

M618A - Manual

Standard features:

- * 3 – axis manual operation
- * High rigidity H-frame column with spindle center to table for extra clearance under the wheel.
- * Enhanced ribbed full cast iron base provides the best anti-vibration foundation with greater stability and rigidity
- * Enlarged spindle housing for heavier grinding
- * V3 grade spindle motor for powerful output to achieve precision work standards and better grinding capability
 - * Cartridge spindle w/4 preloaded class 7 (P4) bearing and run out of taper nose better than 0.00060 T.I.R.provides quiet,vibration free operation for better workpiece accuracy.
- * M618: roller steel balls on linear table ways for easy and smooth longitudinal movements and “V+Flat” shape saddle ways for rigidity.
- * Mid-level downfeed handwheel placement for convenient and easy positioning for Z-axis
- * Manual lubrication system provides lubrication to all necessary mechanism saddle&column ways,bearings and lead screws for better machine performance and less maintenance.
- * Convenient control panel including all buttons and switches.
- * Digital readout system – two axis (Z& Y axis) digital readout
The min.digital readout amount:0.001-0.005mm

Standard Appendix:

- (1) tool box (2) balancing stand and bar (3) handwheel nut (4)flange wrench
 (5) screwdriver (6)Balancing screw (7)open-end wrench (8)inner hexagon spanner
 (9) wheel dresser holder (10) machine stand pad (11) wheel flange
 (12) diamond wheel dresser (diamond pen) (13) permanent chuck

Optional accessories:

- (1) tiltable permanent chuck or electro magnetic chuck (2) demagnetizer (3) angle dresser
 (4) radius dresser (5) precision vice (6) 2- axis digital readout system
 (7) working light (8)wheel flange

Technical Parameters

Main specifications	Units	M618A
Max.workpiece to be Ground(LxWxH)	mm	400x180x250
Max. Grinding Length	mm	430
Max. Grinding Width	mm	190
Distance From Table Surface To Spindle Center	mm	335
Slide way		V-type rail with Steel-ball

V-type rail with Steel-ball	Kg	100
Table Size (LxW)	mm	400x180
Number of T -Slot	mmxn	12x1
Cross Feed On Handwheel	mm	0.02/Graduation 2.5/revolution
Vertical Feed On Handwheel	mm	0.01/Graduation 1.25/revolution
Wheel Size (dia.xwidthxbore)	mm	180x13x31.75
Spindle Speeds	50Hz	rpm
		2850
Spindle Motor	Kw	1.1
Coolant Pump	Kw	0.4
Minimum of Numerical Display	mm	0.001
Machine Size (LxWxH)	mm	1550x1060x1590
Packing Size (LxWxH)	mm	1060x1170x1870
GrossNet	T	0.80 0.70



Manual surface grinder



Optional:electric power attached

M618A (MD618)



M820



M250

Feature:

X,Y,Z: 3-axis manual operation

Standard appendix:

- (1)tool box (2) balancing stand & bar (3) handwheel nut
- (4)flange wrench (5)screwdriver (6)balancing screw
- (7)open-end wrench (8)inner hexagon spanner
- (9)wheel dresser holder (10)machine stand pad
- (11) wheel flange (12)diamond wheel dresser
- (13) permanent chuck

Optional accessories:

- (1) Tiltable permanent chuck
- (2)Demagnetizer
- (3) Angle dresser (4)radius dresser
- (5) precision vice (6) 2-axis DRO
- (7) working light (8)wheel flange
- (9) electric power attached(x.y-axis) (MD618,MD820)
- (10)electro magnetic chuck

Technical parameters	Unit	M618A	M820	M250
Max.workpiece to be ground(LxWxH)	mm	500x190x250	530x220x320	560x260x280
Max. grinding length	mm	500	530	560
Max. grinding width	mm	190	220	260
Distance from table surface to spindle center	mm	335	450	430
Max.load of worktable	mm	200	200	200
Table size(LxW)	mm	460x180	480x200	540x250
Cross feed on handwheel	mm	0.02/Gra 2.5/Rev	0.02/Gra 2.5/Rev	0.02/Gra 2.5/Rev
Vertical feed on handwheel		0.01/Gra 1.25/Rev	0.01/Gra 1.25/Rev	0.01/Gra 1.25/Rev
Wheel size(diaxwidthxbore)	mm	180x13x31.75	200x20x31.75	200x20x31.75
Spindle speeds	rpm	2850	2850	2850
Spindle motor	kw	1.1	1.1	1.1
Coolant pump	kw	0.4	0.4	0.4
Machine size (LxWxH)	mm	1550x1150x1590	1680x1140x1760	1680x1220x1720
Packing size (LxWxH)	mm	1000x1140x1760	1140x1250x1960	1200x1400x1960
Gross, Net weight	l	0.75 0.65	0.8 0.7	0.90 0.85

Auto-hydraulic surface grinder



Feature:

MY3060,MY3075: Hydraulic transmission on longitudinal, manual & auto feed on transverse, rapid movement & manual feed on vertical;
 MY820, MY250: Hydraulic transmission on longitudinal, manual feed on transverse and vertical, auto feed attached on Y-axis is optional.

Standard appendix:

- (1) tool box (2) balancing stand & bar (3) handwheel nut
- (4) flange wrench (5) screwdriver (6) balancing screw
- (7) open-end wrench (8) inner hexagon spanner
- (9) wheel dresser holder (10) machine stand pad
- (11) wheel flange (12) diamond wheel dresser
- (13) permanent chuck

Optional accessories:

- (1) tiltable permanent chuck
- (2) demagnetizer
- (3) angle dresser (4) radius dresser
- (5) precision vice (6) 2-axis DRO
- (7) working light (8) wheel flange
- (9) Auto power attached(y-axis) (10) electric magnetic chuck

Technical parameters	Unit	MY820	MY250	MY3060	MY3075
Max. workpiece to be ground (LxWxH)	mm	520x220x320	560x260x280	630X320X390	780x310x390
Max. grinding Length	mm	530	560	630	780
Max. grinding Width	mm	220	260	320	310
Distance from table surface To spindle center	mm	450	430	550	550
Max. load of worktable	Kg	200	200	200	200
Table Size(LxW)	mm	480x200	540x250	600x300	750x300
Speed of Working Table	m/min	3-23	3-23	3-23	3-23
Cross Feed On Handwheel	mm	0.02/Gra 2.5/Rev	0.02/Gra 2.5/Rev	0.02/Gra 2.5/Rev	0.02/Gra 2.5/Rev
Vertical Feed On Handwheel	mm	0.01/Gra 1.25/Rev	0.01/Gra 1.25/Rev	0.01/Gra 2/Rev	0.01/Gra 2/Rev
Wheel Size(diaxwidthxbore)	mm	200x20x31.75	200x20x31.75	250x25.4x76.2	250x25.4x76.2
Spindle Speeds	mm	2850	2850	1450	1450
Spindle Motor	rpm	1.1	1.5	2.2	2.2
Hydraulic station motor	kw	1.5	1.5	2.25	2.25
Coolant Pump	kw	0.4	0.4	0.4	0.4
Machine Size (LxWxH)	mm	1680x1140x1760	1680x1220x1800	1900x1530x1950	1900x1530x1950
Packing Size (LxWxH)	mm	1630x1140x1960	1630x1400x1940	1970x1660x2030	1970x1660x2030
Gross, Net weight	T	0.85 0.75	0.90 0.85	1.33 1.2	1.43 1.3

Maual surface grinder - M618A,M820,M250

Main specifications		Units	M618A	M820	M250
Max. workpiece to be Ground(LxWxH)		mm	400x180x250	500x200x320	550x250x280
Max. Grinding Length		mm	430	530	580
Max. Grinding Width		mm	190	220	260
Distance From Table Surface To Spindle Center		mm	335	490	450
Slide way			V-type rail with Steel-ball	V-type rail with Steel-ball	V-type rail with Steel-ball
V-type rail with Steel-ball		Kg	100	100	100
Table Size (LxW)		mm	400x180	480x200	550x250
Number of T -Slot		mmxn	12x1	12x1	12x1
Cross Feed On Handwheel		mm	0.02/Graduation 2.5/revolution	0.02/Graduation 2.5/revolution	0.02/Graduation 2.5/revolution
Vertical Feed On Handwheel		mm	0.01/Graduation 1.25/revolution	0.01/Graduation 1.25/revolution	0.01/Graduation 1.25/revolution
Wheel Size (dia.xwidthxbore)		mm	180x13x31.75	200x16x31.75	200x16x31.75
Spindle Speeds	50Hz	rpm	2850	2850	2850
Spindle Motor		Kw	1.1	1.1	1.5
Coolant Pump		Kw	0.4	0.4	0.4
Minimum of Numerical Display		mm	0.001	0.001	0.001
Machine Size (LxWxH)		mm	1550x1060x1590	1680x1140x1800	1800x1400x1800
Packing Size (LxWxH)		mm	1060x1170x1870	1140x1630x1960	1200x1340x1960
GrossNet		T	O.80 0.70	O.85 0.75	O.85 0.90