Surface Grinding

Semi-automactic series- ESG-3A1640

Specifications:

3A: Longitudinal Hydraulic, Crossfeed Motorized And Rapid Up/Down Motorized.

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|--|---------------------------------|--|
| MODEL | | ESG-3A1640 |
| Table Size | | 406x1020mm(16x40") |
| Max.grinding length | Longitudinal | 1020mm(40") |
| Max.grinding width | Crosswise | 410mm(16") |
| Max. distance from table surface to spindle centerline | | Standard column:630mm(24 3/4"); Optional high column:720mm(28 5/16") |
| Stadard magnetic chuck size | | 400x800mm(15 11/16x31 1/2") |
| | Max. travel, hydraulic | 1060mm(41 11/16") |
| | Max. travel, manual | 1100mm(43 1/4") |
| Longitudinal movement of table | Max. travel,infinitely variable | 60HZ,5-25m/min,50HZ,5-20m/min |
| | Auto transverse increment | 1~25mm(0.04"-1") |
| | Max. auto transverse travel | 430mm(17") |
| | Max. manual transverse travel | 460mm(18") |
| | Handwheel per revolution | 5mm(0.2") |
| Cross transverse travel | Handwheel per graduation | 0.02mm(0.001") |
| | Automatic infeed | 0.001-0.04mm(0.00005-0.002") |
| | Step feed (jog) | 0.001mm(0.00005") |
| | Rapid travel, Approx | 150mm/min |
| | Slow travel, Approx | 6mm/min |
| | Handwheel revolution | 1mm(0.05") |
| Sheelhead vertical infeed | Handwheel graduation | 0.005mm(0.0005") |
| | Speed | 60HZ,1750 R.P.M.; / 50HZ,1450 R.P.M. |
| Grinding spidle drive | Power rating | Standard:5HP; Optional:7 1/2HP,10HP |
| | Diameter | 355mm(14") |
| | Width | 50mm(2") |
| Standard grinding wheel | Bore | 127mm(5") |
| Hydraulic motor | Power rating | 3.0HPx6P |
| Crossfeed motor | Power rating | 80Wx6P |
| Elevating motor | Power rating | 1/4HPx6P |
| Floor space | Total space required | 4020x2200x2050xmm(158x87x81") |
| | Net weight, Approx. | 4000KGS(8800LBS) |
| Weights | Gross weight, Approx. | 4500KGS(9900LBS) |
| | | 8 1/2HP(Spindle motor:5HP) |
| Rated power, Approx | | 11HP(Spindle motor:7.5HP), |
| Packing dimensions | LxWxH | 3250x2290x2200mm(128x90x88") |

GENERAL FEATURE:

1.Column:

Enlarged, honeycomb-ribbed column especially suitable for heavy duty grinding.

2.Construction:

Construction of table, saddle and base is casted with high grade iron, strongly ribbed.

3.Spindle:

Enlarged spindle set is supported by four preloaded precision angular contact Ball bearings for heavy duty.

4.Slideways:

Vertical, cross (double vess) and longitudinal (one vee &one flat) slideways are coated with Turcite-B, provides stable movement and durable accuracy.

5.Automatic Continuous Lubrication System:

All slideways and screws are fully oiled by automatic continuous lubrication system to eliminate wears on slideways & screws.

6.Cross Feed:

Ball screw for cross travel, powered by AC motor.

7. Hydraulic Table:

Table speed ranges 5-25m/min. With rack and pinion table drive for hand operation.

8. Proximity Switch:

Provide built-in-type (hidden) proximity switch, features safe and easy operation.

9. Table Speed Control:

Presettable hydraulic table speed control allows operator to pre-set speed rate, enable to get same speed rate when engaging hydraulic table every time.

10.Hand Wheels:

Zero-setting slip-ring with vernier on vertical handwheel, and vernier on crossfeed handwheel.



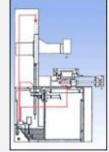
Enlarged Spindle Set For 1228, 1232, 1236, And 16 Series



Ballscrew For Crossfeed Movement



Presettable Table Speed Control For 1228, 1232, 1236, And 16 Series



Auto Lubrication System

Standard Accessories:

- Wheel Extrace Screw & Nut
- Tool Box With Tools
- Balancing
- Auto Lubrication System
- Levelling Screw With Blocks
- Diamond Dresser
- Whell Flange
- Touch-up Paint
- Grinding Wheel
- Crossfed Ballscrew

Optional Accessories:



Electro Magnetic Chuck



Inclinable Permanent Magnetic Chuck



Swivel Wheel Guard



Frequency Changer



Screw Type Parallel Dressing Attachment



Coolant System With Manual Paper Feeding Device



Concave Convex Forming Dresser



Auto Paper Feeding

Device With Magnetic

Separator

Work Lamp



Full Guarded Splash

Guard (10/12/16 Series)

Splash Guard



Electro Parallel Dressing

Attachment

Wheel Flance



Manual Parallel Dresser



Chuck Control With Demagnetizer



Precision Vice



Punch Former



Balancing Stand (Double Line)



Roller Type Balancing Stand



Micro Crossfeed For 10/12/16 Series



Ratchet Type Electro Parallel Dresser (10/12/16 Series)



Digital Readout



Permanent Magnetic Chuck



Micro Down Feed For 10/12/16 Series