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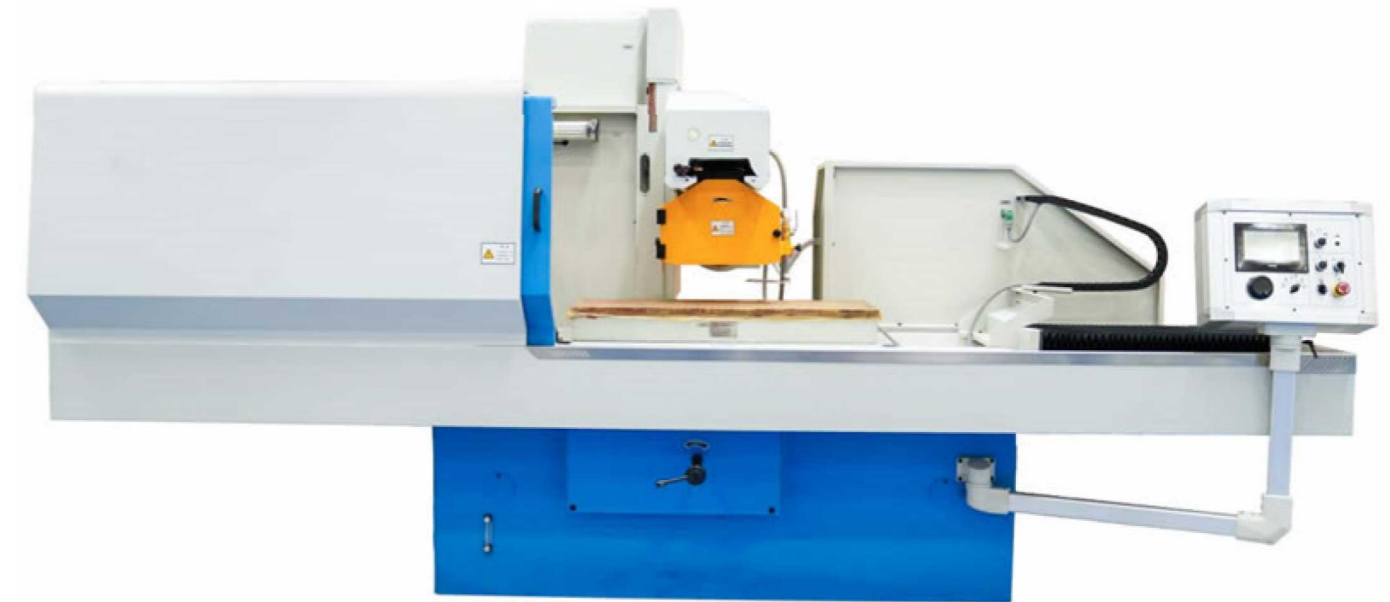
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Gudwill focus on grinding technology,  
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your grinding requirement.

**SURFACE GRINDING MACHINES**

# M7120E/HZ Surface Grinding Machine Horizontal Spindle and Rectangular Table

M7120E/HZ



## Features

- ⊙ Adopts the moving layout of grinding head, the column is right (relative to the operator), with good rigidity and high power.
- ⊙ Vane pump driven for table longitudinal movement, which has the advantages of smooth movement, low noise and low temperature rise of oil pool.
- ⊙ Rapid elevation mechanism provided for wheelhead vertical movement, feed can also be carried out manually.

## Specification and Parameter

MODEL :		M7120E/HZ		
Table	Table working surface(W×L )	mm	200 × 630	
	Max. grinding area(W×L×H)	mm	200 × 630 × 320	
	Table longitudinal travel (Max.)	mm	730	
	Table longitudinal speed (stepless)	m/min	2-20	
	Table T-slot(Number×Width)	mm	1 × 14	
	Table loading	kg	157	
Wheelhead	Distance from wheel spindle to table (Max.)	mm	495	
	Wheel spindle speed	r/min	1440	
	Vertical micro-feed	mm	0.005	
	Rapid elevation speed	m/min	0.4	
	Manual cross feed	mm	Approx 2	
	Mechanical cross feed	continual	m/min	0.5-1.8
		interrupted	mm	5-18
Grinding wheel (OD×W×ID)	mm	Φ350 × 32 × Φ127		
Motor	Total power	kW	8	
	Wheelhead motor power	kW	5.5	
Working accuracy	Parallelism	mm	300:0.005	
	Surface roughness	μm	Ra0.63	
Machine weight	Net weight	kg	2800	
	Gross weight	kg	3500	
Overall dimension(L×W×H)		mm	2400 × 1150 × 2050	
Packing dimension(L×W×H)		mm	2600 × 1600 × 2400	

Attached accessories			
Magnetic chuck	1pce	Wheel dresser(without diamond cutter)	1 set
Balancing arbor	1pce	Balancing stand	1pce
Adaptor with grinding wheel	2 sets	Pad iron	1set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1pce

\* Due to the continuous development of technology, this volume is for reference only

# M7130S/HZ Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

M7130S/HZ



Upgrade product of M7130H, which has the characteristics of strong grinding. It is suitable for all kinds of machining, especially for mass production of auto parts, fixtures, magnetic steel, mold and other industries.

### Features

- ⊙ Hydraulic-driven for table longitudinal movement, Hydraulic-driven and Manual-driven for wheelhead cross movement
- ⊙ Built-in motor driven for wheel spindle
- ⊙ The guide rail of worktable is automatic pressure lubrication.
- ⊙ 11kw high power grinding head motor is adopted.

### Specification and Parameter

MODEL :		M7130S/HZ	
Table	Table working surface(W×L)	mm	300 × 1000
	Max.size of grinding workpiece(W×L×H)	mm	300 × 1000 × 400
	Table longitudinal travel (Max.)	mm	1100
	Table longitudinal speed	m/min	3-27
	Table T-slot ( Number × Width )	mm	3 × 18
	Table loading ( Including electromagnetic sucker )		468
Wheelhead	Distance from wheel spindle to table (Max.)	mm	600
	Vertical feed handwheel	mm	0.01
		mm	1
	Max. movement of grinding head ( Cross feed )	mm	350
		mm	450
	Wheel spindle speed	r/min	1440
Grinding wheel (OD×W×ID)	mm	Φ400 × 40 × Φ127	
Motor	Total power	kW	14.5
	Power of hydraulic oil pump	kW	3
	Cooling pump motor	kW	0.125
	Wheelhead motor power	kW	11
Working accuracy	Parallelism	mm	300:0.008
	Surface roughness	μm	Ra0.63
Machine weight	Net weight	kg	3500
	Gross weight	kg	4000
Overall dimension(L×W×H)		mm	2295 × 1673 × 2235
Package dimension(L×W×H)		mm	2800 × 1780 × 2650

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond cutter )	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 set

\* Due to the continuous development of technology, this volume is for reference only

# M7130S HZ-034/1S Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

M7130S HZ-034/1S



The machine adopts the wheel periphery to carry out the grinding.

### Features

- ⊙ Hydraulic-driven for table longitudinal movement, Hydraulic-driven and Manual-driven for wheelhead cross movement
- ⊙ Rapid elevation mechanism provided for wheelhead vertical movement, feed can also be carried out manually.

### Specification and Parameter

MODEL			M7130S	HZ-034/1S
Table	Table working surface(W×L)	mm	300×1000	320×1600
	Max.size of grinding workpiece(W×L×H)	mm	300×1000×400	320×1600×400
	Table longitudinal travel (Max.)	mm	1100	1650
	Table speed ( stepless )	m/min	3-27	3-20
	Table T-slot ( Number×Width )	mm	3×18	
	Table loading	kg	468	624
Wheelhead	Distance from wheel spindle to table (Max.)	mm	575	
	Intermittent feed	mm/stroke	3-30	
	Wheel spindle speed	r/min	1440	
	Vertical feed handwheel	mm	0.01	
	Vertical feed	mm	1.0	
	Grinding wheel (OD×W×ID)	mm	Φ350×40×Φ127	
Motor	Total power	kW	8	
	Wheelhead motor power	kW	4.5	
Working accuracy	Parallelism	mm	300: 0.008	
	Surface roughness	μm	Ra0.63	
Machine weight	Net weight)	kg	3500	5000
	Gross weight	kg	4000	5500
Overall dimension(L×W×H)		mm	2295×1673×2235	4105×1673×2035
Package dimension(L×W×H)		mm	2600×1750×2400	4600×1800×2400

### Attached accessories

Magnetic chuck	1 pce	Wheel dresser(without diamond cutter )	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set

### Special accessories (priced separately)

Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 set
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\* Due to the continuous development of technology, this volume is for reference only

# M7132H Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

M7132H



### Features

- ⊙ The working table is driven by vane oil pump in longitudinal motion, with stable operation, low noise, low temperature rise of oil pool,
- ⊙ The wheel end surfaces can also be used for grinding grooves and the sides of projections.
- ⊙ Head transverse feed mechanism, hydraulic automatic feed and manual feed, easy to operate.
- ⊙ The vertical movement of grinding head has fast lifting mechanism.

### Specification and Parameter

MODEL :		M7132H		
Table	Table working surface(W×L)	mm	320 × 1000	
	Max.size of grinding workpiece(W×L×H)	mm	320 × 1000 × 400	
	Table longitudinal travel (Max.)	mm	1100	
	Table speed ( stepless )	m/min	3-27	
	Table T-slot ( Number × Width )	mm	3 × 18	
	Table loading	kg	499	
Wheelhead	Distance from wheel spindle to table (Max.)	mm	575	
	Maximum stroke	Cross	mm	360
		Vertical	mm	400
	Vertical feed		mm	0.01
			mm	1.00
	Continuous feed ( stepless )	m/min	0.5-3	
	Intermittent feed ( stepless )	mm	5-25	
	Maneuvering speed	mm/min	≥ 500	
	Wheel spindle speed	r/min	1440	
	Grinding wheel (OD×W×ID)	mm	Φ350 × 40 × Φ127	
Motor	Total power	kW	9	
	Wheelhead motor power	kW	5.5	
Working accuracy	Parallelism	mm	300: 0.005	
	Surface roughness	μm	Ra0.63	
Machine weight	Net weight	kg	3500	
	Gross weight	kg	4000	
Overall dimension(L×W×H)		mm	2295 × 1673 × 2035	
Package dimension(L×W×H)		mm	2600 × 1750 × 2400	

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond cutter)	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 set

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# MK7132A Surface Grinding Machine

## CNC Horizontal Spindle and Rectangular Table

MK7132A



### Features

- ⊙ High rigidity linear rolling guideways and pre-fasten high precision rolling ball leadscrew pairs
- ⊙ Two-axis CNC system, single or coordinated control of wheelhead cross and vertical feed. Automatic and manual operation can be realized. Optional CNC system interfaces.
- ⊙ Advanced oil pump motor for hydraulic system
- ⊙ Periphery grinding with auto-dressing, auto-compensation and auto-grinding functions
- ⊙ High efficiency, multiple functions
- ⊙ Comply with GB/9061, GB15760, GB/T5226.1 and T3382.2.

### Specification and Parameter

MODEL:		MK7132A		
Table	Table working surface(W×L)	mm	320 × 1000	
	Max. size of grinding workpiece(W×L×H)	mm	320 × 1000 × 400	
	Table longitudinal travel (Max.)	mm	1200	
	Table speed(stepless)	m/min	3-26	
	Table T-slot(Number × Width × Pitch)	mm	3 × 18 × 100	
	Table loading	kg	500	
Wheelhead	Distance from spindle axis to table (Max.)	mm	140-575	
	Max. travel	Cross	mm	360
		Vertical	mm	400
	Min. vertical micro-feed	mm	0.001	
	Wheelhead cross feed	Continuous feed speed	mm	0.5-1.5
		Intermittent feed	mm	3-15/stroke
	Wheelhead rapid elevation speed	mm/min	0~400	
	Wheel spindle speed	rpm	1440	
Grinding wheel (OD×W×ID)	mm	Φ350 × 40 × Φ127		
Motor	Total power	kW	17	
	Wheelhead motor power	kW	11	
CNC accuracy	Re-positioning accuracy	mm	≤0.008	
	Positioning accuracy	mm	≤0.012	
Working accuracy	Parallelism	mm	300: 0.005	
	Surface roughness	μm	Ra0.63	
Machine weight	Net weight	kg	4500	
	Gross weight	kg	5800	
Overall dimension(L×W×H)	mm	4020 × 1954 × 2132		
Package dimension(L×W×H)	mm	4850 × 2280 × 2600		

Attached accessories			
Magnetic chuck	1 pce	Diamond roller dresser	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Diamond roller dresser	1 set

\* Due to the continuous development of technology, this volume is for reference only

# M7140H M7140H×16 Surface Grinding Machine Horizontal Spindle and Rectangular Table

M7140H M7140H×16



## Features

- ⊙ Vane pump driven for table longitudinal movement. Accuracy complies with GB/T4022-1983
- ⊙ Groove and convex edge side grinding
- ⊙ Hydraulic and manual feed for wheelhead cross feed mechanism
- ⊙ Rapid elevation mechanism provided for wheelhead vertical movement, feed can also be carried out manually.
- ⊙ Y-series motors for wheelhead and oil pump
- ⊙ Attractive appearance, place left for installing digital display device

## Specification and Parameter

MODEL:			M7140H	M7140H×16	
Table	Table working surface(W×L)	mm	400×1000	400×1600	
	Max. grinding workpiece ( W×L×H)	mm	400×1000×400	400×1600×400	
	Table longitudinal travel(Max)	mm	1100	1650	
	Table speed(stepless)	m/min	3-27	3-20	
	Table T-slot(Number×Width)	mm	3×18		
	Table loading	kg	624	998	
Wheelhead	Distance from wheel spindle to table (Max)	mm	575		
	Intermittent feed	mm	3-30		
	Max. Wheelhead travel	Cross(manual and hydraulic)	mm	≥430	
		Vertical(manual)	mm	400	
	Wheel spindle speed	r/min	1440		
	Vertical feed handwheel	mm	0.01		
	Wheelhead feed per revolution of the handwheel		1.00		
	Grinding wheel(OD×W×ID)	mm	Φ350×40×Φ127		
Motor	Total power	kW	9		
	Wheelhead motor power	kW	5.5		
Working accuracy	Parallelism	mm	300: 0.005		
	Surface roughness	μm	Ra0.63		
Machine weight	Net Weight	kg	3500	5000	
	Gross Weight	kg	4000	5500	
Overall dimension(L×W×H)		mm	2295×1673×2035	4105×1673×2035	
Packing dimension (L×W×H)		mm	2600×1750×2400	4600×1800×2400	

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond pen)	1 set
Balancing arbor	1 set	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 set

\* Due to the continuous development of technology, this volume is for reference only

# HZ-033/2S Surface Grinding Machine Horizontal Spindle and Rectangular Table

HZ-033/2S   HZ-033/3S   HZ-033/4

The machine adopts wheel periphery to carry out the grinding, it is suitable for various machine shops and repair shops.



## Features

- ⊙ Table surface can be extended to 2m to 4m.
- ⊙ Hydraulic driven for table longitudinal feed and wheelhead cross feed, cross feed can be manually.
- ⊙ Rapid elevation mechanism provided for wheelhead vertical movement, feed can also be carried out manually. Wheel spindle driven by built-in motor.

## Specification and Parameter

MODEL:			HZ-033/2S	HZ-033/3S	HZ-033/4
Table	Table working surface(W×L)	mm	320×2000	320×2500	320×4000
	Max. size of grinding workpiece (W×L×H)	mm	320×2000×400	320×2500×400	320×4000×400
	Table longitudinal travel (Max.)	mm	2050	2550	4300
	Table speed(stepless)	m/min	3-17	3-25	3-22
	Table T-slot(Number×Width)	mm	3×18		
	Table loading (Max.)	kg	798	1240	2000
Wheel head	Distance from wheel spindle axis to table	mm	575		600
	Max. wheel head travel	Cross(manual and hydraulic)	350		
		Vertical (manual)	400		
	Manual vertical feed	Per graduation	0.01		
		Per revolution	1		
	Hydraulic cross feed	Continuous feed speed	0.5-3		
		Intermittent feed	3-30mm/stroke		
Wheel speed	r/min	1440			
Grinding wheel(OD× W×ID)	mm	Φ350×40×Φ127	Φ400×63×Φ127		
Motor	Total power	kW	8	18	
	Wheelhead motor power	kW	4.5	11	
Working accuracy	Parallelism	mm	300: 0.005		
	Surface roughness	μm	Ra0.63		
Machine weight	Net weight	kg	6500	7000	10000
	Gross weight	kg	7000	7500	
Overall dimension(L×W×H)	mm	4850×1673×2035	6800×1673×2035	14830×1775×2550	
Packing dimension(L×W×H)	mm	5500×1800×2400	7150×1750×2400	8600×1750×2550	

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond cutter)	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 set

\* Due to the continuous development of technology, this volume is for reference only

## HZ-500 Surface Grinding Machine Horizontal Spindle and Rectangular Table

HZ-500



This machine tool is mainly used to grind the horizontal plane of the workpiece, also grind the vertical side of the workpiece. During grinding, the workpiece can be directly fixed on the worktable or firmly absorbed on the electromagnetic chuck for processing or clamped by other fixtures for grinding. It is widely suitable for various mechanical processing factories Measuring tool factory, automobile, mold and other industries parts grinding.

### Features

- ⊙ A new design of bed and carriage is made to enhance the rigidity of the machine tool.
- ⊙ Cross feed mechanism of grinding head, with hydraulic automatic and manual feed, easy to operate; The maximum transverse travel can reach 500mm, which is more convenient for users.
- ⊙ Vertical movement of grinding head has a fast lifting mechanism and can be fed manually.
- ⊙ Sliding bearing and 9kw grinding head motor, which has high grinding efficiency and high surface finish, and is suitable for the grinding task of large-scale table.

### Specification and Parameter

MODEL :		HZ-500	
Table	Table working surface(W×L)	mm	500 × 1000
	Max. grinding area(W×L×H)	mm	500 × 1000 × 400
	Table longitudinal travel (Max.)	mm	1100
	Table longitudinal speed (stepless)	m/min	3-25
	Table T-slot(Number×Width)	mm	3 × 18
	Table loading	kg	680
Wheelhead	Distance from wheel spindle to table (Max.)	mm	575
	Wheel spindle speed	r/min	1440
	Vertical micro-feed	mm	0.01
	Wheelhead feed per revolution of the handwheel	mm	1.0
Motor	Grinding wheel (OD×W×ID)	mm	Φ350 × 50 × Φ127
	Total power	kW	12.5
	Wheelhead motor power	kW	9
Working accuracy	Parallelism	mm	300: 0.005
	Surface roughness	μm	Ra0.63
Machine weight	Net weight	kg	4000
	Gross weight	kg	4500
Overall dimension(L×W×H)		mm	3150 × 1673 × 2245
Packing dimension(L×W×H)		mm	3300 × 1750 × 2400

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond pen)	1 pce
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 pce

\* Due to the continuous development of technology, this volume is for reference only

# HZ-630 Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

HZ-630



This machine adopts wheel periphery and wheel end surfaces to carry out the grinding. It is widely suitable for various mechanical processing factories Measuring tool factory, automobile, mold and other industries parts grinding

### Features

- ⊙ New design for bed and saddle to realize high rigidity.
- ⊙ Vane pump driven for table longitudinal movement, low temperature rise of the oil tank.
- ⊙ Motor-driven/manual-driven for wheelhead cross feed.
- ⊙ Rapid elevation mechanism provided for wheelhead vertical movement, feed can also be carried out manually.
- ⊙ Wheelhead adopts sliding bearings, motor power is 9KW.

### Specification and Parameter

MODEL :		HZ-630	
Table	Table working surface(W×L)	mm	630 × 1250
	Max. grinding area(W×L×H)	mm	630 × 1250 × 400
	Table longitudinal travel (Max.)	mm	1350
	Table longitudinal speed (stepless)	m/min	3-25
	Table T-slot(Number×Width)	mm	3 × 22
	Table loading	kg	815
Wheelhead	Distance from wheel spindle axis to table (Max.)	m	600
	Wheel spindle speed	r/min	1440
	Vertical micro-feed	mm	0.01
	Wheelhead feed per revolution of the handwheel	mm	1.0
Motor	Grinding wheel (OD×W×ID)	mm	Φ400 × 50 × Φ203
	Total power	kW	13.5
	Wheelhead motor power	kW	9
Working accuracy	Parallelism	mm	300: 0.008
	Surface roughness	μm	Ra0.63
Machine weight	Net weight	kg	6000
	Gross weight	kg	6500
Overall dimension(L×W×H)		mm	3840 × 2070 × 2245
Packing dimension(L×W×H)		mm	4050 × 2350 × 2400

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond pen)	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat pliers ( ZPQ-150 )	1 pce

\* Due to the continuous development of technology, this volume is for reference only

# HZ-800 Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

HZ-800



This machine tool is mainly used to grind the horizontal plane of the workpiece, also grind the vertical side of the workpiece. It is widely suitable for various mechanical processing factories Measuring tool factory, automobile, mold and other industries parts grinding.

### Features

- ⊙ The table guide rail and the vertical guide rail of the carriage are pasted with Teflon guide rail soft belt, which has good wear resistance and high feed sensitivity.
- ⊙ The front four and back two bearings are adopted, and the high precision diagonal contact rolling ball bearing is adopted. The spindle has high rotation accuracy and good grinding rigidity.
- ⊙ The cross feed movement of grinding head is driven by ball screw and variable frequency speed regulating motor. The feed is sensitive and can also be manually operated. The vertical feed mechanism of grinding head is driven by worm gear reducer + ball screw + AC motor, which can rise and fall rapidly. The feed movement is realized by turning the scale handwheel during grinding.

### Specification and Parameter

MODEL :			HZ-800
Table	Table working surface(W×L)		mm 800 × 2000
	Max. grinding area(W×L×H)		mm 800 × 2000 × 600
	Table longitudinal travel (Max.)		mm 2100
	Table longitudinal speed (stepless)		m/min 5-25
	Table T-slot(Number×Width)		mm 3 × 22
	Table loading		kg 2500
Wheelhead	Distance from wheel spindle to table (Max.)		mm 825
	Wheel spindle speed		r/min 1440
	Vertical feed	per graduation	mm 0.005
		rapid feeding	m/min 0.4
	Cross feed	Continuous	m/min 0.5-1.5
		Intermittent	m/min 5-20
	Cross feed	per revolution	mm 1.5
Grinding wheel (OD×W×ID)		mm $\Phi$ 450 × 63 × $\Phi$ 203	
Motor	Total power		kW 26
	Wheelhead motor power		kW 15
Working accuracy	Parallelism		mm 300: 0.005
	Surface roughness		$\mu$ m Ra0.63
Machine weight	Net weight		kg 12000
	Gross weight		kg 13000
Overall dimension(L×W×H)		mm 8050 × 2430 × 2650	
Packing dimension(L×W×H)		mm 8400 × 2750 × 3050	

\* Due to the continuous development of technology, this volume is for reference only

## Surface Grinding Machine Horizontal Spindle and Rectangular Table

M7130/2CK    M7132H/2CK    M7140H/2CK    HZ-034/2CK1  
M7140×16/2CK    HZ-033/2CK2    HZ-033/2CK3    HZ-033/2CK4  
HZ-500/2CK    HZ-630/2CK    HZ-800/2CK



- ⊙ This series of machine tools are surface grinding machines with two axis program-controlled horizontal shaft and rectangular table upgraded on the model of general machine tools.
- ⊙ The products cover all grinding head moving series surface grinder such as 30S, 50,60 series, can greatly reduce the labor intensity of workers and improve the convenience of operation, realizing the operation of one person and multiple machines.
- ⊙ The machine tool adopts the movable form of grinding head, which consists of bed, table, column, drag plate and grinding head. The working table makes reciprocating motion on the bed body, the grinding head makes transverse motion on the towing plate, and the towing plate and the grinding head make vertical motion on the upright column.
- ⊙ The reciprocating motion of the table is driven by hydraulic pressure, and the speed is stepless.
- ⊙ Both the transverse and vertical feed motion of the grinding head are driven by servo motors. The rotating motion of the grinding wheel spindle is driven by an ac motor, so this machine is a two-axis program-controlled machine.
- ⊙ The worktable length of this series of machine tools is 100MM and above, mainly with semi-closed shell.

### PLC system

- ⊙ It adopts simple graphical man-machine interface, simple operation function, and high quality, high efficiency and advanced LCD touch screen.
- ⊙ Operation and function: set zero position of workpiece - set total grinding amount - feed rate of rough grinding each time - feed rate of fine grinding each time - number of fine grinding times - number of smooth grinding - returns to zero position of workpiece, and there are left and right feed, inside and outside feed, single and double feed modes of worktable, which are convenient for operator to choose.

### Specification and Parameter

MODEL:		M7130/2CK	M7132H/2CK	M7140H/2CK	
Table	Table working surface(W×L)	mm	300×1000	320×1000	400×1000
	Max. size of grinding workpiece (W×D×H)	mm	300×400×1000	320×400×1000	400×400×1000
	Table longitudinal travel (Max.)	m/min	1100		
	Table speed(stepless)	mm	3-25		
	Table T-slot(Number×Width)	mm	3×18		
	Table loading	kg	468	499	624
Wheel head	Distance from wheel spindle axis to table	mm	575		
	Min vertical feed	mm	0.005		
	Max vertical motor speed	m/min	400		
	Min transverse feed	mm	0.025		
	Transverse feed speed	m/min	0.5~3		
	Wheel spindle speed	r/min	1440		
	Grinding wheel (OD×W×ID)	mm	Φ350×40×Φ127		
Motor	Total power	kW	8	9	9
	Wheelhead motor power	kW	4.5	5.5	5.5
	Vertical servo motor power	kW	1.5		
	Transverse servo motor power	kW	1.2		
Working accuracy	Parallelism	mm	300: 0.008	300: 0.005	300: 0.005
	Surface roughness	μm	Ra0.63		
Machine weight (semi-closed)	Net weight	kg	4200	4200	4200
	Gross weight	kg	5000	5000	5000
Overall Dimension(L×W×H)		mm	4000×2200×2300	4000×2200×2300	4000×2200×2300
Package dimension(L×W×H)		mm	4250×2320×2600	4250×2320×2600	4250×2320×2600

\* Due to the continuous development of technology, this volume is for reference only

# Surface Grinding Machine Horizontal Spindle and Rectangular Table

M7150×16/HZ    M7150×20/HZ    M7150×30/HZ



## Features

- ⊙ The machine is suitable for various machine shops and repair shops.
- ⊙ Vane pump driven for table longitudinal movement. Cooling device provided for oil tank.
- ⊙ Groove and convex edge side grinding.
- ⊙ Wheelhead adopts sliding bearing structure.
- ⊙ Ball leadscrews for wheelhead cross feed, cross feed can be hydraulic-driven or manual-driven. Oil motor for hydraulic drive mechanism. Manual vertical feed with rapid elevation mechanism.
- ⊙ Auto lubrication system for guideways and vertical leadscrews.
- ⊙ CNC system can be equipped.

## Specification and Parameter

MODEL :		M7150×16/HZ	M7150×20/HZ	M7150×30/HZ	
Table	Table working surface(W×L)	mm	500×1600	500×2000	500×3000
	Max. size of grinding workpiece(W×D×H)	mm	500×600×1600	500×600×2000	500×600×3000
	Table longitudinal travel(Max.)	m/min	1700	2100	3100
	Table speed(stepless)	mm	5-30		
	Table T-slot(Number×Width)	mm	3×18		
	Table loading	kg	1235.5	1500	2300
Wheelhead	Distance from wheel spindle axis to table (MAX)	mm	825		
	Intermittent feed	mm	5-20		
	Wheel spindle speed	m/min	1440		
	Vertical feed handwheel	mm	0.005		
	Manual cross feed per graduation of the handwheel	mm	0.01		
	Grinding wheel (OD×W×ID)	mm	Φ450×63×Φ203		
Motor	Total power	kW	22.875		
	Wheelhead motor power	kW	11		
Working accuracy	Parallelism	mm	300: 0.005		
	Surface roughness	μm	Ra0.63		
Machine weight	Net weight	kg	8000	9200	11000
	Gross weight	kg	11000	11000	14000
Overall dimension(L×W×H)		mm	4682×2024×2330	5500×2240×2580	9230×2238×2330
Packing dimension(L×W×H)		mm	5080×2450×2800	5880×2450×2800	6540×2520×2800

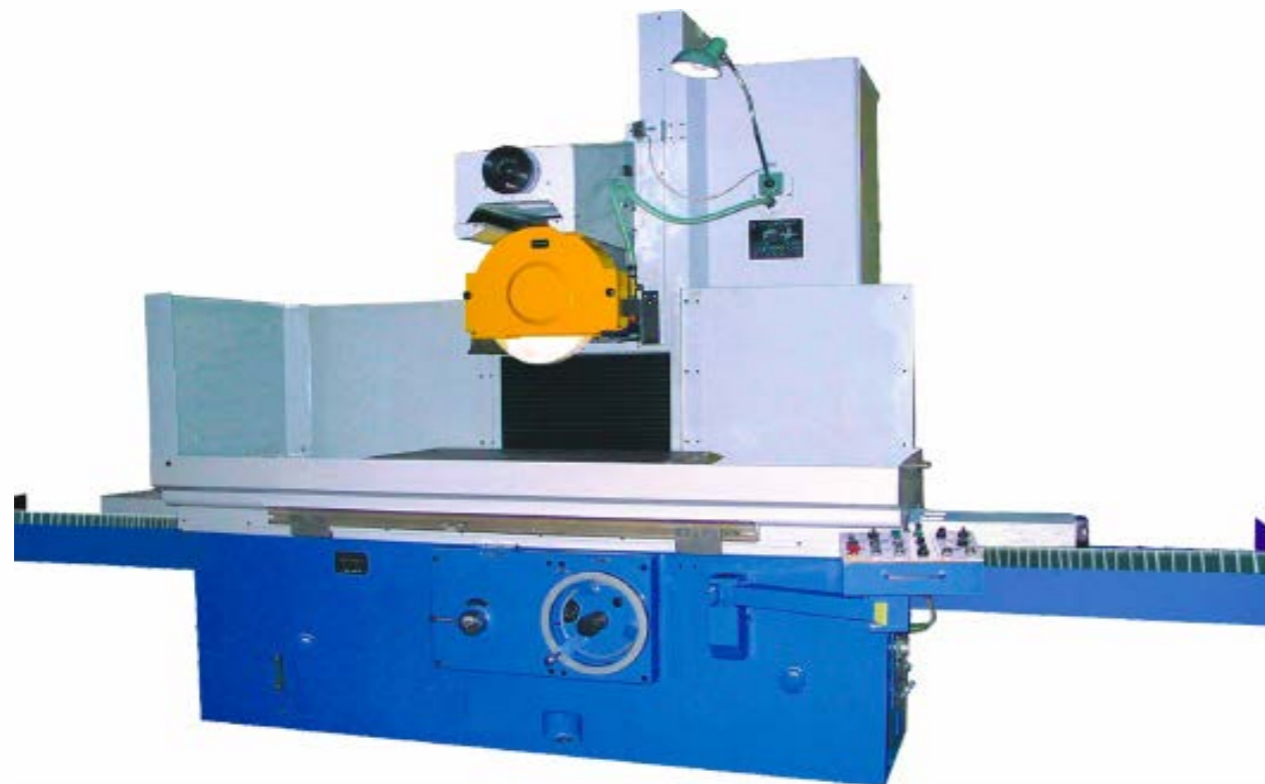
Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond pen)	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat plier ( ZPQ-150 )	1 pce

\* Due to the continuous development of technology, this volume is for reference only

# Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

M7160x10/HZ    M7160x16/HZ    M7160x20/HZ    M7160x30/HZ



### Features

- ⊙ Wheelhead moving surface grinding machine, hydraulic-driven for table longitudinal movement along the bed, wheelhead cross movement along the saddle, saddle together with wheelhead vertical movement along the column
- ⊙ Teflon-laminated and low friction sliding guideways for table and bed.
- ⊙ Ball leadscrews driven for vertical movement and cross movement. Manual vertical feed with rapid elevation mechanism. Oil motor driven for cross movement, cross feed can be carried out automatically or manually.
- ⊙ CNC system can be equipped.

### Specification and Parameter

MODEL :		M7160x10/HZ	M7160x16/HZ	M7160x20/HZ	M7160x30/HZ	
Table	Table working surface (W×L)	mm	600×1000	600×1600	600×2000	600×3000
	Max. size of grinding workpiece (W×D×H)	mm	600×1000×600	600×600×1600	600×600×2000	600×600×3000
	Table longitudinal travel(Max.)	m/min	1100	1700	2100	3100
	Table speed(stepless)	mm	5-26	5-27	5-30	
	Table T-slot (Number×Width)	mm	3×22			
	Table loading	kg	1030	1482	1800	2800
wheelhead	Distance from wheel spindle axis to table surface(Max.)		825			
	vertical feed	per graduation	mm	0.005		
		Rapid feed	m/min	0.4		
	automatic cross feed	Continuous	mm/min	0.5-1.2		
		Intermittent	mm	5-20		
	Manual cross feed-per graduation of the handwheel		0.01			
	Wheel spindle speed	r/min	1440			
Grinding wheel(OD×W×ID)	mm	Φ450×63×Φ203				
Motor	Total power	kW	23			
	Wheelhead motor speed	kW	11			
Working accuracy	Parallelism	mm	300: 0.005			
	Surface roughness	μm	Ra0.63			
Machine weight	Net weight	kg	8000	8500	10000	12000
	Gross weight	kg	9000	10000	11000	13500
Overall dimension(L×W×H)		mm	5000×2430×2450	4682×2240×2330	5500×2240×2330	9230×2240×2330
Packing dimension(L×W×H)		mm	3750×2450×3080	5080×2450×2800	5880×2450×2800	6540×2450×2990

### Attached accessories

Magnetic chuck	1 pce	Wheel dresser(without the diamond pen)	1 set
Balancing arbor	1pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
<b>Special accessories (priced separately)</b>			
Diamond pen	1 pce	Sine flat pilers ( ZPQ-150 )	1 pce

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# Surface Grinding Machine

## Horizontal Spindle and Rectangular Table

M7150×40/HZ M7150×50/HZ M7160A×40/HZ M7150A×60/HZ



### Features

- ⊙ Machine accuracy complies with GB/T4022-1983.
- ⊙ Vane pump driven for table longitudinal movement. Cooling device provided for oil tank.
- ⊙ Groove and convex edge side grinding.
- ⊙ Wheelhead adopts sliding bearing structure.
- ⊙ Ball leadscrews for wheelhead cross feed, cross feed can be hydraulic-driven or manual-driven.
- Oil motor for hydraulic drive mechanism. Manual vertical feed with rapid elevation mechanism.
- ⊙ Auto lubrication system for guideway.
- ⊙ CNC system can be equipped.

### Specification and Parameter

MODEL:		M7150×40/HZ	M7150×50/HZ	M7160A×40/HZ	M7150A×60/HZ	
Table	Table working surface(W×L)	mm	500×4000	500×6000	600×4000	500×5000
	Max. size of grinding workpiece(W×D×H)	mm	500×4000×600	500×6000×600	600×4000×600	500×5000×600
	Table longitudinal travel(Max.)	m/min	4100	6200	4200	5200
	Table speed(stepless)	m/min	3-27	5-26		3-27
	Table T-slot(Number×Width)	mm	3×22			
	Table loading	kg	3100	5600	3700	3900
Wheel head	Distance from wheel spindle axis to table (MAX)	mm	850			
	Intermittent feed	mm	5-20			
	Wheel spindle speed	r/min	1440			
	Vertical feed handwheel	mm	0.005			
	Manual cross feed per graduation of the handwheel	mm	0.01			
	Max grinding wheel (OD×W×ID)	mm	Φ500×63×Φ203			
Motor	Total power	kW	35			
	Wheelhead motor power	kW	18.5			
Working accuracy	Parallelism	mm	300: 0.005			
	Surface roughness	μm	Ra0.63			
Machine weight	Net weight	kg	16000	20000	17000	18000
Overall dimension(L×W×H)		mm	12000×2900×3000	14900×2900×3000	12000×2900×3000	13500×2900×3000

Attached accessories			
Magnetic chuck	1 pce	Wheel dresser(without diamond pen)	1 set
Balancing arbor	1 pce	Balancing stand	1 pce
Adaptor with grinding wheel	2 sets	Pad iron	1 set
Special accessories (priced separately)			
Diamond pen	1 pce	Sine flat plier ( ZPQ-150 )	1 pce

\* Due to the continuous development of technology, this volume is for reference only