



### B170A, B200A, B250A Fine Boring Machine

Model			B170A,	B200A,	B250A
Max. boring diameter	Mm		φ170	φ200	φ250
Max. boring depth	Mm		400	500	500
Max. drilling & reaming diameter	Mm		φ30		
Spindle speed	r/min		120-860		
Feeding of the spindle	Mm/min		14-900		
Rapid moving speed of the spindle	Mm/mim		900		
Spindle travel	Mm		700		
Distance between spindle end face and table	Mm		0-700		
Distance between spindle axis and carriage vertical plane	Mm		350		
Max. longitudinal travel of the working table	Mm		1500		
Max. cross travel of the working table	Mm		200		
Worktable size(W*L)	Mm		500*1250	500*1500	500*1500
Quantity of "T" slot	Qua.		5		
Dimensional precision of boring hole			H7		
Machining precision	Roundness	Mm	0.005		
	Cylindricity	Mm	0.01/300		
Boring surface roughness	Um		Ra2.5		
Main motor power	Kw		3		
Overall dimensions (L*W*H)	Cm		260*163*230		
Packing dimensions(L*W*H)	Cm		225*190*227		
N.W./G.W	kg		3300/3600	3500/3800	3500/3800



BM170A, BM200A, BM250A Boring &amp; Milling machine

ITEMS			BM170A	BM200A	BM250A
Max. boring diameter	Mm		φ170	φ200	φ250
Max. boring depth	Mm		400	500	500
Max.milling area	Mm		400x1000		
Max. drilling& reaming diameter	Mm		φ30		
Spindle speed	r/min		120-860		
Feeding of the spindle	Mm/min		14-900		
Rapid moving speed of the spindle	Mm/mim		900		
Spindle travel	Mm		700		
Distance between spindle end face and table	Mm		0-700		
Distance between spindle axis and carriage vertical plane	Mm		365		
Longitudinal feed of worktable	Mm/mim		32-1350		
Rapid moving speed of the table longitudinal travel	Mm/mim		1350		
Max. longitudinal travel of the working table	Mm		1500		
Max. cross travel of the working table	Mm		200		
Worktable size(W*L)	Mm		500*1250	500*1500	500*1500
Dimensional precision of boring hole			H7		
Machining precision	Roundness	Mm	0.005		
	Cylindricity		0.01/300		
	Milling flatness		0.10		
Surface roughness	Boring	Um	Ra2.5		
	Milling		Ra3.2		
Main motor power	Kw		5.5		
Overall dimensions (L*W*H)	Cm		260*163*230		
Packing dimensions(L*W*H)	Cm		225*190*228		
N.W./G..W.	kg		3300/3600	3500 / 3800	3500 / 3800



**BGM170A, BGM200A, BGM250A Boring & Milling-Grinding machine**

ITEMS		BGM170A	BGM200A	BGM250A
Max. boring diameter	Mm	φ170	φ200	φ250
Max. boring depth	Mm	400	500	500
Max.grinding area	Mm	400x1000		
Max.milling area	Mm	400x1000		
Max. drilling& reaming diameter	Mm	φ30		
Spindle speed	r/min	120-1200		
Feeding of the spindle	Mm/min	14-900		
Rapid moving speed of the spindle	Mm/mim	900		
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 worktable	Mm/mim	32-1350		
Rapid moving speed of the table longitudinal travel	Mm/mim	1350		
Max. longitudinal travel of the working table	Mm	1500		
Max. cross travel of the working table	Mm	200		
Worktable size(W*L)	Mm	500*1250	500*1500	500*1500
Dimensional precision of boring hole		H7		
Machining precision	Roundness	Mm	0.005	
	Cylindricity		0.01/300	
	Milling flatness		0.10	
	Grinding flatness		0.08	
Surface roughness	Boring	Um	Ra2.5	
	Milling		Ra3.2	
	Grinding		Ra0.8	
Boring surface roughness	Kw	5.5		
Main motor power	Cm	260*163*230		
Overall dimensions (L*W*H)	Cm	225*190*228		
Packing dimensions(L*W*H)	kg	3300/3600	3500 / 3800	3500 / 3800



### T8590A BORING MACHINE FOR GAS VALVE SEATS

The machine tool suits the needs of various cylinder cover for every engine. 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.

#### SPECIFICATION

Main cylinder moving range	1000x340x160
Main cylinder rotating speed	180
Slide moving range	Transverse 860 Longitudinal 120
Swiveling range	0~7degrees
Rotating range	-30degrees~+30degrees
Boring machine diameter	Φ25~Φ90
Main motor power	1200Kg
Max ex-size of lid	1300x800x1980

#### Characteristics:

- 1、 It's adopted haver working date and special rptatable slide.
- 2、 It can be widelu used with many knives and di.
- 3、 It's rapide-checking and non-pollutioning.
- 4、 Knives can be multi-used.
- 5、 It is suitable for boring lathing.
- 6、 It meets mater heads of all sorts.

## T8560 BORING MACHINE FOR GAS VALVE SEATS



## T8560 BORING MACHINE FOR GAS VALVE SEATS

The machine tool is special equipment for repairing and boring the seat retainer hole of engine valve. The boring head case body and main shaft adopt the progressive flotation technology with the features of immediacy exact centering, reliable repairing boring quality, handiness and high operation efficiency. It can process various cylinder covers and multi-angular valve seat retainer holes.

**SPECIFICATION**

Scope of boring valve seat retainer	Φ20~Φ60mm
Maximum overall dimension of processing cylinder cover(length width height)	1000×300×150mm 600×200×220mm
Speed adjustable range of main shaft	40~420r/min
Vertical movement travel of main shaft	185mm
Maximum swinging angle of main shaft	-6degrees~+6 degrees
Main shaft conic hole	Mohs4 <sup>#</sup> (M.T.4)
Movement range of boring head case body	Transverse: -25mm~+25mm Transverse : 800mm
Back and forth turn angle of jig body	-30 degrees~+30 degrees
Electric total power	2.5KW
Requirement of air supply	0.7Mpa 150L/min
Net weight of machine tool	1400Kg
Overall dimension of machine tool	1600×1100×2290mm

**Characteristics:**

- 1、 Smooth movement of boring head case body, agile swing of main shaft and fast exact positioning.
- 2、 Turning jig, pneumatic locking & handiness.
- 3、 Multi-specification form cutter and setting spindle with wide applicability.
- 4、 Vacuum detection system for fast detection.
- 5、 Special tool sharpener to be convenience for regrinding cutter.



### T8590 BORING MACHINE FOR GAS VALVE SEATS

The machine tool suits the needs of various cylinder cover for every engine. 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.

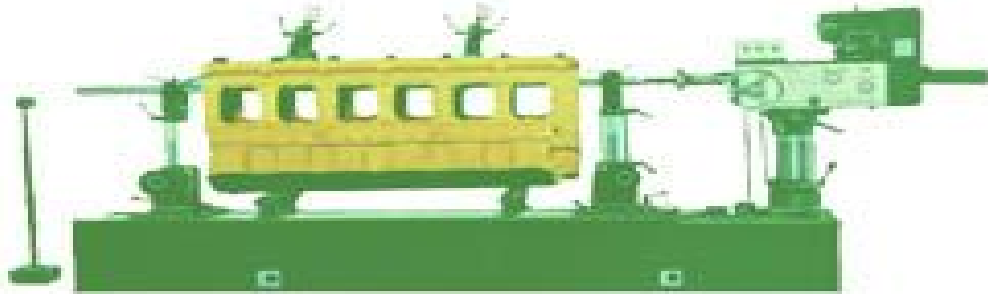
#### SPECIFICATION

Main cylinder moving range	1000×340×160
Main cylinder rotating speed	180
Slide moving range	Transverse 860 Longitudinal 120
Swiveling range	0~7degrees
Rotating range	-30degrees~+30degrees
Boring machine diameter	Φ25~Φ90
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## T8115×16 CYLINDER BODY BUSHING BORING MACHINE



### T8115×16 CYLINDER BODY BUSHING BORING MACHINE

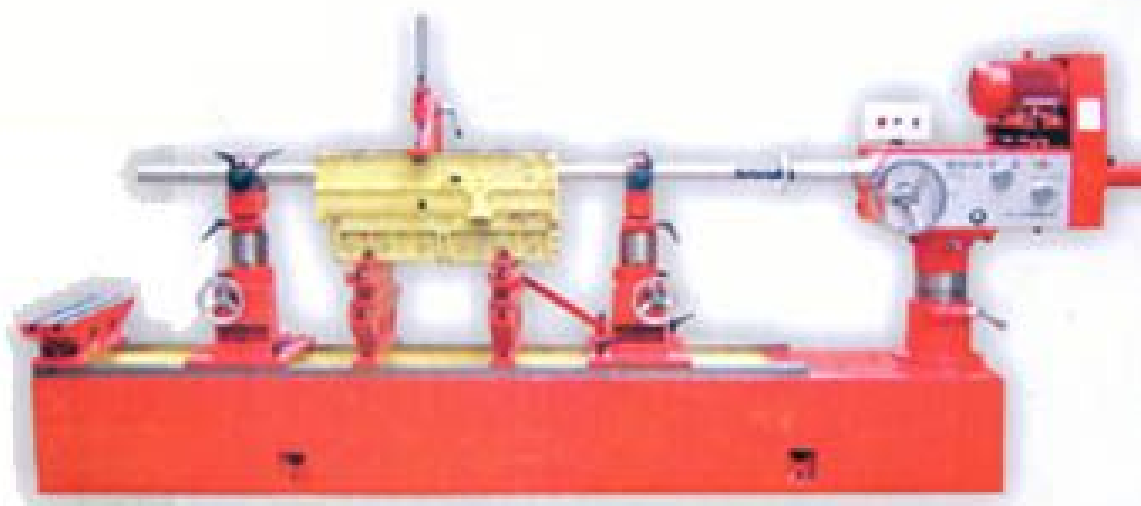
T8115B×16 cylinder body bushing boring machines which were developed in our factory. They can be used for boring master bushing and bushing of engine & generator's cylinder bodies in automobiles and ships etc.

In order to reduce auxiliary manhours and labour intensity and guarantee machining quality, accessories for centering, sectifying tool, measuring inner diameter, boring rod bracket, tool holder to increase diameter, boring tool microadjuster and for distance tool sectifying device can be provided with the main machine.

### MIANSPECIFICATION

Bored hole diameter	(T8115B×16) $\Phi 36\text{-}\Phi 150\text{mm}$
Max.length of cylinder body	(T8115B×16) 1600mm
Main shaft max elongation	300mm
Main shaft rotating speed	210-945r/min <b>【6class】</b>
Boring rod feed quantity	0.044,0.167mm/rad
Motor power	0.75/1.1KW
Dimensions(L×W×H)	T8115B×16 3510×650×1410

## T8120×20 CYLINDER BODY BUSHING BORING MACHINE



### T8120×20 CYLINDER BODY BUSHING BORING MACHINE

Model T8120×20 cylinder body bushing boring machines which were developed in our factory. They can be used for boring master bushing and bushing of engine & generator's cylinder bodies in automobiles and ships etc.

In order to reduce auxiliary manhours and labour intensity and guarantee machining quality, accessories for centering, sectifying tool, measuring inner diameter, boring rod bracket, tool holder to increase diameter, boring tool microadjuster and for distance tool sectifying device can be provided with the main machine.

#### MIANSPECIFICATION

Bored hole diameter	(T8120×20) Φ36-Φ200mm
Max.length of cylinder body	(T8120×20) 2000mm
Main shaft max elongation	300mm
Main shaft rotating speed	210-945r/min 【6class】
Boring rod feed quantity	0.044,0.167mm/rad
Motor power	0.75/1.1KW
Dimensions(L×W×H)	T8120×20 3910×650×1410



## 3M9940 FLYWHEEL DISK GRINDING MACHINE



### 3M9940 FLYWHEEL DISK GRINDING MACHINE

The machine is special equipment for rerinding engine flywheel disk.

#### SPECIFICATION:

Maximum outer diameter of processing workpiece	Φ 510mm
Diameter of grinding wheel	Φ 150mm
Revolution of grinding wheel	2840r/min
Diameter of rotating worktable	Φ 400mm
Revolution of worktable	36r/min
Space from worktable surface to end surface of grinding wheel	0~200mm
Electric total power	5KW
Net weight of grinding machine	700Kg
Overall dimension of grinding machine	710×1020×1500mm

#### Characteristics:

- 1、 Adopt vertical structure to be convenience for mounting & clamping workpiece.
- 2、 Provide turning mechanism, firstly turning and then, milling with high working efficiency.
- 3、 Equipped with special fixtures to carry out repairing parts of other disks.

## 3M9916 GRINDING MACHINE OF END PLANE



### 3M9916 GRINDING MACHINE OF END PLANE

The machine special equipment for regrinding rod big end composition surface.

#### SPECIFICATION:

Diameter of grinding wheel	150mm
Dimension of revolution worktable(long×wide)	120×180mm
Max moving of revolution worktable	22mm

## T8108 Line boring machine for cylinder heads and blocks



**T8108** Line boring machine for cylinder heads and blocks

### MAIN APPLICATION AND SUITABLE SCOPE:

The boring tool is mainly suitable for boring repair of the master shaft bushing and cambushing of engine for automobile and tractor etc in the repair units and service shops engaged vehicle repair and maintenance work.

### MAIN SPECIFICATION

Shft	$\Phi 32 \times 980$ , $\Phi 20 \times 900$
Boring range	$\Phi 24 - \Phi 85$
Distance between hover block & shaft center	45-295
Max moving length of shaft	100
Main cylinder rotating speed	580, 272
Supply quantity of shaft	0
Ex-size	1620×700×1370
Packing size	1720×820×1570
Main weight	800Kg

## TJ8563 SIMPLY BORING MACHINE FOR GAS VALVE SEAT



### TJ8563 SIMPLY BORING MACHINE FOR GAS VALVE SEATS

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

### KMIANSPECIFICATION

Max.length of cylinder head clipped on the supporter	800
Boring dia.of valve seats	30-63
Spindle travel	10
Attravtion of electromagnetic plate(AC220V)	500N
Net weight	52Kg