

Clousing Large Capacity Precision ASDIII Automatic Surface Grinders



Shown with optional MPG, Dynamic Balancer, Coolant System with Auto Paper Feeding Device and Magnetic Separator



ASDIII Series Operation Panel

Delta PLC Digital Control features a 7.2" color touch screen and is equipped with the exclusive EQUIPTOP picture mode working system, easy to learn and operate.



Grinder Condition Input



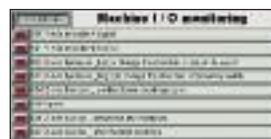
Alarm Message



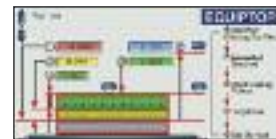
System Data



Starting Picture



Machine I / O Monitoring



Grinding Size Input

Large Capacity Precision Automatic Surface Grinders Features...

- Large capacity up to 32" x 120" (810 x 3050mm) Table
- Enlarged extra strong ribbed column, ideal for heavy-duty grinding
- Table, saddle and base are constructed of high grade cast iron and ribbed for maximum strength
- Spindle is supported by 4 front and 2 rear precision angular contact ball bearings
- All slideways and ballscrews fully oiled by an automatic continuous lubrication system to minimize wear on slideways and ballscrews
- Longitudinal hydraulic transverse with constant speed function or manual speed handle. Table rides on double V slideways coated with "TURCITE-B" for maximum stability
- Cross traverse travel powered by DC servo motor and ballscrew, allows step feed and continuous infeed grinding.
- Vertical positioning by precision ballscrew
- Pre-set hydraulic table speed control allows operator to pre-set table speed rate and maintain the same speed rate every time the hydraulic table is engaged

Specifications: (CSG24 Series are Column type construction / CSG32 Series are Cantilever type construction)

Model	CSG2448ASDIII	CSG2460ASDIII	CSG2480ASDIII	CSG3260ASDIII	CSG3280ASDIII	CSG32120ASDIII
Table Size	23.6" x 47.24" (600 x 1200mm)	23.6" x 59" (600 x 1500mm)	23.6" x 78.7" (600 x 2000mm)	31.9" x 60" (810 x 1525mm)	31.8" x 80.7" (810 x 2050mm)	31.8" x 120" (810 x 3050mm)
Max. grinding length (longitudinal)	49.6" (1260mm)	61.4" (1560mm)	81" (2060mm)	61" (1550mm)	80.7" (2050mm)	120" (3050mm)
Max. grinding width (crosswise)	24" (610mm)	24" (610mm)	24" (610mm)	31.9" (810mm)	31.9" (810mm)	31.9" (810mm)
Max. distance from table surface to spindle centerline Standard	28.3" (720mm)	28.3" (720mm)	28.5" (720mm)	28.3" (720mm)	28.3" (720mm)	28.3" (720mm)
Optional	33.5" (850mm)	33.5" (850mm)	33.5" (850mm)	33.5" (850mm)	33.5" (850mm)	33.5" (850mm)
Standard magnetic chuck size	23.6" x 47.2" (600 x 1200mm)	23.6" x 29.5" ea 2pcs (600 x 750mm) ea 2pcs	23.6" x 39.37" ea 2pcs (600 x 1000mm) ea 2pcs	31.5" x 29.5" ea 2pcs (800 x 750mm) ea 2pcs	31.5" x 39.4" ea 2pcs (800 x 1000mm) ea 2pcs	31.5" x 39.4" ea 3pcs (800 x 1000mm) ea 3pcs
Longitudinal movement of table						
Max. travel (hydraulic)	51.18" (1300mm)	63" (1600mm)	82.7" (2100mm)	63" (1600mm)	82.5" (2100mm)	122" (3100mm)
Max. travel (manual)	53" (1350mm)	64.9" (1650mm)	84.6" (2150mm)	64.9" (1650mm)	84" (2150mm)	124" (3150mm)
Table speed infinitely variable	196"-984"/min. (5-25m/min)	196"-984"/min. (5-25m/min)	196"-984"/min. (5-25m/min)	196"-984"/min. (5-25m/min)	196"-984"/min. (5-25m/min)	196"-984"/min. (5-25m/min)
Column crossfeed transverse travel						
Auto transverse increment (jog)	0.04"-1" (1-25mm)	0.04"-1" (1-25mm)	0.04"-1" (1-25mm)	0.04"-1" (1-25mm)	0.04"-1" (1-25mm)	0.04"-1" (1-25mm)
Auto constant feeding speed	1"-11"/min. (25-280 mm/min)	1"-11"/min. (25-280 mm/min)	1"-11"/min. (25-280 mm/min)	1"-11"/min. (25-280 mm/min)	1"-11"/min. (25-280 mm/min)	1"-11"/min. (25-280 mm/min)
Max. auto transverse travel	26" (660mm)	26" (660mm)	26" (660mm)	33.8" (860mm)	33.8" (860mm)	33.8" (860mm)
Max. manual transverse travel	27" (690mm)	27" (690mm)	27" (690mm)	34.8" (885mm)	34.8" (885mm)	34.8" (885mm)
Handwheel per revolution	0.004" (.1mm)	0.004" (.1mm)	0.004" (.1mm)	0.004" (.1mm)	0.004" (.1mm)	0.004" (.1mm)
Handwheel per graduation	.00004" (.001mm)	.00004" (.001mm)	.00004" (.001mm)	.00004" (.001mm)	.00004" (.001mm)	.00004" (.001mm)
Wheelhead vertical infeed						
Automatic infeed	0.05" (1mm) jogging downfeed 0.25/10000" (0.001mm)					
Step feed (jog)	jogging downfeed: 1-25/10000" (0.001-0.05mm)					
Manual pulse generator (per graduation)	0.00005" (0.001mm)	0.00005" (0.001mm)	0.00005" (0.001mm)	0.00005" (0.001mm)	0.00005" (0.001mm)	0.00005" (0.001mm)
Rapid travel, approx.	18"(460mm)/min.	18"(460mm)/min.	18"(460mm)/min.	18"(460mm)/min.	18"(460mm)/min.	18"(460mm)/min.
Slow travel, approx.	0.25"(6mm)/min.	0.25"(6mm)/min.	0.25"(6mm)/min.	0.25"(6mm)/min.	0.25"(6mm)/min.	0.25"(6mm)/min.
Handwheel per revolution	0.004" (0.1mm)	0.004" (0.1mm)	0.004" (0.1mm)	0.004" (0.1mm)	0.004" (0.1mm)	0.004" (0.1mm)
Handwheel per graduation	0.00004" (0.001mm)	0.00004" (0.001mm)	0.00004" (0.001mm)	0.00004" (0.001mm)	0.00004" (0.001mm)	0.00004" (0.001mm)
Grinding spindle drive						
Speed (rpm)	1750	1750	1750	1750	1750	1750
Power rating	10 Hp (7.5kw)	10 Hp (7.5kw)	10 Hp (7.5kw)	15 Hp (10kw)	15 Hp (10kw)	15 Hp (10kw)
Standard grinding wheel						
Diameter	16" (405mm)	16" (405mm)	16" (405mm)	16" (405mm)	16" (405mm)	16" (405mm)
Width	2" (50mm)	2" (50mm)	2" (50mm)	2" (50mm)	2" (50mm)	3" (50mm)
Bore	5" (127mm)	5" (127mm)	5" (127mm)	5" (127mm)	5" (127mm)	5" (127mm)
Hydraulic motor (power rating)	7.5 Hp/6P	7.5 Hp/6P	7.5 Hp/6P	10 Hp/6P	10 Hp/6P	10 Hp/6P
Crossfeed motor (power rating)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)
Elevating motor (power rating)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)	2.6 Hp (2kw)
Total space required (LxWxH)	170"x138"x 93" (4300x3500x2350mm)	193"x138"x 93" (4902x3500x2350mm)	233"x138"x 93" (5900x3500x2350mm)	244"x146"x 109" (6200x3700x2750mm)	284"x146"x 97" (7200x3700x2450mm)	367"x146"x 97" (9300x3700x2450mm)
Net weight (lbs)	14,330 (6500kg)	16,535 (7500kg)	18,740 (8500kg)	29,700 (13500kg)	33,000 (15000kg)	37,400 (17000kg)
Gross weight (lbs)	16,535 (7500kg)	18,740 (8500kg)	20,944 (9500kg)	33,000 (15500kg)	36,300 (16500kg)	41,800 (19000kg)