of the oil pump.

## 结构特点:

- 头架采用皮带变速,可获得三种不同转速。
- 头、尾架卡盘可选用一字燕尾卡盘结构。
- 头架转动链中采用摩擦离合器,调整操作方便。
- 工作台纵向运动,分手动和机动。
- 砂轮架快速进退,由液压装置控制。
- 砂轮轴采用 $\Phi 80\text{mm}$ ,刚性足,强度高。
- 砂轮架采用滚动导轨。
- 床身导轨,砂轮架导轨润滑通过油泵自动循环。



MQ8260A

## Standard Accessories 随机附件

Jaw chuck, Wheel dresser, Wheel balancing, arbor, Leveling wedge, Driving dog

Vertical aligning stand, Horizontal aligning stand, Wheel balancing stand

Steady rest, Grinding wheel

卡盘、砂轮修整器、砂轮平衡轴、调整垫铁、夹头、垂直样板、水平样板、砂轮平衡架、中心架、砂轮

## Optional Accessories 可选附件

End dresser, Digital readout

Polisher, Diamond dresser

Hanging measuring device, Centering device

端面修整器、数显装置、抛光机、金刚笔、悬挂测量装置、校中心装置

# MQ8260A Series Crankshaft Grinding Machine 曲轴磨床

## Main specifications

Model	MQ8260Ax16	MQ8260Ax18	MQ8260Ax20
Max. work diameter × Max. length (最大工件回转直径*最大工件长度)	Φ580×1600mm	Φ580×1800mm	Φ580×2000mm
Capacity 加工范围	Max. swing over table (最大回转直径) 580 mm		
	Work diameter ground with steady rest (在中心架上磨削直径) Φ30-100 mm		Φ50-120 mm
	Throw of crankshaft (曲轴曲柄的回转半径) 110 mm		120 mm
	Max. work length ground in 3 jaw chuck (磨削工件最大长度: 三爪卡盘装夹) 1400 mm	1600 mm	1800 mm
	Max. work length ground between centres (磨削工件最大长度: 顶尖间) 1600 mm	1800 mm	2000 mm
	Max. work weight (工件最大重量) 120 kg		150 kg
Headstock 头架	Centre height (中心高) 300 mm		
	Work speed (rpm) (主轴转速) 25,45,95		25,45,65,100
Wheelhead 砂轮架	Max. cross movement (砂轮架沿丝杆最大移动盘) 185 mm		
	Wheelhead rapid approach & withdrawal (砂轮架快速进退量) 100 mm		
	Wheelhead feed per turn of cross feed handwheel (砂轮架进给量: 手轮每秒砂轮架移动量) 1 mm		
	Wheel feed per grad of cross feed handwheel (砂轮架进给量: 手轮刻度值) 0.005 mm		
Grinding wheel 砂轮	Wheel spindle speed (砂轮轴转速) 740, 890 rpm		
	Wheel peripheral speed (砂轮轴速度) 25.6 - 35 m/sec		
	Wheel size (砂轮规格) Φ900x32xΦ305 mm		
Table 工作台	Table traverse per turn of handwheel coast (手轮每转工作台移动量: 粗进给) 5.88 mm		
	Table traverse per turn of handwheel fine (手轮每转工作台移动量: 细进给) 1.68 mm		
	Table swivel (taper 18/100) (工作台回转角度) 5°		
	Table swivel per grad of scale (taper 1:50) (刻度盘格工作台回转量) 10'		
Overall capacity of motor (电机总容量)		9.82 Kw	11.2 Kw
Overall dimension (LxWxH) (mm) (外行尺寸: 长*宽*高)		4166x2037x1584	4900x2037x1584
Weight (重量)		6000 kg	6200 kg
Working Accuracy 工作精度	Ovality (new standard) (椭圆度: 新标准) 0.005		
	Cylindricity (圆柱度) 0.01		
	Roughness Ra (粗糙度) 0.21		

## Accessories



垂直样板vertical stand



水平样板horizontal stand



校中心装置centering device



中心架steady rest



悬挂测量仪hanging device



抛光机polisher



砂轮修整器wheel dresser



端面修整器end dresser

# MQ8260C series Crankshaft Grinding Machine 曲轴磨床

## Features

MQ8260C is modified on the basis of the Model MQ8260A and intended for use in the automobiles tractors diesel engine works and their repair ships to grind the journals and crankpins of crankshafts.

Three different work speeds are obtainable by making use of the belts in the work head. The cover can be opened so that the belts can be changed conveniently.

Cross swallow-tailed chucks are selectively used in the headstock and tailstock

Friction coupling is used in the headstock transmission chain for its easy adjustment

Single layer table, with an oblique angle of 10 degree, longitudinal traverse can be operated either by hand or by power.

Wheel head rapid approach and withdrawal effected by hydraulic means can be digitally displayed at a resolution of 0.005mm

The wheel spindle being of 80mm in diameter has good rigidity and strength

The roller ways are for wheel head movement

The bed ways and wheel head ways are lubricated in an automatic cycle by means of the oil pump. Plastic coat is adhered to the bed way.

Air cushion can be used on the tailstock providing easy adjustment. Crosswise movement of tailstock is effected

## 结构特点:

MQ8260C是在MQ8260A基础上的改进型。本机床适用于汽车，拖拉机和柴油机制造厂和修理厂磨削发动机曲轴的曲柄颈和主轴颈。

头架采用皮带变速，可获得三种不同转速，罩壳可开启，更换皮带方便。

头，尾架卡盘可选用十字燕尾卡盘结构。

头架转动链中采用摩擦离合器，调整操作方便。

单层工作台倾斜10°，刚度好，精度高，纵向运动分手动和机动。

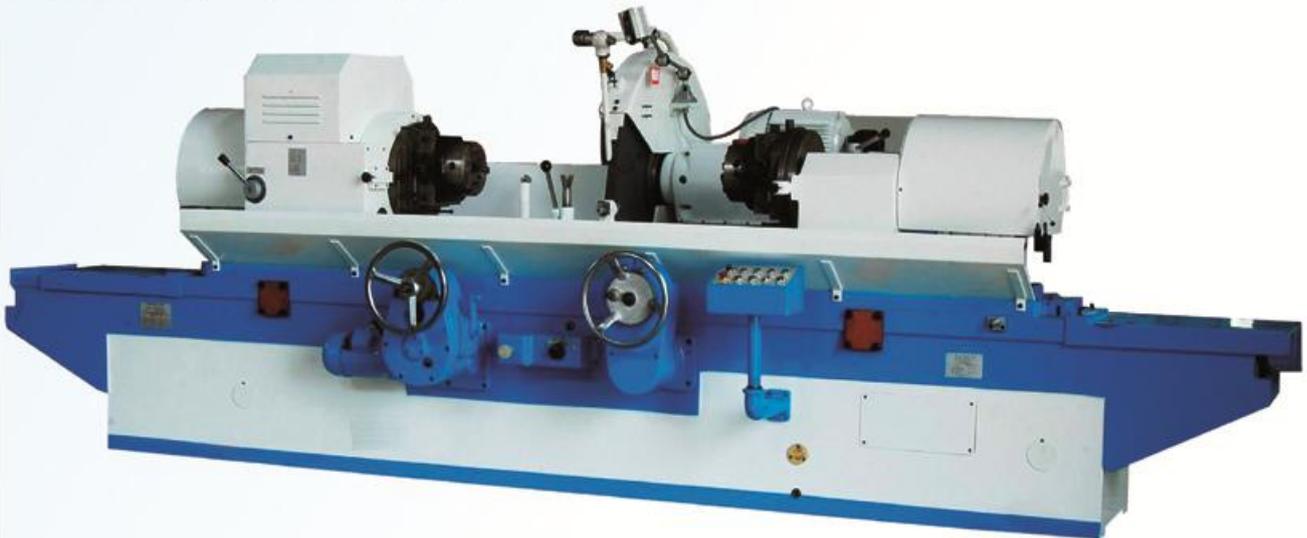
砂轮架快速进退，由液压装置控制，带数字显示分辨率0.005。

砂轮轴采用Φ80mm优质材料，刚性足，强度高。

砂轮架采用滚动导轨。

床身导轨，砂轮架导轨润滑通过油泵自动循环，床身导轨粘塑。

可选用尾架气垫，快速左右移动，尾架横向可移动。



MQ8260C



Oblique angle of 10 degree  
台面倾斜10度



Mirco- feeding  
微动机构



Cross swallow-tailed chucks  
十字卡盘

# MQ8260C series Crankshaft Grinding Machine 曲轴磨床

## Accessories



垂直样板vertical stand

水平样板horizontal stand

校中心装置centering device

中心架steady rest

悬挂测量仪hanging device

抛光机polisher

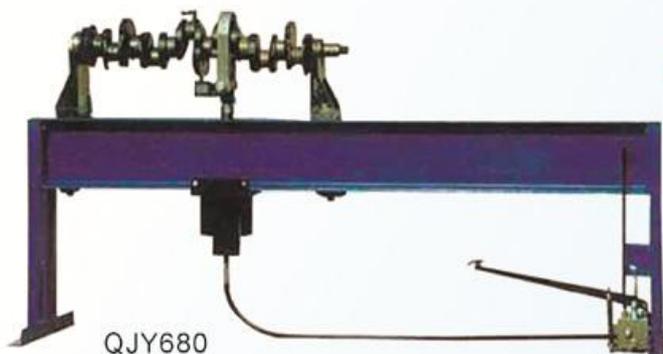
砂轮修整器wheel dresser

端面修整器end dresser

## Main specifications

Model	MQ8260Cx16	MQ8260Cx18
Max. work diameter × Max. length (最大工件回转直径*最大工件长度)	Φ580 × 1600 mm	Φ580 × 1800 mm
Capacity (加工范围)		Φ600 mm
Work diameter ground (在中心架上磨削直径)		Φ30-Φ100 mm
Throw of crankshaft (曲轴曲柄的回转半径)		110 mm
Max. work length ground		
In 3-jaw chuck (三爪卡盘装夹)	1400 mm	1600 mm
Between centers (顶尖间)	1600 mm	1800 mm
Max. workpiece weight (工件最大重量)		120 Kg
Workhead (头架)		
Centre height (中心高)		300 mm
Work speed (2 step) 主轴转速 (2级)		25, 45, 95 r/min
Wheelhead (砂轮架)		
Max. cross movement (砂轮架沿丝杆最大移动量)		185 mm
Wheelhead rapid approach and withdraw (砂轮架快速进退量)		100 mm
Wheel feed per turn of cross feed handwheel (砂轮架进给量: 手轮每秒砂轮架移动量)		1 mm
Per grad. of cross feed hand wheel (砂轮架进给量: 手轮刻度值)		0.005 mm
Grinding wheel (砂轮)		
Wheel spindle speed (砂轮轴转速)	740, 890 r/min	
Wheel spindle speed (砂轮轴速度)	25.6-35 m/sec	
Wheel size (O.D. × Bore) (砂轮规格)		Φ900 × 32 × Φ305mm
Table traverse per turn of handwheel 手轮每转工作台移动量	Coarse粗进给 Fine细进给	5.88 mm 1.68 mm
Overall capacity of motors (工作台回转角度)		9.82 Kw
Overall dimensions (L×W×H) (外形尺寸: 长*宽*高)		4166 × 2037 × 1584mm
Weight (重量)	6000 kg	6200 kg

## Model-QJY straightening equipment with crank axle 曲轴矫直机

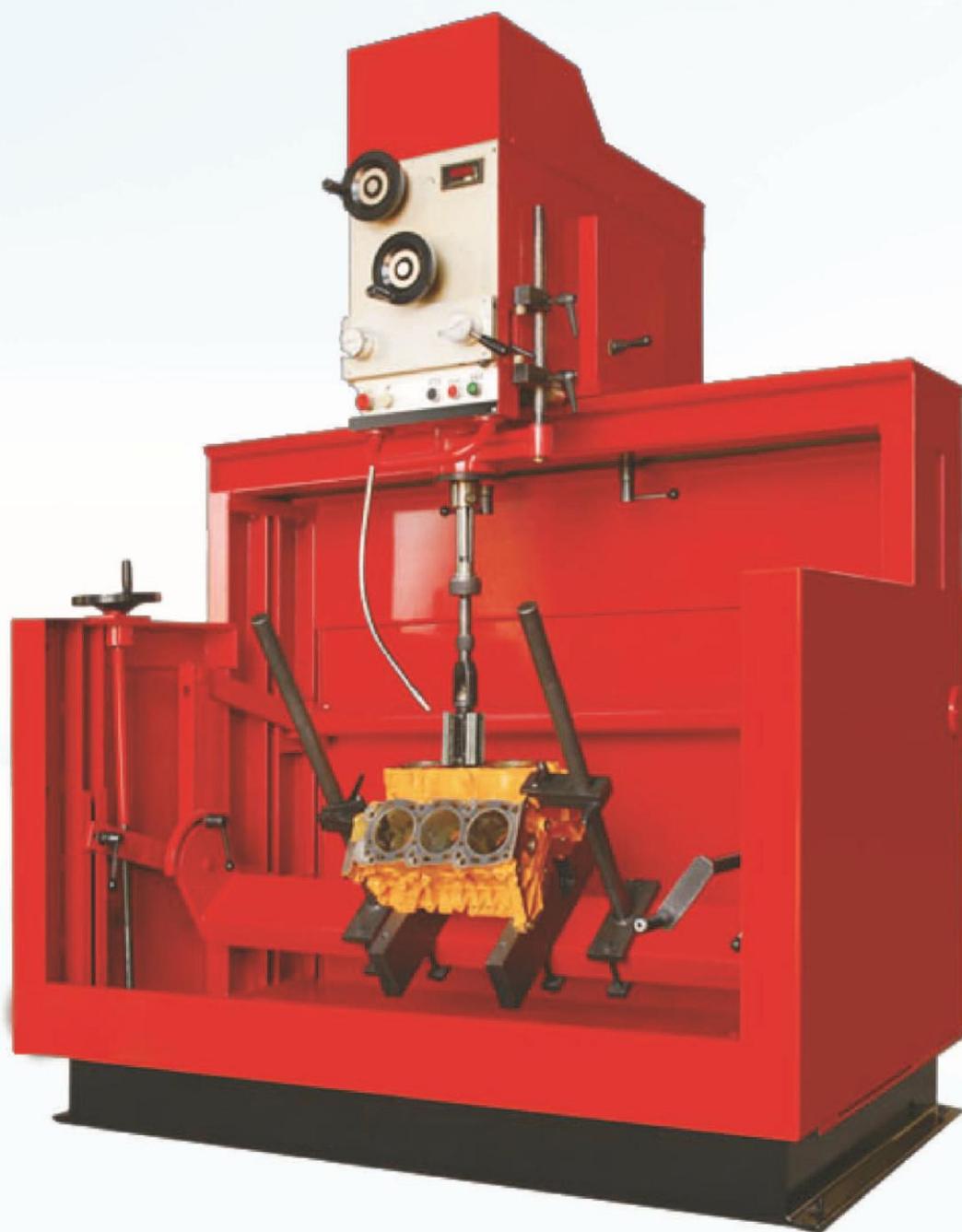


QJY680

Model	QJY250	QJY680
Max. Drawing Capacity 最大拉力	250KN	680KN
Hydraulic Pressure 液压力	40Mpa	40MPa
Travel 拉压行程	45mm	45mm
Suitable for Spindle 适用主轴径	≤85	≤120
Overall size 外形尺寸	1700x700x900	2000x750x900
Net weight 重量	120kg	200kg

## 立式珩磨机 Vertical Fine Honing Machine HM170

Hydraulic vertical honing machine with head provided with pneumatic system for an easy honing spindle longitudinal and transversal positioning on the workpiece. The block supporting base is adjustable in the height and inclination to allow the assembling of flat and "V" blocks. Honing spindle with stepless variable rotation speed visualized on the control panel.



## 立式珩磨机 Vertical Fine Honing Machine HM170

Model	HM170
Max. Honing Diameter 最大珩磨直径	170mm
Max. Honing Depth 最大珩磨深度	300mm
Spindle Rotation Speed 主轴转速	100-300 r.p.m
Roundness of Honing Hole 珩磨孔圆度	0.0025mm
Cylindricity of Honing Hole 珩磨孔圆柱度	0.008mm
Roughness of Honing Hole Surface 珩磨孔表面粗糙度	Ra 0.2um
Longitudinal Stroke of Spindle Head 主轴头纵向行程	1100mm
Transversal Stroke of Spindle Head 主轴头横向行程	80mm
Max. Load of Worktable 工作台最大承载重量	200kg
Spindle Motor 主轴电机	1.1kw
Hydraulic Station Motor 液压站电机	1.5kw
Water Pump Motor 电水泵功率	90w
Spindle Alternate Motion Speed 主轴往复运动速度	0-18m/min
Overall Dimension 外形尺寸	1800x1300x2200mm
Packing Dimension 保证尺寸	2220x1640x2290mm
Net/Gross Weight 净重/毛重	1200/1400kg



MT33 Honing Head (26-33mm) Optional



MT44 Honing Head (31-44mm) Optional



MT66 Honing Head (42-66mm) Optional



MT170 Honing Head (64-170mm) Standard

# Vertical Fine Boring-Milling Machine T7240 立式精镗&铣床

The machine is mainly used for boring large and deep holes( such as cylinder body of locomotive, steamship and car), also can milling the surface of the cylinder. Servo-motor control the table longitudinal move and spindle up and down. Spindle's whirl use variable-frequency motor to adjust the speed, so it can achieve of stepless speed change. Electricity of the machine are designed of PLC and man-machine interaction.

T7240 立式精镗床是适用于大孔、深孔镗削的机床产品，工作台纵向移动和主轴上下移动均采用伺服电机控制，主轴旋转采用变频调速技术，可实现无极调速，产品用PLC控制，通过人机界面输入相关参数，使机床自动化程度大大提高，可广泛用于汽车、机车、轮船等发动机缸体孔镗削加工，机械业零配件大孔、深孔镗削加工及铣面。

Model型号	T7240
Max.boring diameter 主轴最大镗孔直径	Φ400mm
Max. boring depth 主轴最大镗孔深度	750mm
Spindle carriage travel 主轴(滑架)行程	1000mm
Spindle speed (stepless speed change for frequency conversion) 主轴转速(变频无级调速)	50~1000r/min
Spindle feed travel speed 主轴进给移动速度	6~3000mm/min
Distance from spindle axis to carriage vertical plan 主轴中心至滑架直立面距离	500mm
Distance from spindle end-face to table surface 主轴端面至工作台面距离	25~840mm
Table dimensions (L x W) 工作台面尺寸(长 x 宽)	500X1600mm
Table longitudinal travel 工作台纵向行程	1600mm
Main motor (Variable-frequency motor) 主电机功率(变频电机)	33HZ, 5.5Kw
Boring dimension accuracy 精镗孔尺寸精度	IT7
Milling dimension accuracy 铣削尺寸精度	IT8
Roundness 圆度	0.008mm
Cylindricity 圆柱度	0.02mm
Boring roughness 镗孔粗糙度	Ra1.6
Milling roughness 铣削粗糙度	Ra1.6-Ra3.2
Overall dimensions 机床外形尺寸(长X宽X高)	2281X2063X3140mm
N.W/G.W 机床净重/毛重	7500/800KG



T7240

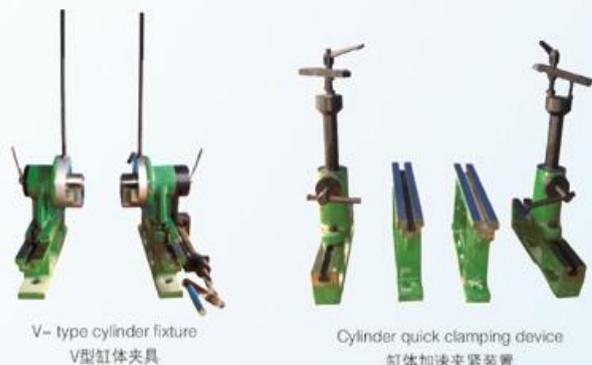
## Standard accessories 随机附件

1. Φ300 主轴 (镗Φ305-Φ400孔) Spindle Φ300(boring hole Φ305-Φ400mm)
2. Universal boring & milling head 万能镗铣头
3. Milling cutter head 250mm 250mm 铣刀盘
4. No.4 Morse's cone Toolbar(boring hole Φ21-Φ48) 4号莫式刀杆(镗Φ21-Φ48孔)



## Optional Accessories 可选附件

1. Spindle Φ45(boring hole Φ46-Φ60mm) Φ45 主轴 (镗Φ46-Φ60孔)
2. Spindle Φ56(boring hole Φ57-Φ78mm) Φ56 主轴 (镗Φ57-Φ78孔)
3. Spindle Φ75(boring hole Φ76-Φ115mm) Φ75 主轴 (镗Φ76-Φ115孔)
4. Spindle Φ110(boring hole Φ111-Φ165mm) Φ110 主轴 (镗Φ111-Φ165孔)
5. Spindle Φ150(boring hole Φ151-Φ200mm) Φ150 主轴 (镗Φ151-Φ200孔)
6. Spindle Φ200(boring hole Φ205-Φ285mm) Φ200 主轴 (镗Φ205-Φ285孔)
7. Spindle Φ280(boring hole Φ285-Φ320mm) Φ280 主轴 (镗Φ280-Φ320孔)
8. Milling cutter head 315mm 315mm 铣刀盘



V-type cylinder fixture  
V型缸体夹具

Cylinder quick clamping device  
缸体加速夹紧装置



## Vertical Fine Boring Machine T7220B & T7220C 立式精镗床

T7220B is mainly used to bore high accurate holes of cylinder body and engines sleeve and other accurate holes. The table longitudinal and latitudinal moving device; The workpiece fast centering device; Boring measuring device; Also provides optional digital readout for the table's longitudinal and cross moving accessories to serve the users.

T7220B主要用于精镗加工各种发动机的缸体孔和缸套孔，以及其它精密孔。本机床设纵横向移动机构；工件快速找中心装置；镗孔测刀装置；可设工作纵横数显作小座标镗使用。



T7220B



T7220C

Model 型号	T7220B	T7220C	
Max. boring Diameter最大镗孔直径	φ 200mm	φ 200mm	
Max. Boring Depth最大镗孔深度	500mm	500mm	
Diameter of Milling Cutter Head 铣刀盘直径	/	250mm (315mm is optional)	
Max. Milling Area (L x W) 最大铣削面积	/	850x250mm (780x315mm)	
Spindle Speed Range主轴转速范围	53-840rev/min	53-840rev/min	
Spindle Feed Range主轴进给范围	0.05-0.20mm/rev	0.05-0.20mm/rev	
Spindle Travel 主轴行程	710mm	710mm	
Distance from Spindle Axis to Carriage	315mm	315mm	
Vertical plane 主轴轴线至滑架直立面的距离	315mm	315mm	
Table Longitudinal Travel 工作台纵向行程	900mm	1100mm	
Table Longitudinal feed speed 纵向进给速度	/	55、110mm/min	
Table Longitudinal quick move speed 工作台纵向快速移动速度	/	1500mm/min	
Table cross travel 工作台横向行程	100mm	100mm	
Machining accuracy 加工精度	Dimension Accuracy 尺寸精度	1T7	1T7
	Roundness 圆度	0.005	0.005
	Cylindricity 圆柱度	0.02/300	0.02/300
Boring roughness 镗削粗糙度	Ra1.6	Ra1.6	
Milling roughness 铣削粗糙度	/	Ra1.6-3.2	

## Vertical Fine Boring Machine 立式精镗床

T7220C is mainly used for fine boring high accurate holes of cylinder body and engine sleeve also for other accurate holes, it can be used for milling surface of cylinder. The machine can be used to boring、milling、drilling、reaming.

T7220C主要用于精镗加工各种发动机的缸体孔和缸套孔，以及其它精密孔，同时可进行汽缸端面精铣，可实现镗、铣、钻、铰多功能加工。

The table longitudinally and cross moving devices工作台纵横向移动机构；

The workpiece fast centering device工件快速找中心机构；

Boring measuring device测刀装置；

The table longitudinal moving工作纵向进给（铣削）；

Digital read-out device(user quest).可设数控装置，以提高工作速度和精度，或作小型坐标镗使用

### T7220B Standard accessories随机附件：

Spindle 150 ( Boring holes 151-200mm )

Boring measuring device (镗孔测刀装置)



Spindle 150



Boring measuring device

### T7220B Optional accessories可选附件:

Spindle 110 ( Boring holes 111-165mm )

Spindle 75 ( Boring holes 76-115mm )

Spindle 56 ( Boring holes 57-78mm )

Spindle 45 ( Boring holes 46-60mm )

Universal spindle ( Boring 21-48mm )

V-type cylinder fixture ( V型缸体夹具 )

Quick Cylinder Fixture ( 缸体加速加紧装置 )



Spindle 110



Spindle 75



Spindle 56



Spindle 45

### T7220C Standard accessories随机附件：

Spindle 150 ( Boring holes 151-200mm )

Boring measuring device (镗孔测刀装置)

Universal Boring-milling head ( 万能镗铣头 )

Milling Cutter head 250mm ( 铣刀盘 )

NO.4 Morse' s Tool bar ( 4号莫式刀杆 )



Universal spindle



Universal Boring-milling head  
(only for T7220C)



NO.4 Morse' s Tool bar  
(only for T7220C)

### T7220C Optional accessories可选附件:

Spindle 110 ( Boring holes 111-165mm )

Spindle 75 ( Boring holes 76-115mm )

Spindle 56 ( Boring holes 57-78mm )

Spindle 45 ( Boring holes 46-60mm )

V-type cylinder fixture

Quick Cylinder Fixture



Milling Cutter head 250mm  
(only for T7220C)



V-type cylinder fixture



Cylinder quick clamping device

# Cylinder Boring Machine 镗缸机

The machine is mainly used for boring the cylinder hole of internal combustion engine and the inner hole of cylinder sleeve of cars or tractors, and also for other machine element hole. (本机床主要用于镗削汽车、拖拉机等内燃机气缸孔和缸套内孔，也可用于其它机械零件内孔的精密镗削加工。)

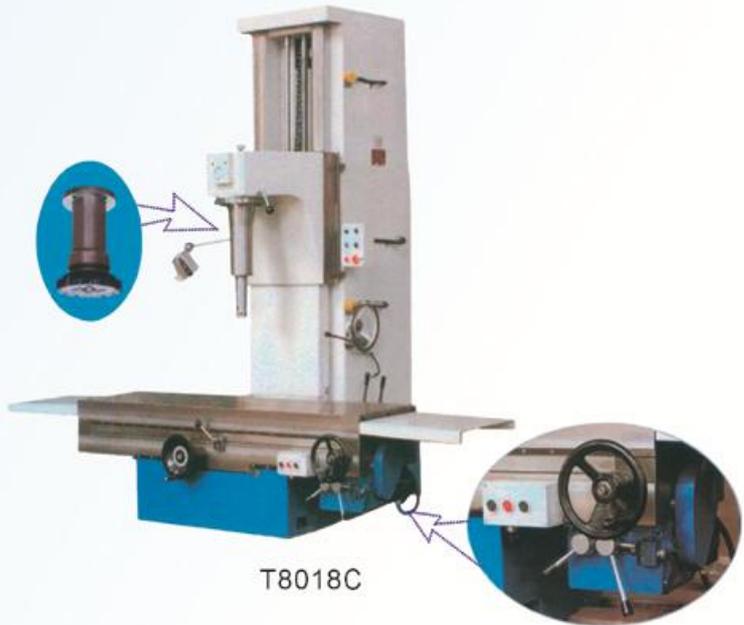
T8018A: mechanical-electronic drive and spindle speed frequency changed speed variation. (为机电一体化联合控制变频调速)

T8018B: mechanical drive. (机械传动)

T8018C: used for processing special heavy motor cylinders (加工特大型发动机缸使用)



T8018A



T8018C

Model型号	T8018A	T8018B	T8018C
Range of boring diameter 镗孔直径范围	Φ30mm-Φ180mm		Φ42-Φ180mm
Max boring depth 最大镗孔深度	450mm		650mm
The max.travel of spindle 主轴行程	500mm		800mm
The distance from the central line of the spindle to the body 主轴中心线到床身的距离	320mm		315mm
The Rotational speed of spindle 主轴转速	140-610r/min	175, 230, 300, 350, 460, 600 r/min	
Spindle feed 主轴进给量	0.05, 0.10, 0.20		
The high speed of spindle 主轴高速	2.65m/min		2.65m/min
Table size 工作台尺寸	1200x500mm		1680x450mm
Table travel 工作台行程	Crosswise 100mm Lengthwise 800mm		Crosswise 150mm Lengthwise 1500mm
Machine power 主电机功率	3.75Kw		

## Accessories



Spindle 主轴



Quick Cylinder Fixture  
快紧夹具



V-Type Cylinder Fixture  
V型夹具

# Vertical Air-floating Fine Boring Machine 立式气浮精镗床

The machine is mainly used for re boring single line cylinders and V-engine cylinders of Automobiles motor cycles and tractors and also for other machine element holes.  
 Reliable performance, widely use, processing accuracy, high productivity.  
 Easy and flexible operation  
 Air-floating location quick and precise, automatic pressure  
 Spindle speed is suitability  
 The tool setting and measuring device  
 There is a vertical measuring device  
 Good rigidity, amount of cutting.

## 机床用途及特点:

本机床主要用于镗削整修直式和V式汽车发动机气缸，也可翻新拖拉机、摩托车发动机气缸。  
 适用范围广、性能可靠、加工精度高。  
 操作轻巧、简便。  
 气浮定位快捷、准确、自动压紧。  
 转速分布合理。  
 对刀测量装置。  
 垂直测量装置。  
 刚性好，切削量大。



TB8016

## Main specifications

Model型号	TB8016	
Boring diameter镗孔直径	39-160 mm	
Max boring depth最大镗孔深度	320 mm	
Boring head travel 镗头行程	Longitudinal 纵向	1000 mm
	Transversal 横向	45 mm
Spindle speed (4 steps)主轴转速 (四级)	125, 185, 250, 370 r/min	
Spindle feed主轴进给量	0.09 mm/s	
Spindle quick reset主轴快速回升	430, 640 mm/s	
Pneumatic pressure气动压力	0.6 < P < 1	
Motor output电动机输出功率	0.85 / 1.1 Kw	
V-block fixture patented system V型镗削架	30° 45°	
V-block fixture patented system (Optional accessories) V型镗削架	30 degree, 45 degree	
Overall dimensions外型尺寸	1250 x 1050 x 1970 mm	
Machine weight主机重量	1300 kg	

## Accessories



## 镗缸机Boring Machine for Motorcycle Cylinders SBM100

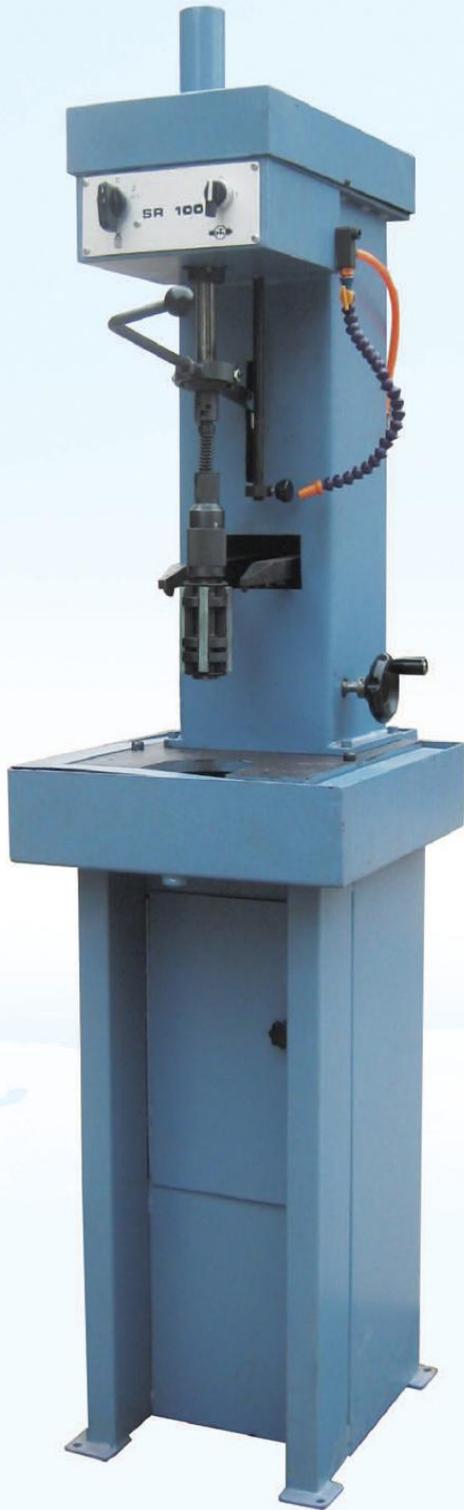


It is mainly used for automotive , light truck, motorcycle, marine & small engine Applications.

- Quickly Clamping
- Three finger centering
- 3 Angle tool dressing
- Special micrometer
- Square tool holder

Model	SBM100
Max. Boring Diameter 最大镗孔直径	100mm
Min. Boring Diameter 最小镗孔直径	36mm
Max. Spindle stroke 主轴最大行程	220mm
Distance between upright and spindle axis	130mm
Min. distance between fastening brackets and bench	170mm
Max. distance between fastening brackets and bench	220mm
Spindle speed 主轴转速	200rpm,400rpm
Spindle feed 主轴进给量	0.076mm/rev
Motor power 电机功率	0.37/0.25kw

## 珩磨机 Honing Machine for Motorcycle Cylinders SHM100



It is mainly used for automotive , light truck, motorcycle, marine & small engine Applications.

- One special micrometer
- Support kits
- Centering rod 5 sets
- Tool holder 36–61mm and 60–85mm
- Boring cutter 23mm and 32mm long
- Honing head MFQ40(40–60mm) standard  
Honing head MFQ60(60–80mm) optional  
Honing head MFQ80(80–120mm) optional

Model	SHM100
Max. Honing Diameter 最大镗孔直径	100mm
Min. Honing Diameter 最小镗孔直径	28mm
Max. Spindle stroke 最大行程	185mm
Distance between upright and spindle axis	130mm
Min. distance between fastening brackets and bench	170mm
Max. distance between fastening brackets and bench	220mm
Spindle speed 主轴转速	125rpm,250rpm
Main Motor power 电机功率	0.37/0.18kw
Coolant system motor power	0.09kw

# Cylinder Boring Machine 镗缸机

## Features

The boring machine is mainly used for reboring engine cylinders of motor cycles, automobiles and middle & small-tractors.

Reliable performance ,widely use, processing accuracy high productivity

Easy and Flexible operation

Good rigidity , amount of cutting.

## 结构特点:

本机床主要用于摩托车, 汽车发动机和中小型拖拉机镗削整修气缸之用。

使用范围广、性能可靠、加工精度高

操作轻巧、简便

刚性好, 切削量大



T808A



T808A with stand



T806A



Stand(only for T808A)



Tool box 工具箱



Tools 附件

## Main specifications

Model型号	T806	T806A	T807	T808A
Boring diameter镗孔直径	39-60mm	46-80mm	39-70mm	50-85 mm
Max. boring depth最大镗孔深度		160 mm	160 mm	170 mm
Spindle speed主轴速度		486 r/min	486 r/min	394 r/min
Spindle feed主轴进给速度		0.09 mm/r	0.09 mm/r	0.10 mm/r
Spindle quick reset 主轴快速复位进给量		Manual	Manual	Manual
Motor voltage主机电压		220/380 V	220/380 V	220/380 V
Motor power主电机功率		0.25 Kw	0.25 Kw	0.25 Kw
Motor speed主电机速度		1440 r/min	1440 r/min	1440 r/min
Overall dimension机床外形尺寸		330x400x1080 mm	330x400x1080 mm	350x272x725 mm
Machine weight重量		80 kg	80 kg	48 kg

# Cylinder Boring Machine 镗缸机

## Features

The boring machine is mainly used for reboring engine cylinders of motor cycles, automobiles and middle & small-tractors. Reliable performance ,widely use, processing accuracy high productivity. Easy and Flexible operation . Good rigidity , amount of cutting

## 结构特点:

本机床主要用于摩托车，汽车发动机和中小型拖拉机镗削整修气缸之用。使用范围广、性能可靠、加工精度高、操作轻巧、简便、刚性好，切削量大



T8014A



T8016A

## Main specifications

Model	T8014A	T8016A
Boring diameter镗孔直径	65 – 140 mm	80 – 165 mm
Max. boring depth最大镗孔深度	300 mm	400 mm
Spindle speed主轴转速	250, 380 r/min	200, 300 r/min
Spindle feed主轴进给量	0.11 mm/r	0.12 mm/r
Spindle quick reset主轴快速回升	636 mm/sec	780 mm/sec
Overall dimensions外型尺寸	320x330x850 mm	360x345x1100 mm
Machine weight机床重量	62 kg	85 kg



Tools 附件



Tool box 工具箱

# Cylinder Boring and Honing Machine TM807A 镗磨缸机

## Features

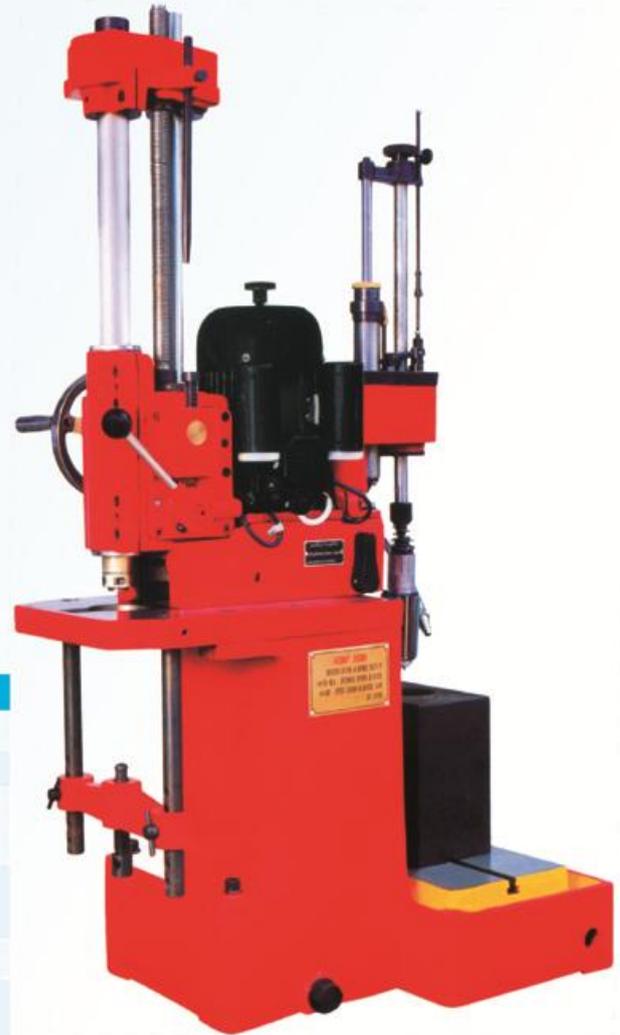
This machine is mainly used for maintaining the cylinder of motorcycle, etc. Place the cylinder to be bored under the base plate or on the plane of the base of the machine after the center of the cylinder hole is determined, and the cylinder is fixed, maintenance of boring and honing can be carried out. The Cylinders of the motorcycles with diameter 39–72mm and depth within 160mm can all be bored and honed. If the suitable fixture are fitted, other cylinder bodies with corresponding requirements can also be bored and honed.

## 结构特点:

本机床是精加工汽车、摩托车发动机及空气压缩机等气缸孔的专用修理设备，可以独立完成汽缸的镗磨作业。具有体积小，重量轻，精度高，结构紧凑等特点，操作维修方便，安全可靠。

## Main specifications

Model	TM807A	
Diameter of boring & honing hole最大镗孔/磨孔直径	39–72mm	
Max. Boring & honing depth最大镗孔/磨孔深度	160mm	
Rotational speed of boring & spindle 镗孔主轴转速	480r/min	
Steps of variable speed of boring & honing spindle 镗/磨主轴变速级数	1step	
Feed of boring spindle镗孔主轴进给量	0.09mm/r	
Return and rise mode of boring spindle 镗孔主轴回升形式	手动Hand operated	
Rotational speed of honing spindle磨孔主轴转速	300r/min	
Honing spindle feeding speed磨孔主轴移动速度	6.5m/min	
Electric motor	Power 功率	0.75kw
	Rotational 转速	1400r/min
	Voltage电压	220v or 380v
	Frequency 频率	50HZ
Overall dimensions(L*W*H)外形尺寸 mm	680*480*1160	
Packing(L*W*H) 包装尺寸mm	820*600*1275	
Weight of main machine(approx) 毛净重	N.W 230kg G.W280kg	



TM807A



Boring Cutter  
镗刀



Honing Stone 珩磨条



Tool box 工具箱

# Valve Seat Boring Machine 气门座镗床

## Features

The machine tool suits the needs of various cylinder cover for every engine. It adopts the air-floating worktable. When equipped with all sorts of tools. It can manufacture the gas valve seats hole for cylinder cover with various angles. When equipped with boring-drilling tools, it can bore, drill, ream the pipe seats hole for gas valve or repair it.

## 结构特点:

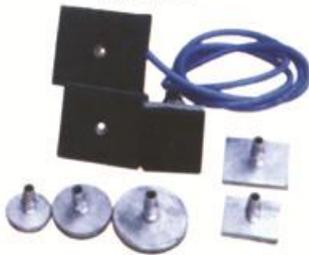
本机床适用于各类发动机缸盖, 采用气浮工作台、配备了各种工装器具, 可加工各类角度的缸盖气门座孔, 配备钻镗工具后, 可进行镗、钻、扩铰气门座圈孔、气门导管座孔或铰修气门导管孔。



Dircional Core Shaft  
定位芯轴



Cutter Seat and Cutter  
刀架刀片



Vavm Examing Adhesive Disc  
真空监测吸盘



Changadle Knife Rod and Fixed one  
万向刀杆和固定刀杆



T8590A

## Main specifications

Model	T8590A	T8590B
Boring diameter 镗孔直径	φ 25- φ 90 mm	
Dimension of worktable 工作台尺寸	1300x730x640mm	
Spindle speed range 主轴转速范围	55, 85, 210, 320, 370, 550 rpm	15-800 rpm
Spindle travel 主轴行程	180 mm	
Distance from spindle axis to guideway surface 主轴中心线到导轨表面的距离	270 mm	
Max. distance from end of spindle to working table 主轴端到工作台的距离	750 mm	
Moving speed of machine head 主轴箱移动速度	512 mm	
Cylinder head fixture movement on the table	Cross 横向 120 mm	
	Longitudinally 纵向 860 mm	
Main motor power 主电机功率	1.1/0.85 Kw 1400/950 rpm	
Machine packing size 包装尺寸	1600x1050x2250 mm	
N.W./G.W. 净重、毛重	1200/1400 kg	

## Features

Vr90 is special for grinding the valves in internal combustion engines ( the valves in engines on automobiles and tractors ), featuring small size , flexible operation and easy use.

# Valve Grinder Machine 磨气门机 VR90

Model	VR90	
Max. diameter of valves to be ground 磨气门最大直径	90 mm	
Diameter of valve stems to be gripped 可夹持气门杆直径	Standard 标准配件	6-16 mm
	Optional 可选附件	4.5-7 mm
	Optional 可选附件	12-18mm
Angles of valve to be ground 磨削气门角度	25-60 degree	
Longitudinal movement of geared head 车头纵向移动量	120 mm	
Transverse movement of grinding wheel head 磨头横向移动量	95 mm	
Max. cutting depth of ground valve 磨削气门的最大切削深度	0.025 mm	
Grinding wheel spindle speed 磨头主轴转速	4500 r/min	
Geared head spindle speed 车头主轴转速	125 r/min	
Motor power of grinding wheel head 磨头电机功率	0.37Kw	
Motor power of geared head 车头电机功率	0.09Kw	



VR90

# Valve Seat Boring Machine 气门座镗床

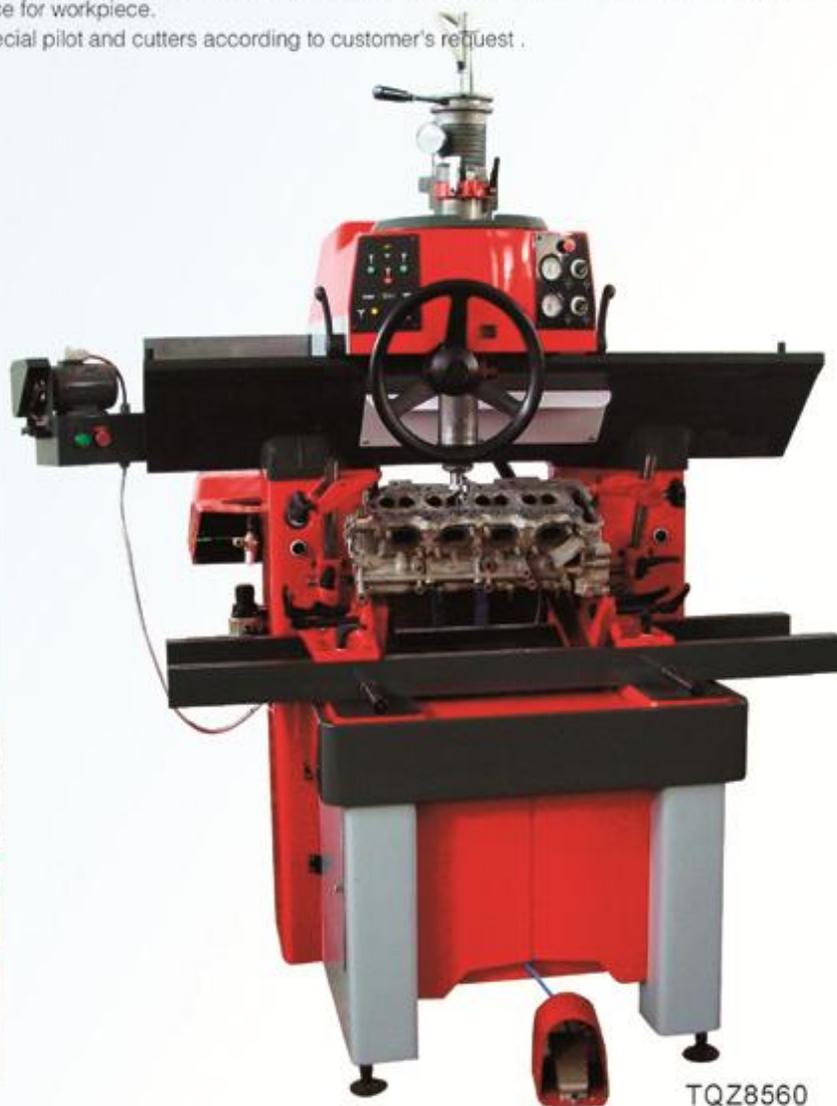
## Features

TQZ8560 is suitable for repairing the valve seat of automobiles, motorcycle, tractor and other engines. It also can be used to drilling and boring etc. The machine features are air-floating, vacuum clamping, high positing precision, easy operation. The machine is set with grinder for cutter and vacuum check device for workpiece.

We have the ability to design and produce special pilot and cutters according to customer's request .

## 结构特点:

TQZ8560 气门座镗床适用于汽车、摩托车、拖拉机及其它动力机械用汽、柴油发动机的缸盖气门座圈口、气门座圈孔及导管孔的维修加工，也可用于钻孔、镗孔等加工。机床特点，全气浮，真空夹紧，自动定心，定位精度高，操作集中简便，效率高，配备磨刀机和真空检测装置。



TQZ8560

## Main specifications

Model型号	TQZ8560
Spindle travel 主轴行程	200mm
Spindle speeds 主轴转速	30-750/1000rpm
Boring rang 镗孔直径	Φ14-Φ60mm
Spindle swing angle 主轴摆动角度	5°
Spindle cross travel 主轴横向移动	950mm
Spindle longitudinal travel 主轴纵向移动	35mm
Ball seat move 球座移动范围	5mm
Angle of clamping device swing 夹具摆角	+50° :-45°
Spindle motor power 主轴电机功率	0.4Kw
Air supply 气源	0.6-0.7Mpa;300L/min
Max. Size of cylinder cap for repairing 最大加工缸盖尺寸(L/W/H)	1200/500/300mm
Machine weight(N/G) 机床重量(净重/毛重)	1050KG/1200KG
Overall dimensions 外型尺寸(L/W/H)	1600/1050/2170mm

Model	Vr90	
Max. diameter of valves to be ground 可磨气门最大直径	90 mm	
Diameter of valve stems to be gripped 可夹持气门杆直径	Standard 标准配件	6-16 mm
	Optional 可选附件	4.5-7 mm
	Optional 可选附件	12-18mm



VR90

# Valve Seat Boring Machine 气门座镗床

## Features

The TL120 offers the patented new Triple Air-Float Automatic Centering system and its high torque and powerful motor spindle. Very accurate, all-purpose machine to cut valve seats and ream valve guides. Extremely versatile this machine will cut valve seats from the smallest to the biggest diameter. Thanks to its lightweight floating system. It will machine cylinder heads of any size from micro-engines up to big stationary engines.

Featuring a machine bed structure optimized by static and dynamic calculation, with a modern, modular and functional design, it can accommodate either the tilting fixture (+42deg to -15deg) or the hydraulic 360deg roll-over fixture with lateral up-and-down system. The TL120 Power has a benefit of air floating table bars. Thus adding faster setup time and effortless shifting of any size cylinder head. This feature decreases operator fatigue and increases productivity

We have the ability to design and produce special pilot and cutters according to customer's request .



TL120

## Characteristics

Machining capacity .55"/16mm to 725"/120mm.

Fitted with the new tooling that decreases the cutting force by 30%, this machine will cut the hardest seats.

Patented lightweight workhead: built-in spindle motor and triple air-float automatic entering system. Minimal workhead inertia and maximal floatation for unmatched centering sensitivity.

Build-In spindle motor. Broad torque ratings from lowest RPM.

Fully integrated spindle motor: Infinitely variable spindle speed, 0 to 1000r.p.m., with sensorless Vector Flux Control in open loop (extremely broad torque ratings from lowest r.p.m.). Digital spindle rotation read out.



CLAMPING SYSTEM

## Main specifications

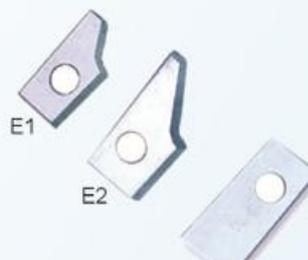
Model	TL 120	
Machining capacity	16-120mm	
Work head displacement	Lengthwise	990mm
	Crosswise	40mm
	Sphere cylinder travel	9mm
Max. spindle inclination	5 degree	
Spindle travel	200mm	
Spindle motor power	2.2Kw	
Spindle rotation	0-1000 rpm	
Power supply	380V/50Hz 3Ph or 220V/60Hz 3Ph	
Air flow	6 Bar	
Max. Air	300L/min	
Level of noise at 400rpm	72 DbA	



Bit Holder 刀架



Tool Holder 刀杆



Bits 刀片

E3



Pilot 芯轴

# Cylinder Block Grinding & Milling Machine 缸体缸盖平面磨铣床

## Features

- \*700rpm high velocity milling plus step-less speed regulation feeder equal high smooth surface of making (suitable for aluminum alloy cover or cast iron cylinder body).
- \*1400rpm high velocity grinding plus ultra precision feeder plus cooling liquid equal satisfactory result.(suitable for nodular cast iron)
- \*Intuitive adjusting velocity, accurate feeding by hands operated complete appendages, you will love them.

## 结构特点:

- \*700转地高速铣削+变频器无级调速进给=高光洁度的加工表面（适用于铝盖）
- \*1400转地高速磨削+超精进给+切削液=满意的结果（适用于球铁缸盖）
- \*直观的速度调整，准确的手动进刀，齐全的附具，定会受到您的爱戴。



3M9735B × 130



3M9735A × 130



Grinding Stone  
砂瓦



Cutter Disc  
铣刀盘

**Accessories 附件:** Cutter disc , Grinding stone, Parallel support, Common milling cutter, high strength milling cutter , 铣刀盘, 砂瓦, 等高垫铁, 普通铣刀, 高强度铣刀,

**Optional 可选:** V- type rotating support V型支架

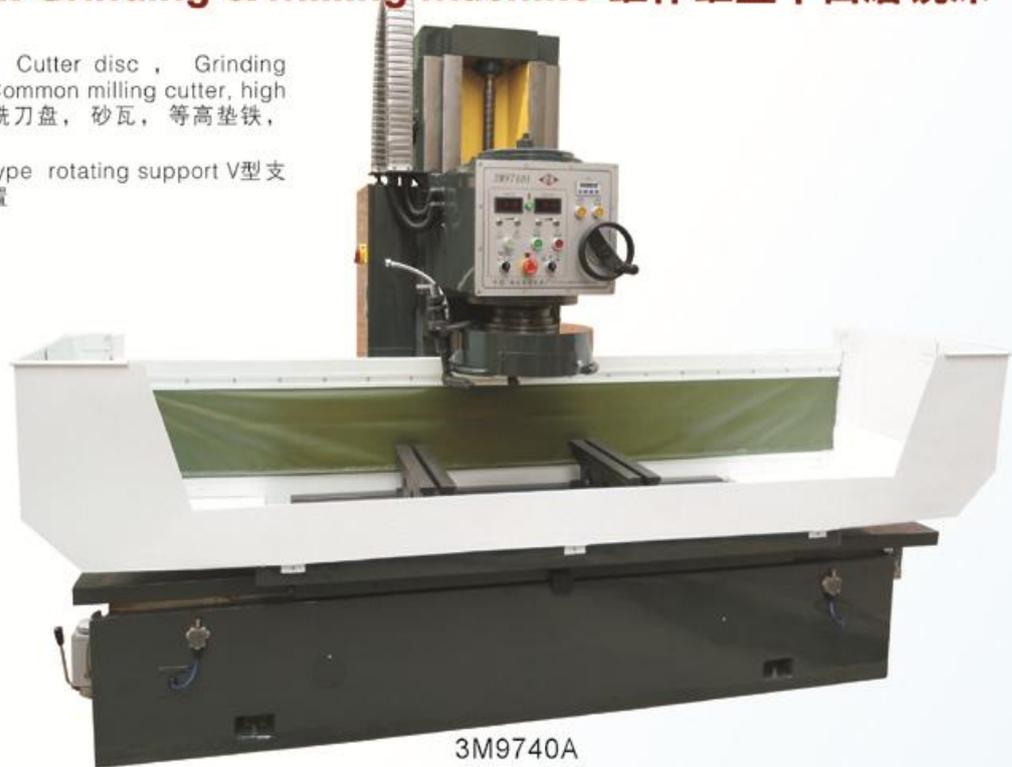
## Main specifications

Model型号	3M9735A x 130	3M9735B x 130	3M9735B x 150
Max length of processing加工最大长度	1300mm	1300mm	1500mm
Max width of processing加工最大宽度	350mm	350mm	350mm
Max height of processing加工最大高度	600mm	800mm	800mm
The vertical moving distance of grinding wheel plate 砂轮垂直移动行程	120mm	60mm	60mm
The vertical moving distance of grinding wheel head 磨头垂直移动行程	/	800mm	800mm
Moving speed of working table工作台移动速度	40-900mm/min		
Dimensions of working table工作台尺寸	1300x500	1300 x 500	1500x500

# Cylinder Block Grinding & Milling Machine 缸体缸盖平面磨铣床

**Accessories 附件:** Cutter disc, Grinding stone, Parallel support, Common milling cutter, high strength milling cutter, 铣刀盘, 砂瓦, 等高垫铁, 普通铣刀, 高强度铣刀,

**Optional 可选:** V-type rotating support V型支架 Digital display 数显装置  
Magnetic disc 电磁吸盘



3M9740A

## Main specifications

Model 型号	3M9740A
Max. Travel of the worktable 工作台最大行程	1860 mm
Dimension of worktable 工作台尺寸	1500x500 mm
Max. length of processing 加工最大长度	1400 mm
Max. width of processing 加工最大宽度	400 mm
Max. height of processing 加工最大高度	800 mm
Diameter of cutter disc 砂瓦盘直径	400 mm
磨头垂直移动行程	810 mm
工作台移动速度范围	40-900 mm/min
主轴电机转速 (变频调速)	150-1200 r/min
主轴电机功率	5.5 Kw
工作台进给电机功率	1.1 Kw
磨头快速升降电机功率	0.55 Kw
冷却电机功率	0.09 Kw

## Features

3M9730 is mainly suitable for grinding and milling the surface of cylinders body and head surface of middle and small type engine. It is used for finishing flat of general part also.

## 结构特点:

本机床主要用于小型发动机缸体缸盖结合面修磨和铣削, 以达到结合面的精度要求。本机床也可以加工一般零件的平面。

Model	3M9730
Range of finish area 加工范围	700x180,600x225, 500x260,400x285, 350x300mm
Max. height to finished最大加工高度	400mm
Min.height to finished最小加工高度	50mm
Max.supply distance最大进给行程	200mm
Table area 工作台面积	800x300mm



3M9730

# Line Boring Machine 缸体轴瓦镗床

## Features

Model T8120x20 and T8115Bx16 cylinder body bushing boring machines are repairing machine tools with high efficiency and high precision. Which were developed in our factory. They can be used for boring master bushing and can bushing of engine & generator's cylinder body in automobiles, tractors and ships etc. if necessary, the flywheel hub bore and bushing seat hole can be also finely bored. In order to reduce auxiliary manhours and labour intensity and guarantee machining quality, accessories for centering, Align cutter gauge, measuring inner diameter, boring rod bracket, tool holder to increase diameter, boring tool micro-adjuster can be provided with the main machine.

## 结构特点:

T8120x20、T8115Bx16型缸体轴瓦镗床，是适合于汽车、拖拉机、船舶发动机及发电机缸体的主轴瓦和凸轮轴瓦镗削。为减轻操作者的劳动强度，缩短辅助时间和保证加工质量，该机床备有对中、对刀和内径测量表以及镗杆托架、加大刀盘、镗刀微调器及远距离对刀装置等附件。



T8120x20



Align Cutter Gauge 对刀表  
Cylinder Clamping Device 缸体夹紧装置  
Boring Cutter 镗刀

Align Center Gauge 对中表  
Boring Bar 镗杆

## Main specifications

Model型号	T8115Bx16	T8120x20	T8120Ax20	LB2300
Dia. Range of boring hole 镗孔直径范围 mm	Φ36-Φ150	Φ36-Φ200	Φ28-Φ225	Φ22-Φ250
Max. length of cylinder body 最大缸体长度	1600mm	2000mm	2250mm	2300mm
Main shaft max length 主轴最大长度		300mm		550mm
Main shaft rotating speed 主轴转速	210-945rpm (6 steps)		I:30-150rpm II:93-467rpm	30-467rpm stepless
Boring rod feed quantity 镗杆进给量 mm/rad	0.044, 0.167		0.43;0.085;0.125	0.044;0.078;0.121;0.176
Motor Power 电动机功率	0.75Kw / 1.1Kw		1.5Kw	1.5Kw
Stepless regulating speed+Synchronous belt wheel (Optional) 无级调速 (可选)	Main shaft rotating speed (stepless) 主轴转速 (无级)	30-467r/min	/	/
	Boring rod feed quantity 镗杆进给量	0.044, 0.167mm/rad	/	/
	Motor Power 发动机功率	1.5Kw	/	/

# Line Boring Machine 缸体缸盖线性镗床

## Features

This machine is a small size machine which, however, has a wide range of application. Though it has been specially designed for reconditioning the seat of cylinder head camshafts with through or blind axis, it can also be used for reconditioning the seat of cylinder block crankshafts in cars and light-weight trucks. The machine is sturdy and compact and allows for accurate machining. Direct rotation of the motor and chuck shaft is obtained via a highly flexible belt. Feed is stepless variable and can be controlled by a hydraulic and pneumatic system.

## 结构特点:

本机型号小但应用范围很广，它的设计是专门用于气缸盖的盲孔凸轮轴或通孔凸轮轴的再修理，也能用于汽车和轻型卡车气缸体曲轴的再修理。它的结构非常紧凑坚固，允许精密加工。卡盘轴的转动是通过柔韧的皮带的传递来实现的。它的无级进给可以由液压系统来控制，也可以由气动系统来控制。



## Accessories:

Align Cutter Gauge 对刀表  
Cylinder Clamping Device 缸体夹紧装置

Align Center Gauge 对中表  
Boring Bar 镗杆

Boring Cutter 镗刀

## Main specifications

Model	T8108
Shaft 主轴	Φ32x980mm
Boring range 镗孔范围	Φ24-Φ85mm
Distance between iron gasket and shaft center 垫铁至镗杆中心的距离	45-295mm
Max. moving length of shaft 主轴最大移动长度	100mm
Main cylinder rotating speed 主轴转速	580, 272rpm
Supply quantity of shaft 镗杆的进给量	Stepless
Machine size 机床外型尺寸	1620x700x1370mm
Packing size 包装尺寸	1720x820x1570mm
Total weight 总重量	800kg

# Con-rod Boring Machine 连杆瓦镗床

## Features

This machine can be used with cylinder body bushing boring machine Model T8115Bx16. It has good performance, better structure easy operation and high accuracy. It is mainly used in boring rod bushing hole (rod bushing and copper bush) of diesel and gasoline engine of automobiles and tractors. In case of necessity, rod bushing seat hole can be fine bored. The rough and fine boring processing for the holes on other parts can be also completed after changing the corresponding clamps. Besides, it has the accessories for centering sectifying tool, boring tool and boring micro-adjustment etc.

## 结构特点:

该机床可以和我厂的T8115型缸体轴镗床配套使用，机床液压驱动性能优良，结构合理，外形美观，操作方便，加工精度高。主要应用于镗削汽车、拖拉机汽油发动机和柴油机的连杆轴承孔（连杆及铜套），必要时也可以对连杆轴承底座空进行微量修镗；更换相应的夹具，也可完成其它零件上孔的粗糙镗工序。该机床备有对中、对刀量表、镗刀、调刀架等附具。



Align Center Gauge 对中表  
Align Cutter Gauge 对刀表

Positioning Core Axle and  
Expanding Core Axle  
心轴和调整片

3M9916  
Grinding Machine of End Plane  
连杆端面磨削机

CRH60  
Lin Pin Hole Heater  
连杆销孔加热器

T8210D

## Main specifications

Model	T8210D	T8216
Bored hole diameter 镗孔直径范围	Φ16-Φ100 mm	Φ15-Φ150 mm
Distance of rod 2 hole centers 连杆两孔中心距离	100-425mm	85-600mm
Work table travel 工作台行程	220mm	320mm
Main shaft speed 主轴转速	350, 530, 780, 1180rpm	140, 215, 355, 550, 785, 1200rpm
Boring rod diameter 镗杆直径	14, 16, 24, 40mm	14, 29, 38, 59mm
Main motor power 主电机功率	0.65 / 0.85KW	0.85 / 1.1KW
Dimensions 外形尺寸	1150x570x1710mm	1300x860x1760mm
Net Weight 净重	800kg	920kg

# Con-rod Boring & Grinding Machine 连杆镗磨床

## Features

TM8216 is mainly applied to bore and grind bearing holes (including copper quill and connecting-rod tile) on connecting rod of gasoline and diesel engine in automobile, tractor and other power sources. Customer also can carry out fine boring or grinding process to connecting rod bearing seat of deformed workpiece, after grinding combining surface, to ensure the parallelism of two center lines. Equipped with various specialized fixture, it can be used to complete fine boring and grinding process to piston pin hole, gas pump bearing hole and valve seat hole, etc.

## 结构特点:

本机床主要用于镗削汽车拖拉机及其它动力机械用汽油发动机和柴油发动机的连杆轴承孔（连杆瓦及铜套孔）也可以对连杆轴承座两结合面进行磨削后对轴承座孔进行精削或精磨，使变形后的连杆通过精加工来保证两孔中心线的平行度。配备各种专用夹具，它可以用来完成精镗和磨削工艺，以活塞销孔，天然气泵轴承孔和阀座孔等



- Align Cutter Gange 对刀表
- Align Center Gange 对中表
- Boring Cutter 镗刀
- Positioning Core Axle 定位芯轴
- Expanding Core Axle 可胀芯轴
- Boring Bar 刀杆
- Grinding wheel 砂轮

3M9916

CRH60

TM8216

## Main specifications

Model型号	TM8216
Range of hole diameter to be bored 镗孔直径范围	φ20-160 mm
Range of hole diameter to be grinded 磨孔直径范围	φ30-160 mm
Range of 2 rod hole centers distance 连杆两孔中心距范围	80-650 mm
Longitudinal travel of worktable 工作纵向行程	450mm
Boring head motor 镗头电机	0.55/0.75KW
Grinding head rotation/revolution motor 磨头自转/公转电机	0.55/0.37KW
Hydraulic system motor 液压驱动电机功率	0.55KW
Machine dimension 机床外形尺寸mm	1700x1300x1800
Net weight 机床重量	1400kg

# Vertical Honing Machine 立式珩磨机

## Features

2M2217A is mainly used for honing holes of cylinder body and sleeve holes for various engines and other accurate holes.

Stepless of spindle turning feeding, reciprocating

The short stroke machine can be used for making the workpiece conveniently

The diameter of the honing head can be varied in the honing process according to the user's need.

## 结构特点:

2M2217A主要用于珩磨加工各种发动机缸孔和缸套孔以及其他精密孔。主轴往复无级变速。可进行短程磨削，方便地修整工件磨头直径可在珩磨过程中根据用户需要随意改变。



2M2217A

## Standard accessories 标准附件:

Honing head MT62 ( honing holes 62-82) 珩磨头  
Tool box 工具箱



①

## Optional accessories:

Honing head MT82 ( honing holes 82-110) 珩磨头  
Honing head MT110 ( honing holes 110-170) 珩磨头  
Honing head MT40 ( honing holes 40-62) 珩磨头



①



②

③

## Main specifications

Model型号		2M2217A
Honing diameter range 珩孔直径范围		φ40-φ170mm
Max. honing depth 最大珩孔深度		300mm
Telescopic length of spindle connecting rod 主轴接杆伸缩长度		120mm
Spindle speeds(four steps) 主轴转速(四级)		130,180,240,365 mm/min
Spindle alternating motion speed(stepless) 主轴往复运动(无级)		3-18m/min
Max. spindle travel 主轴最大行程		270mm
Distance from spindle axis to column vertical plane 主轴中心线至立柱面距离		300mm
Dimensions of the surface 工作台面尺寸		400x1000mm
Table longitudinal travel 工作台纵向行程		800mm
Machining accuracy 加工精度	Roundness 圆度	0.003mm
	Cylindricity 圆柱度	0.005mm
	roughness 表面粗糙度	Ra0.4
Overall dimension 外形尺寸		1900x1176x2169 mm
Packing Size 包装尺寸		1440x1770x2225 mm
Net/Gross weight 毛净重		2500/3000 kg

# Vertical Honing Machine 珩磨机

## Features

This machine enjoys simple structure, easy operation and high working accuracy. Reciprocation head is hydraulic driven. Expansion and contraction of honing head is controlled by the feed handwheel directly. This machine is used for honing of cylinder block bores, cylinder liner bores etc. Hydraulic cylinder bores, precision bores etc. Roundness 0.0025mm and surface finish Ra 0.4 can be obtained. Bore taper can be corrected by using short stroke.

## 结构特点:

本机床结构简单，操作方便，精密度高。主轴往复运动为液压缸驱动，主轴旋转为齿轮有级变速。珩磨条的涨出由进刀手轮直接进行操纵。本机床精加工各种发动机缸体孔、缸套孔、液压缸孔及其它精密孔等。圆度可精确到0.0025毫米，表面可精确到0.4微米。珩磨条利用短行程操作可修整工件孔的锥度。



珩磨头及连杆  
Honing Tool and Connecting Rod



M4215

## Main specifications

Model型号	M4215	M4215/1
Honing Diameter 珩孔直径	50-150mm	30-150mm
Max.Honing depth 珩孔最大深度	400mm	
Spindle speeds (4 steps) 主轴速度 (4级)	112、160、224、315r/min	
Max.spindle travel 主轴最大行程	370mm	
Telescope displacement length of spindle connecting rod 主轴接杆伸缩移动长度	180mm	
Spindle reciprocation speed 主轴往复速度 (无级)	3-18m/min	
Distance between the lower end of spindle connecting rod and worktable surface after extending spindle connection rod 主轴接杆伸出后端面至工作台面距离	475-845mm	
Distance between spindle axis to column 主轴中心至立柱前表面距离	350mm	
Worktable travel longitudinal / Traverse (工作台行程纵向/横向)	800/60mm	
Worktable size 工作台面尺寸	480 x 1100mm	
Worktable height 工作台高度	470mm	
Max. working pressure of hydraulic system 液压系统最大工作压力	25bar	
Supply flow of coolant pump 冷却泵输油量	22l/min	
Total output 电机总容量	4.525Kw	
Motor for spindle rotation 主轴旋转用电机	2.2Kw	
Hydraulic pump motor 液压泵用电机	2.2Kw	
Coolant pump motor 冷却泵电机	0.125Kw	

# Cylinder Honing Machine 珩磨机

## Features

3MB9817 is mainly used for honing single line engine cylinders and V-engine cylinders of automobiles ,motorcycles and tractors , and also for other machine element holes.

- The machine table can shift of the fixture change 0 degree, 30 degree and 45 degree
- The machine table is easily up and down manually 0-180mm.
- Reverse precision 0-0.4mm.
- Select mesh-wire degree 0-90 or non-mesh-wire

## 结构特点:

3MB9817主要用于珩磨修直式与V式汽车发动机气缸，也可翻新拖拉机、摩托车发动气缸。

工作台可旋转0度、30度、45度三种位置。

工作台上下升降0-180mm。

主轴上下换向精度小于0.4mm。

珩磨孔内壁可任意选择有规律网纹角（0度-90度）操作简单，生产效率高。刚性好，珩磨量大。

3MB9808 is mainly used for honing engine cylinder of automobiles, motor cycles , cars and tractors , and also for making other machine tools. It has compact frame, small volume , can operate easily , have manual operator and motor operator. When the main spindle moving up and down, precision of switch direction less than 0.4mm . Good rigidity and amount of cutting .

3MB9808 主要用于摩托车、汽车、拖拉机及风动工具的缸体珩磨，也可以加工一些其他机械零件。机床结构紧凑，体积小，操作方便，具有手动和机动功能。主轴上下运动时，换向精度小于0.4mm。刚性好，珩磨量大。



3MB9817



3MB9808

## Main specifications

Model型号	3MB9817	3MB9808
Max. diameter of hole honed 最大珩孔直径	25-170 mm	25-82mm
Max depth of hole honed 最大珩孔深度	320 mm	200mm
Spindle speed 主轴转速	120, 160, 225, 290 rpm	200; 280rpm
Stroke 冲程	35, 44, 65 s/min	19;27 s/min
Power of main motor 主电机功率	1.5 kw	0.55kw
Power of cooling pump motor 冷却泵功率	0.125 kw	0.09kw
Machine working inside cavity dimensions 机床工作内腔尺寸长×宽	1400x870 mm	600x380mm
Overall dimensions 机床外形尺寸	1640x1670x1920mm	600x850x195mm
Machine weight 整机重量	1000 kg	500kg

# Cylinder Honing Machine 珩磨机

## Features

3M9814A/3MQ9814 Cylinder Honing Machine are mainly used for honing automobile and tractor cylinders with diameters from  $\Phi 40$  to  $\Phi 140$  after boring process.

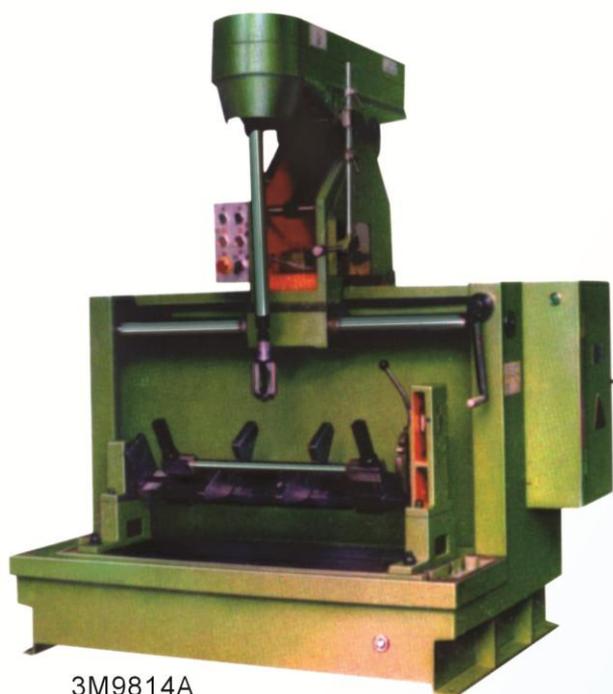
The features of the machines are small in size, light in weight. 3M9814A tool proper can be slid longitudinal; 3MQ9814 is simple in construction, the machine tool proper can be slid crosswise on the table top. They are easy to operate. The up-and-down reciprocating motion of which can be adjusted randomly. Honing process can be carried out after the cylinder block to be honed is placed on the worktable, adjusted to center position and secured.

## 结构特点:

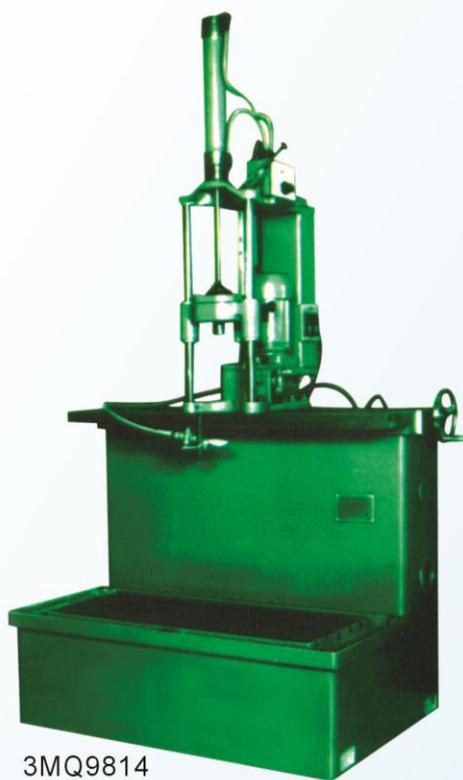
3M9814A/3MQ9814珩磨机用于直径40-140的汽车、拖拉机汽缸在镗削后进行珩磨加工

特点: 体积小、重量轻

3M9814A主机可沿纵向任意滑动; 3MQ9814结构简单, 主机可在台面上沿横向任意滑动。其操作方便, 珩磨头上下反复运动由液压控制, 速度可以任意调节。使用时将需要加工的汽缸放在工作台上然后调节中心位置, 固紧后即可珩磨。



3M9814A



3MQ9814

## Main specifications

Item 项目	3M9814A	3MQ9814
Dia. of hole honed 珩孔直径	40-140mm	40-140mm
Max. depth of hole honed 最大珩孔深度	320mm	320mm
Spindle speed 主轴转速	128;240r / min	125;250r / min
Max. spindle travel 主轴最大行程	/	340mm
Longitudinal travel of honing head 珩磨头纵向移动量	720mm	/
Spindle lifting and lowering speed (stepless) 主轴升降速度 (无级)	0-10m / min	0-14m / min
Power of honing head motor 磨头电机功率	0.75kw	0.75kw
Power of oil pump motor 油泵电机功率	/	1.10kw
Power of cooling pump motor 冷却泵电机功率	/	0.12kw
Overall dimensions(L*W*H) 外形尺寸 (长*宽*高)	1400×960×1655mm	1290×880×2015mm
Net weight 重量	510kg	510kg

## Brake Drum/Disc Cutting Machine 制动鼓盘切削机

### Features

This equipment is a kind of lathe. It can fulfill the reparation of the brake drum, disc and shoe of quto-mobiles from mini-car to heavy trucks. The unusual feature of this equipment is its twin spindle each other perpendicular structure. The brake drum/shoe can be cut on the first spindle and the brake disc can be cut on the second spindle. This equipment has higher rigidity, accurate workpiece positioning and is easy to operate.

### 结构特点:

这台设备是车床的一种。它能完成从微型到中型汽车的制动鼓，制动盘和制动蹄片的修理工具。它突出的特点是具有相互垂直的双主轴结构。在第一主轴完成制动鼓和制动蹄片的切削加工。在第二轴上完成制动盘的切削加工。这台设备具有较高的刚度，工作定位精确并且易于操作。这台设备配有外置式承架，以提高第一主轴的承载能力。此外，这台设备还配有起吊装置，这使得重型制动鼓的装卸易于进行。



T8465



T8445(FCV)

### Main specifications

Model型号	T8465	T8445(FCV)	T8440
Drum dia capacity 可加工制动鼓直径	180-650 mm	180-450 mm	200-400 mm
Disc dia capacity 可加工制动盘直径	≤500 mm	≤400 mm	≤400 mm
Spindle speed (three grades) 主轴转速三级	24, 40, 70 r/min	30, 50, 85 r/min	60, 90, 120 r/min
Tool post travel 刀架行程	250 mm	170 mm	100 mm
Feed rate 刀台进给量	0.16 mm/r	0-0.5 mm/min	7.6-26 mm/min
Motor 电机	1.1/1400 kw/rpm	1.1/1400 kw/rpm	0.75/1400 kw/rpm
Dimension 外型尺寸 (not include crane and outboard supporter)	800×875×940 mm	820×1080×1280 mm	770×650×1130 mm
Net weight 净重	580 kg	320 kg	195 kg

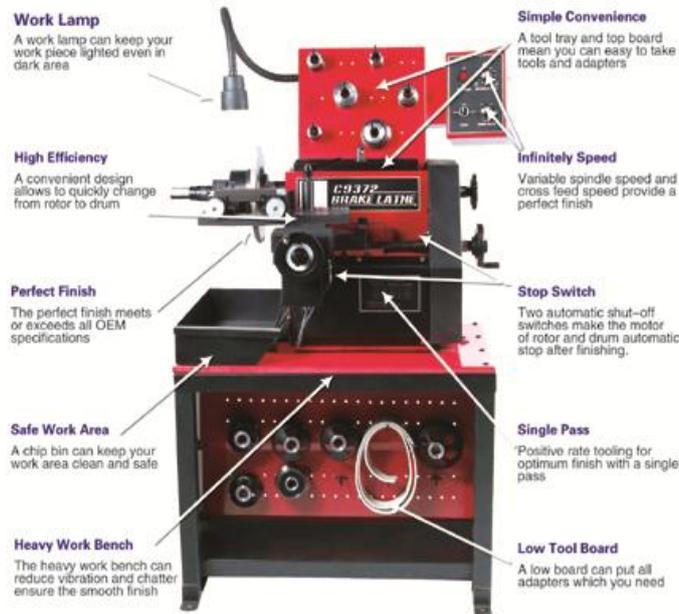
# Brake Drum/Disc Cutting Machine 制动毂盘切削机

## Features

- \*Quickly, accurately and efficiently to cutting rotor;
- \*Fast and slow setting allow cutting rotor;
- \*Quick, accurately and efficiently to cutting drum; \*Finitely adjustably setting allow cutting drum;
- \*Three kinds of speed to choice for spindle speed; \*Fully equipped adapter package;
- \*A convenient design allows to quickly change from rotor to drum;
- \*Position of stop make the lathe stop automatic after the cutting.

## 结构特点:

加工精度高，自动化程度高，操作简便。本机采用双刀同时两面切削，精度高速度快。选材精良、工艺先进，重要零部件采用优质合金钢制造，耐磨耐用。蜗轮、轴瓦均采用优质铜合金、优质锌基合金制造。附件配备完善；整体配有两种芯轴，以适应大小车型制动毂/的加工，配用了各种常用车型的装卡胎具。



C9372



C9350

## Main specifications

Model型号	C9350	C9370	C9372
Spindle Travel 主轴行程	175mm	251mm	\
Spindle Speed 主轴转速	70, 80, 118rpm	70,88,118 rpm	70-320 rpm
Spindle Feed Speed 主轴进给速度	Min 0.05mm/rev	Min 0.05mm/rev	Rotor and drum feed rates 0-0.66mm
	Max 0.5mm/rev	Max 0.5mm/rev	
Cross Feed Speed 横向进给速度	Min 0.05mm/rev	Min 0.05mm/rev	
	Max 0.5mm/rev	Max 0.25mm/rev	
Handwheel Graduations 手柄刻度	0.05mm	0.05mm	
Rotor Diameter 制动盘直径	180-381mm	180-457mm	102-610mm
Rotor Thickness 制动盘厚度	48mm	102mm	73mm
Drum Diameter 制动鼓直径	152-711mm	152-711mm	152-711mm
Drum Depth 制动鼓深度	175mm	251mm	229mm
Motor 电动机	1PH 110V/220V 50/60HZ , 3PH 380V 50/60HZ		1PH 110V/220V 50/60HZ
Gross Weight 毛重	290kg	400kg	300kg
Dimension 外型尺寸	970x920x1140mm	1100x1070x1140mm	1000x860x1300mm

Remark: C9350C and C9370C are the improved model, use precision electric DC servo motors to meet the demanding requirement of industrial motion control

# On Car Brake Disc Cutting Machine 就车式制动盘切削机

## Features

- \*Provide variable speed and rotation torque during brake machining is a characteristic of this equipment
- \*The spindle rotation speed swivels within a certain range ,this can eliminate the mechanical resonance and enable the machined surface to be smooth
- \*The 1.5-hp powerful motor can machine brakes for 4-wheel drive automobiles,1T trucks and even medium duty truck's rear wheels easily
- \*The micro-round cutter blade can undergo knock , it can be rotated by an angle after it has been worn to elongate its service life
- \*The brake lathe can be rotated 180° to machine the automobile at its another side. It is very convenient in use because it is unnecessary to remove the bolts and move the arbor
- \*The unique twin-arbor design makes it be adjusted conveniently and the machining with high efficiency
- \*Semiautomatic operation system; Automatic safety and shutdown system; Fast connection system
- \*Intermittent feed mechanism makes the machined surface conform to be the demands of use

## 结构特点:

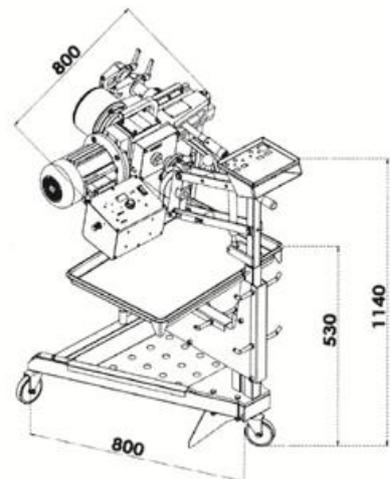
- \*在制动盘加工中,提供可变的转速和旋转扭矩,是该设备的特点。
- \*主轴转速在一定范围内摆动,可消除机械共振,使得加工表面光滑。
- \*1.5-hp大功率电机,能够轻松加工四轮驱动汽车,1吨卡车,甚至中型卡车的后轮。
- \*机夹圆刀片能够承受磕碰,磨损后可旋转一个角度,延长刀片使用寿命。
- \*车床可旋转180°到汽车的另一侧进行加工,不必拆螺栓,移动刀杆,使用起来非常方便。
- \*独特的双刀杆设计,便于调整,加工过程效率高。
- \*半自动操作系统。
- \*自动的安全和停车系统。
- \*快速连接系统。
- \*间歇式进给机构,使加工表面更符合使用要求。



OTCL450A

## Main specification

Model型号	OTCL450A
Maximum Rotor turning diameter 制动盘最大旋转直径	360mm
Maximum rotor thickness 制动盘最大厚度	51mm
Maximum rotor friction surface area 制动盘最大摩擦面宽度	76mm
Feed distance 进给距离	110mm
Spindle revolutions 主轴转速	Variable speed30-120rpm
Electric power 电源	220VAC 50/60HZ 15A
Motor power 电机功率	1.5HP(1.1kw) @3450rpm
Dimensions 尺寸	1070x970x700mm
Gross weight 毛重	130kg



# Vertical Brake Drum Cutting Machine 立式制动鼓切削机

## Features

T8370 NC Brake drum cutting machine is an advanced brake drum machining equipment contributed by our factory to customers recently. The operation, stop and speed change of the spindle is completely controlled by computer, with easy and convenient operation, advanced in performance and reliability.

The spindle is used with advanced variable frequency and adjustable speed, it can achieve stepless speed regulating from 30–130r/min. All operations are controlled by keyboard and knobs. In the case of machine unstopping, the spindle speed can be changed at will. A chuck is equipped on spindle with wide application for lathe type: it is very convenient for set up of brake drum without wheel hub, very convenient for your application.

## 结构特点:

整个操作全部由电脑控制，主轴采用先进的变频调速，可从30–130转/分任意调节，整个调速只用一个旋钮控制，可在不停车的情况下改变主轴转速。

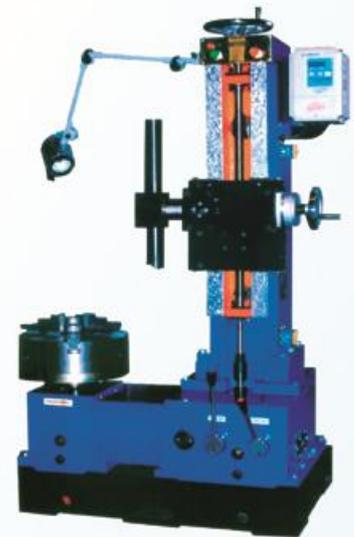
采用宽大底座设计，使整机刚性更强。主轴装卡配备标准卡盘，使您对无轮毂制动鼓的装卡更加方便、实用。配备完善的随机附件和任选附件，适应大部分车型。一机多用，配上盘式胎具可加工蹄片。

## Main specifications

Model型号	T8370
Cutting diameter 最大切削直径	200–700mm
Max. Cutting depth 最大切削深度	320mm
Spindle speed 主轴转速	30–130r/min(stepless regulating)
	Fast 0.30 mm/r
Feeding speed 进给速度	Slow 0.20mm/r
Motor 电机	380V 2.2KW 50–60HZ

Model型号	T8360A/60B
Range of processing diameter 切削直径范围	180–600mm
Rotating speed of workpiece 工件转速	27. 45. 70 r/min
Working travel of slideboard 滑板工作行程	450mm
Motor power 主电机	1.1 Kw
Packing size 包装尺寸	1200x1040x1630mm
Net/Gross weight 毛净重	800/900 kg

Model 型号	C9365	C9335
Drum diameter 切削制动鼓直径	350–650mm	180–350mm
Rotor diameter 切削制动盘直径	180–480mm	≤ 400mm
Range speed of workpiece 工件转速	30,49. 88 r/ min	90r/min
Max travel of tool 刀具最大行程	256 mm	100mm
Motor Power 电机功率	1.1Kw	0.75 Kw
Packing Size 包装尺寸	1165X956x915mm	750X710X730mm
Net/Gross weight 毛净重	650/800kg	200/260kg



T8370



T8360A/60B



C9335

## Flywheel Grinding Machine 飞轮盘磨床

### Features

3M9940 is mainly used for regrinding the automobile engine flywheel disk and clutch friction plate in repair units and network points to carry out automobile maintenance & repair service

### 结构特点:

本机床主要适用从事汽车保修服务的修理单位，服务网点进行汽车、拖拉机等发动机飞轮盘及离合器摩擦片的修磨。

### Main specifications

Model型号	3M9940
Max. diameter of workpiece 加工工件最大直径	510mm
Diameter of rotary table 回转工作台直径	390mm
Space from worktable surface to the end surface of grinding wheel 工作台面至砂轮端面距离	0-200mm
Grinding wheel diameter 砂轮直径	150mm
Worktable rotating speed 工作台转速	36 r/min
Grinding wheel rotating speed 砂轮转速	2840r/min
Power of grinding head motor 磨头电机转速	4Kw
Power of worktable motor 工作台电机转速	0.75Kw



3M9940

## ZGCF Brake Hub Disassembly and assembly overturning stand 制动毂拆装翻转架

### Features

Design is unique, appearance is neat and structure is reasonable.  
Operation is convenient, reducing labor intensity and improving efficiency.  
Foot-operated hydraulic drive, lifting is flexible

### 结构特点:

独特的设计，外观简洁，结构合理  
操作方便，减轻劳动强度，提高功效  
脚踏液压驱动，升降灵活

### Main specifications

Model型号	ZGCF1.6
Carrying weight 额定托载质量	160kg
Jack range托高范围	390-610mm
Applicable hub diameter适用毂径	320-500mm
External dimension 外形尺寸	775x715x820mm
Machine weight 机器质量	98kg



ZGCF

# Aluminum -Rim Straightening Machine 轮毂修复机

## Features

Rim Straightening Machine is consist of balance testing , machine work, hydraulic pressure straightening . It won't damage aluminum alloy molecule structure or mechanical property , to repair various type of Auto Aluminum Alloy Rims. This equipment has been exported to America , Australia , Hungary, Russia , Middle east and etc, has enjoyed high reputation of customers worldwide. It is widely used in domestic automobile maintenance filed at present. It has advantage of convenient use and easy operation. It is the most ideal machine to make the rim restore its ideal using performance after break or distortion.

## 结构特点:

铝合金钢圈修复机包括动平衡检测、机械加工、液压整形三部分。它在不破坏铝合金的分子结构和力学性能的情况下，修复各种类型的汽车铝合金轮毂。该设备已经出口到美国，澳大利亚，匈牙利，俄罗斯，中东等国家，得到各国用户的好评。产品也在不断更新，力求在该领域中做的更好。铝合金钢圈修复机是目前国内汽修行业广泛使用的一种机械设备，它具有使用方便，操作简单，对铝合金的变形、扭曲、断裂修复后达到理想的使用性能。



**Machine Size:**13900x1400x900  
**Machine weight :** 330kg  
**Noisy:** 75 db  
**Power supply:** 380V/220V/110V  
**Motor power:** 0.75kw  
**Hydraulic motor power:**1.1 kw

Hydraulic Control Valve



液压控制阀

Control Panel



控制面板

Mechanical Lathe



机械车床

Hydraulic Control Valve



液压整形油缸



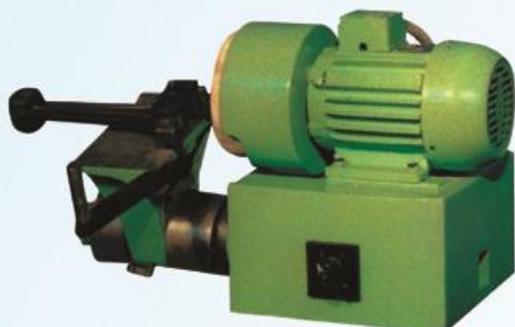
## Portable Maintenance Machine 辅助维修设备

3M9916 is special equipment for regrinding rod big end composition surface.

本机是连杆大端接触面修磨的专用设备。

LFM75 is mainly used for grinding contact surface of connecting rods of automobiles & tractors.

本机主要用于修磨汽车、拖拉机发动机中的连杆分离面。



LFM75



3M9916

Model	LFM75	3M9916
Width of connecting rods ground	20-75mm	20-65mm
Overall dimension(LxWxH)	690x490x565mm	550x400x500mm

CG75 & CG100 are mainly used for grinding contact surface of connecting rods of automobiles & tractors. 本机主要用于修磨汽车、拖拉机发动机中的连杆分离面。

Model	CG75	CG100
Maximum size of the outer cover	200mm	275 mm
Maximum width of cover	75mm	100 mm
Grinding wheel diameter	160 mm	
Grinding wheel motor power	0.55 Kw	
Voltage	220, 380, 415 or 440 V, 3 phase, 50 Hz or 60 Hz	
Calibration	mm or inches	



CG100

CRH60 is mainly used for heat the link-pin hole evenly and ream the pin-hole of auto engine, it also equips with fast installation mechanism which matches with link-pin and piston can keep the position and size of same varieties of new link-pin and piston original situation after they are equipped. Secondly, it also can be used in proper heating assemblage of other mechanical components.

本仪器主要用于汽车发动机连杆销孔均匀加热扩孔，并备用连杆、销与活塞相配的快速安装机构，能使同一类的连杆、销与活塞装配后，其位置尺寸保持一致，此外也可用于其它机械零件的加热过盈装配。



CRH60

TJ8563 can make valve seat, i.e. the valve seat contact and its external and internal, reconditioned or reconstructed and then, doing few strokes of the valves, the perfect seat is achieved between the valve seat and the valve. This machine can be your indispensable equipment in engine repairing.

本机床能容易和精确的完成对气门座圈（即座圈的密封上下）的修正和重制。修正后的座圈经过与气门少量冲击后即可达到完美密封。本机是发动机修理的必备设备。

Model	TJ8563
Max length of cylinder head clipped on the supporter	800mm
Boring diameter of valve seats	φ30-φ63
Spindle travel	10mm
Attraction of electromagnetic plate (AC220V)	500N



TJ8563

# Planer Two Post Lifter 双柱举升机

## Features

Simple operation and control

This is a clearfloor model lift. It features that the operators can work under vehicles without floor obstructions.

Low profile hard rubber lift pads

Can be applied tractors, light trucks and vans with the low-profile lifting pads.

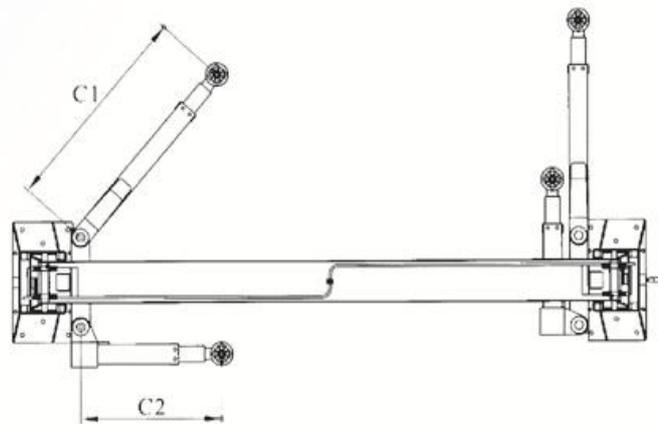
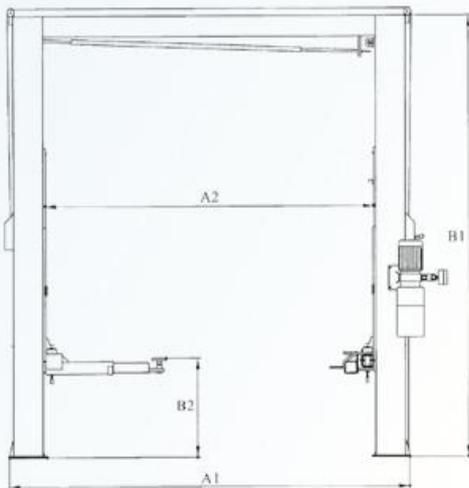
Dual Hydraulic cylinders

Electric/Hydraulic operation

Automatic arm restraints

3600kg lifting capacity

Heavy duty leaf chain



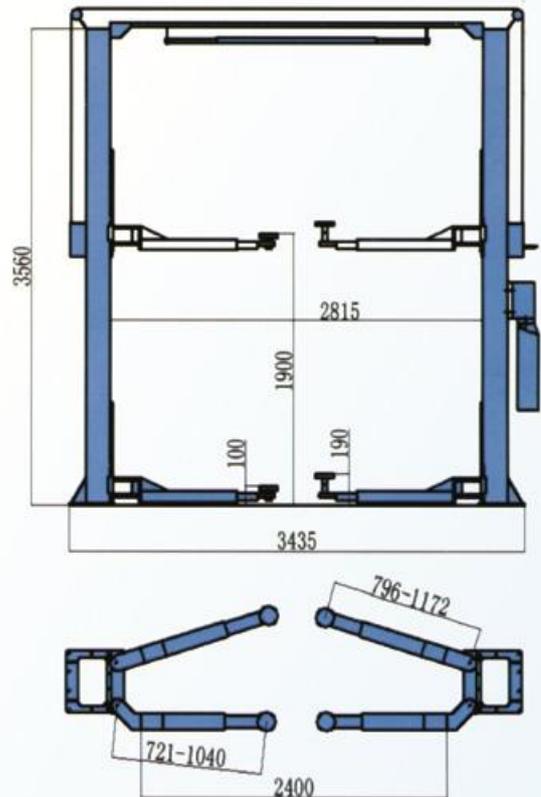
## Specification

Model	Lifting capacity	Overall width(A1)	Width between Inside Columns(A2)	Height(B1)	Lifting range (B2)	Motor Power	Ascend time	Descend time	N. W (kg)
YSJ3.6	3600kg	3370mm	2756mm	3912mm	100-1850 mm	380V/50hz 1.8kw	<75s	30-60s	760
YSJ4.0	4000kg								780
YSJ4.4	4400kg								850

## Two Post Lifter 双柱举升机

### Features

The floor space will not be influenced because of the gantry design.  
 Driven by double hydraulic cylinders, it ascends and descends smoothly.  
 Single side unlocking device  
 Power unit can be installed on any side of the elevator  
 Wide space between pillars.  
 Multi-voltage power supply is available for convenient use.



### Main specifications

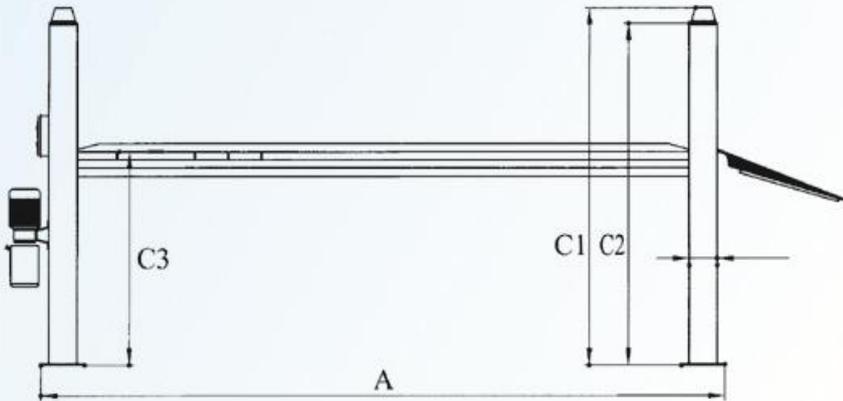
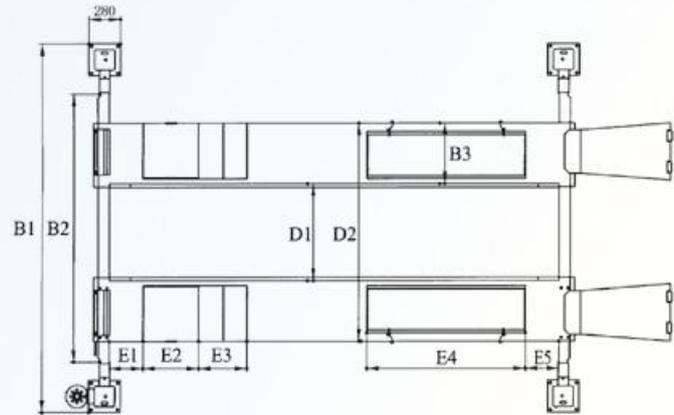
Model	QJY-2-40H1
Lifting weight	4000kg
Lifting height	1900mm
Lifting time	40-50s
Total height	3560mm
Total width	3435mm
Width between pillars	2815mm
Lane width	2400mm
Lowest height	100mm
Power	220V/380V



## Four Post Lifter 四柱举升机

### Features

- Double safety device
- Rolling jack for your option
- For 4-wheel alignment
- With hand pump or air pump
- Rolling jack: with telescopic arms
- With basins on the runway for turntable(435E)



C-435E

## Four Post Lifter 四柱举升机



Loading Pedal



Adjustable rubber pad



C402

Rolling jack(capacity 2 tons)  
(manual type,hydraulic is optional)

### Specification

Model	C435	C435E	C440	C450	C455
Lifting capacity(kg)	3500	3500	4000	5000	5500
A	4360	4960	4560	4974	4974
B1	2920/3220	3220	3220	3220	3220
B2	2040	2340	2340	2190	2190
B3	500	530	530	500	500
C1	2240	2240	2140	2240	2240
C2	2120	2120	2020	2120	2120
C3	170-1750	220-1800	181-1760	219-1800	219-180
D1	870	870	870	870	870
D2	2020	2080	2080	2080	2080
E1	/	400	300	400	400
E2	/	500	500	500	500
E3	/	250x2	250x2	250x2	250x2
E4	/	1410	1110	1410	1410
E5	/	300	300	300	300
Motor Power			380v/50hz	1.8Kw	
Ascending Time	<60s	<60s	<60s	<70s	<70s
Descending Time	>20s	>20s	>20s	>30s	>30s
N.W (kg)	980	1150	1200	1460	1550

Model	Type	Lifting capacity	Lifting height	Length of the platform	N.W
C402	Air/Hand Pump	2000kg	270-550mm	780-1340mm	108kg
C403	Air/Hand Pump	3000kg	270-550mm	780-1340mm	114kg

## Four Post Lifter 四柱举升机

### Features

- 1.Strong Hydraulic Cylinder
- 2.Adjustable runway
- 3.Maintenance free load bearing
- 4.Extra for 3D alignment system
- 5.Open front design for easy under-vehicle access
- 6.Personal design , reasonable aesthetic



Model	Capacity	Lifting Height	Motor Power	Weight	Input Voltage
QJJ20	20T	1500mm	2.2 *4	4T	380V
QJJ30	30T	1500mm	3*4	4.8T	380V

### Features

- 1.Strong Hydraulic Cylinder
- 2.Adjustable runway
- 3.Maintenance free load bearing
- 4.Built-in lift, large bearing capacity
- 5.Open front design for easy under-vehicle access
- 6.Personal design , reasonable aesthetic



Model	Capacity	Lifting Height	Effective Span	Motor Power	Weight	Input Voltage
QJJ20-B	20T	1700mm	3200mm	2.2 *4	2.1-4 T	380V
QJJ30-B	30T	1700mm	3200mm	3*4		380V
QJJ40-B	40T	1700mm	3200mm	3*4		380V

### Features

- 1.Strong Hydraulic Cylinder
- 2.Hydraulic rolling jack
- 3.Automatic safety locks
- 4.Power coat finish
- 5.Open front design for easy under-vehicle access
- 6.Heavy duty steel carriage



Model	Capacity	Lifting Height	Effective Span	Motor Power	Size	Input Voltage
QJJ8-4B	8T	1700mm	3230mm	3 Kw	6860x3750x2411mm	380/220V
QJJ10-B	10T	1700mm	3230mm			380/220V

# Wheel Alignment Scissor Lift With Built in Lifting

## 四轮定位专用子母剪式举升机

### Features

Design for wheel alignment purpose, two levels lifting platform;  
 Adjustable recession for turntables, can be suited for different thickness of turntables;  
 Extra long rear wheel slip plates, for different length of vehicles;  
 Thanks for the simple hydraulic level adjustments, it facility the requirement of high precision level and synchronizations better;  
 Safety ratchets will be opened when lowering, with the oil free nylon sliding blocks;  
 Double safety for hydraulic lock and ratchet system, built in lifting platform with dual pneumatic lock;  
 Additional safety structure design include base frames connection with X style link;  
 Hydraulic pump kit from Italy and Germany



SHL-Y-J-40C

### Specification

Model	SHL-Y-J-40C	SHL-Y-J-45C	SHL-Y-J-55B
Main lifting capacity kg	4000	4500	5500
Main unit lifting height mm	1850	1950	1980
Platform size (LxW) mm	4200x625	4820x690	5220x710
Built in lifting platform lifting capacity kg	4000	4500	5500
Built in lifting platform lifting	height mm	460	500
	Length mm	1400	1500-1800
	Width mm	570	625
Motor	2.2kw/380V(220V)		
Air Pressure mpa	0.6-0.8	0.6-0.8	0.6-0.8
Net weight for the unit kg	2400	2500	2800

## Single post lift 单柱举升机

### Features

QJY-2.0D occupies small floor spaces.  
Driven by hydraulic system,safety and steady.  
Lowest height from floor is 115mm.

Model : QJY-2.0D  
Lifting weight: 2000kg  
Lifting height: 1787mm  
Lifting time: 40-50s  
Total height: 2906mm  
Lowest height: 97mm  
Power supply: 220V/380



QJY2.0D

### Lift of Motorcycle 摩托车举升机



### Main specifications

Model	Capacity (LB)	HEIGHT (MM)		G.W.(KG)	N.W.(KG)	Package size (cm)	Table size (cm)	Ramp size (cm)	QTY/20'CY (PCS)
		MIN	MAX						
ZD 04081	800	180	680	126	104	198*58*26	190*53	42*53	80
ZD 04101	1000	180	780	145	120	217*61*28	206*55	60*55	72
ZD 04101D	1000	180	780	166	138	228*73*28	220*68	60*55	56
ZD 04101B	1000	180	780	145	120	217*61*28	206*55	60*55	72
ZD 04102	1000	180	780	152	125	221*68*28	210*61	60*40	64
ZD 04102Q	1000	180	780	155	128	221*68*28	210*61	60*40	64
ZD 04082	800	210	780	115	95	155*68*30	175*50	45*50	88
ZD 04082Q	800	210	780	118	98	155*68*30	175*50	45*50	88
ZD 04104	1000	220	760	160	135	206*74*28	200*60	60*60	56
ZD 04152Q	1500	180	830	259	232	204*79*35	195*122	58*122	42
ZD 04152AQ	1500	180	830	213	188	204*79*31	195*71	58*71	49
ZD 04103A	1000	85	340	13	12.5	45*27*10	38*23	*	1600
ZD 04301	300	350	870	31	29	49*44*39	41*35	*	340
ZD 04302	300	320	840	30	28	49*44*36	41*35	*	340
ZD 04303	300	350	870	32	30	49*44*39	41*35	*	340
ZD 04304	300	350	870	31	29	49*44*39	41*35	*	340

# Tyre Changer 扒胎机



LT-950A



LT-900A

Item							
Model							
LT420	▲	▲	▲		▲		
LT460	▲	▲	▲		▲		
LT430	▲	▲	▲		▲		
LT450	▲	▲	▲		▲		
LT410A	▲	▲	▲			▲	
LT910	▲	▲	▲		▲	▲	
LT900A	▲	▲				▲	▲
LT950A	▲	▲				▲	▲
LT980A	▲	▲				▲	▲
LT980S	▲	▲				▲	▲
LT-M480	▲	▲	▲	▲	▲		
LT-M490	▲	▲	▲		▲		

## Main specifications

Model	Descriptions
LT420/ LT460	With self-centering function; Optional adapter for motorcycle; Plastic protector special for mount/demount tool; Angles of mount/demount tool can be adjusted and calibrated.
LT430	Same as LT420, and also: with 5 foot operation pedals to make work easier.
LT450	Same as LT420, and also: Working turntable with adjusting & Calibrating functions.
LT410A	Angles of mount/demount tool can be adjusted & calibrated; With self-centering function; Can be used to run flat tire; Assistant arm helps the mount/demount tool to mount the tire onto the rim
LT910	With self-centering function; Clamping system with stepping function; with quick inflation for device tube less tyres; optional adapter for motorcycle; Rubber-pad mount/demount tool; Angles of mount/demount tool can be adjusted & calibrated; Polymer mount/demount tool of high quality prevent damage to the rim
LT900A	Same as LT910, and also: Titing column and pneumatic locking system; Air reserve tank; Robotic arm(optional); Optional wear-resistant washer&gauge.
LT950A	Same as LT910, and also: Suitable for 12" -24" stiff, wide, flat and low-profile tyres; Tower seves as reserve air tank; Optional wear-resistant washer& gauge; Robotic arm(optional)
LT980A	Same as LT910, and also: Suitable for 12" -24" stiff, wide, flat and low-profile tyres; Tilting column and pneumatic locking system, Optional wear-resistant washer& gauge.
LT980S	Same as LT900A, but suitable for 13" -26" stiff, wide, flat and low-profile tyres.

# Tyre Changer 扒胎机

## Features

Suitable for both cars and motor cycles;  
 Angles of mount/demount tool can be adjusted& calibrated;  
 Optional motorcycle mount/demount tool;  
 Slip block seat with position calibration

## Function

	External	Internal
First position	5" -13"	6" -14"
Second position	10" -18"	11" -19"
Third position	16" -24"	16" -24"

With special pressing device motorcycle tire;  
 Support plate with tire center-fixing function.



LT-M480

## Features

Suitable for both cars and motor cycles;  
 Angles of mount/demount tool can be adjusted& calibrated;  
 With self-centering function;  
 With adjusting & calibrating functions in the  
 4 clamps on the turntable:

	External	Internal
First position	6" -15"	8" -17"
Second position	12" -20"	14" -22"

Plastic protector special for mount/demount tool;  
 Clamping system with stepping function.



LT-M490

## Specification

Model	Power supply/ Motor supply	Air supply	Rim Clamping range		Bead breaker force	Max. Wheel diameter	Max. Wheel width	Noise	N.W/G.W
			External	Internal					
LT420	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	10" -18"	12" -20"	2000kg	950mm	13"	<70dB	190kg/221kg
LT460	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	10" -18"	12" -20"	2500kg	1000mm	13"	<70dB	192.5kg/233kg
LT430	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	10" -18"	12" -20"	2500kg	1000mm	13"	<70dB	173kg/210kg
LT450	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	10" -18"	12" -20"	2500kg	950mm	13"	<70dB	190kg/221kg
LT410A	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	10" -20"	12" -22"	2500kg	1100mm	13"	<70dB	207kg/235kg
LT910	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	13" -24"	15" -26"	2500kg	1100mm	15"	<70dB	250kg/307kg
LT900A	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	12" -22"	14" -24"	2500kg	1100mm	13"	<70dB	299kg/354kg
LT950A	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	13" -24"	15" -26"	2500kg	2500mm	15"	<70dB	320kg/375kg
LT980A	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	13" -24"	15" -26"	2500kg	1100mm	15"	<70dB	324kg/379kg
LT980S	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa	13" -24"	15" -26"	2500kg	1100mm	15"	<70dB	397kg/452kg
LT-M480	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa			2500kg	1000mm	13"	<70dB	220kg/252kg
LT-M490	110V/220V/380V(1.1/0.75kw)	0.8-1.2Mpa			2500kg	1000mm	13"	<70dB	175kg/210kg

# Wheel Balancer 车轮平衡机

## Features

- Split weight indicator for hiding weights. (Only for Model CB-V890 and CB-V800)
- LCD or CRT Monitor. (Only for Model CB-V890)
- Operation menu in multi-languages(English,French,Germany and Italian) .(Only for Model CB-V890)
- Automatic gauge(Only for Model CB-V890).
- Self-calibration and full-automatic diagnosis applied. (Only for Model CB-V890)
- Muti-balancing choices of different wheel structures. (Only for Model CB-V890)
- Muti optional positioning ways. (Only for Model CB-V890)
- Optional unbalance value accuracy(1 gram—10gram). (Only for Model CB-V890)
- With imbalance optimization(OPT) function. (Only for Model CB-V890)
- Ounce/gram conversion.
- Automatic tire diameter and distance measuring. (Only for Model CB-V800)
- Many balancing ways to suit different wheel structures. (Only for Model CB-V800)
- Many optional wheel-positioning ways. (Only for Model CB-V800 CB-V530 CB-V500 CB-V550)
- Self-calibration program to ensure a long service lift. (Only for Model CB-V800 CB-V530 CB-V500 CB-V580 CB-V550)
- Unbalance value displayed accurately and the position to add the standard weights is indicated definitely. (Only for Model CB-V800 CB-V530 CB-V500 CB-V580 CB-V550)
- Protective hood(Optional). (Only for Model CB-V800)
- Many choices of balancing,suitable for different wheel structures. (Only for Model CB-V580 CB-V550 CB-V530 CB-V500 )
- Hood-Actuated Auto-start.(Only for Model CB-V580 CB-V550 CB-V530 CB-V500 )



CB-530



CB-520

## Standard accessories



## Technical data

Model	CB-V890	CB-V800	CB-V580	CB-V550	CB-V530	CB-V500
Motor power			110V/220V/380V	250W		
Max. Wheel weight	65kg	65kg	70kg	70kg	65kg	65kg
Rim width			1.5" -20" ( 38-508mm )			
Rim diameter			10" -24" ( 254-610mm )			
Balancing accuracy			± 1g			
Measuring time			6-9s			
Noise			< 70dB			
N.W./G.W. (KG)	125/166	118/159	95/136	103/130	100/141	106/147
Packing size	980X800X 1050(mm)	980X720X 1000(mm)	900X700X 1030(mm)	1000X700X 880(mm)	980X760X 840(mm)	1000X740X 1130(mm)