



## M7132 - Hydraluic

### 1.Application:

The machine is redesigned on the basis of 7130 model, widen the grinding width.

The machine uses mainly the wheel periphery for surface grinding, but the wheel end surfaces can also be used for grinding the vertical surface of the workpieces.

*When grinding, the workpieces can be placed on the magnetic chuck*

*or fixed directly on the table or with other fixtures according to various workpieces.*

*The machine can used for grinding steel, casting iron or Non-ferrous metals. It can be used for grinding side face of groove and flange.*

### 2.Features

*The lift system use high-precision ballscrew to confirm accuracy.*

*The wheelhead can be moved transversely on the saddle by hydraulic system or by hand. easy to operate.*

*The saddle together with the wheelhead have quick lift device and move up and down for vertical feed on the column. It can be moved by hand or by hydraulic system.*

Standard Appendix:

*(1) tool box (2) balancing stand (3) balancing arbor (4) socket wrench (5) hook wrench (6) nuts for dismantling wheel adapter with wheel (7) open-end wrench (8) grinding wheel with wheel flange (adapter) (9) rubber wiper (10) machine stand pad (11) hanger (ring) (12) cooling equipment with pump (13) Electro magnetic chuck*

Optional accessories:

*(1) tiltable permanent chuck (2) demagnetizer (3) angle dresser (4) precision vice (5) working light (6) wheel flange (7) grinding wheel*

SPECIFICATION		M7132
Size of worktable (L×W×H) mm		1000×320
Max. grinding capability (L×W×H) mm		1000×320×400
Abrasive wheel dim (D×d×W) mm		350×127×40
Speed of grindwheel r/min		1440
Spindle motor	Power KW	5.5
	Speed r/min	1440

Vertical movment of the grinding head by hand wheel	Per strock mm	0.01
	Per revelotion mm	1.00
Rapid lifting motor	Power KW	0.37
	Speed r/min	1440
Oil pump motor	Power KW	3
	Speed r/min	960
Oil pump motor	Flow ml/r	100
	Pressure MPa	2.5
Coolant pump motor	Power KW	0.125
	Speed r/min	2800
Speed of the worktable m/min		3-25
Accurancy mm/mm		1000:0.015
Surface roughness $\mu m$		Ra0.63



## Wheel head moving surface Grinder



### Features:

The wheel head can be moved transversely on the saddle by hydraulic system or by hand, the saddle together with wheelhead can move up & down for vertical feed on the column by hand or by hydraulic system.

Working table can be auto hydraulic transmission and manual feed on longitudinal.

### Standard appendix:

- (1) tool box (2) balancing stand (3) balancing arbor
- (4) socket wrench (5) hook wrench
- (6) wheel extractor
- (7) open-end wrench
- (8) grinding wheel with wheel flange
- (9) rubber wiper (10) machine stand pad
- (11) hanger ring (12) cooling equipment with pump
- (13) electro magnetic chuck

### Optional accessories:

- (1) tiltable permanent chuck
- (2) demagnetizer
- (3) angle dresser
- (4) precision vice
- (5) working light
- (6) wheel flange
- (7) grinding wheel

M7150

Description	Unit	M7132	M7140	M7150
Width of worktable	mm	320	400	500
Length of worktable	mm	1000 (1250) / 1600 / 2000		
Max. Longitudinal movement of worktable	mm	1100 (1350) / 1700 / 2100		
Max. Distance from the spindle centerline to the worktable surface	mm	570	570	800
Max. Cross movement of grinding head	mm	350	450	580
Max. Vertical movement of grinding head	mm	400	400	600
Vertical movement of grinding head by handwheel	Per graduation	mm	0.01	0.01
	Per revolution	mm	1.00	1.00
Rapid lifting motor	Power	KW	0.37	0.37
	Speed	r/min	1440	1440
Abrasive wheel dim(DxdxW)	mm	350x127x40	350x127x40	400x203x50
Speed of grinding wheel	r/min	1440	1440	1440
Total power of motor	KW	9/12	9/12	12
Power of spindle motor	KW	5.5	5.5	7.5
Power of oil pump motor	KW	3/5.5	3/5.5	4/5.5
Processing accuracy	mm	0.015/1000	0.015/1000	0.015/1000
Surface roughness	μm	Ra:0.63	Ra:0.63	Ra:0.63