



PRECISION Cylindrical Grinder



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A faint, grayscale image of a precision cylindrical grinder machine, showing its complex mechanical structure and control panels.

e-tech Machinery, Inc.



EGP-2050 NC



EGP-3260 NC

Unit:mm

DESCRIPTION / MODEL	EGP 2050M/NC	EGP 2550H/NC	EGP 32 / EGP38 / EGP45-60 / 100 / 150 / 200H / NC				
General capacity	Distance between centers	500	500	600	1000	1500	2000
	Swing over table	Ø220	Ø260	Ø320 / Ø380 / Ø450			
	Max. grinding diameter	Ø200	Ø250	Ø300 / Ø360 / Ø430			
	Max. load held between centers	80kgs		150 kgs			
Grinding wheel	Diameter X width X bore	Ø355 x 38 x Ø127		Ø405 x 50 x Ø127			
	Spindle speed (60HZ / 50HZ)	1620 / 1960	1800	1650			
Wheelhead	Swivelling angel(R&L)	Fixed	± 30°	± 30°			
	Infeed travel	160	135	245			
	Hand feed travel	160	90	200			
	Top slide travel	180					
	Automatic rapid travel	45					
	Auto increment infeed (NC model)	Ø0.001 ~ Ø0.999					
	Handwheel per graduation	Ø0.005	Ø0.004				
	Handwheel per revolution	Ø2					
Workhead	Swivelling angel(R&L)	± 45°		90°			
	Center taper	MT 3 (opt. 5C)		MT 4 (opt. MT5, 5C)			
	Spindle speed	150 / 264 356 / 480 rpm		30 ~ 350 rpm (variable speeds)			
Tailstock	Center taper	MT 3		MT 4 (opt. MT5)			
	Quill travel	25					
Table	Swivelling angel(R&L)	± 8°		± 9°	± 7°	± 5°	± 3°
	Traverse speed	80 / 140 / 230	30 ~ 7000 mm / min				
	Handwheel per revolution	9		10			
Internal grinding	Spindle speed	14000rpm or 25000 rpm		12000 / 18000 rpm or 25000 rpm			
	Max. grinding bore	Ø24~70		Ø30 ~ 100 or Ø20 ~ 50			
	Max. grinding length	70		110 or 55			
	Max. chucking length	275		315			
	Max. chucking diameter	Ø110		Ø150			
Motor	Wheel spindle motor	3 HP (4P)	5 HP (4P)	7.5 HP (4P)			
	Workhead spindle motor	1 / 2 HP (4P)		2 HP (4P)			
	Coolant pump	1 / 8 HP (4P)		1 / 4 HP (2P)			
	Hvdraulic pump	-		2 HP (4P)			
	Internal grinding motor	1 / 2HP (2P)		2 HP (4P)			
Machine	Net weight	1850 kgs	2800 kgs	3500 kgs	3600 kgs	4700 kgs	6000 kgs
	Gross weight	2250 kgs	3200 kgs	4000 kgs	4700 kgs	5600 kgs	6780 kgs
	Packing dimension (L x W x H)	2270 x 2270 x 1880	2280 x 2280 x 1940	3030 x 2250 x 2030	3030 x 2250 x 2030	4030 x 2250 x 2030	5220 x 2250 x 2030

CYLINDRICAL GRINDER

CNC SERIES



EGP-32100CNC



EGP-2050CNC

Unit:mm

DESCRIPTION / MODEL		EGP20 / EGP25-50CNC		EGP32 / EGP38 /		EGP45-50 / 60 / 75 / 100 / 150 / 200CNC				EGA-25 35CNC	EGA32 / EGA38 /		EGA45-35 / 50 / 80 / 120CNC		
General capacity	Swing over lable	Ø200	Ø250	Ø320 / Ø380 / Ø450		Ø320 / Ø380 / Ø450				Ø250	Ø320 / Ø380 / Ø450				
	Distance between centers	500		500	600	750	1000	1500	2000	350	350	500	800	1200	
	Max.grinding diameter	Ø200	Ø250	Ø300 / Ø360 / Ø430		Ø300 / Ø360 / Ø430				Ø250	Ø300 / Ø360 / Ø430				
	Max.load held between centers	80 kgs		150 kgs		150kgs				80 kgs	150 kgs				
Grinding wheel	Diameler x width x bore	Ø355x25~50xØ127	Ø405 x 50 x Ø127	Ø510x50~100xØ152.4		Ø510x50~100xØ152.4				Ø510x50xØ127	Ø510x50~100xØ152.4				
	Wheel speed	1940 rpm	1650 rpm	1390 rpm		1390rpm				1650rpm	1390 rpm				
	Max.peripheral speed	1800M/min			1800 M/ min				2220 M/min						
Wheelhead	Silding angle	90°			90°				60°						
	Max.Rapid feedrate	6M/min			6 M/min				10 M/min						
	Infeed travel	150	160	225		225				160	225				
	Min.infeed increment	Ø0.001			Ø0.001				Ø0.001						
Workhead	Spindle speed (Variable)	50~500 rpm		30~350rpm		30~350 rpm				50~500rpm	30~350 rpm				
	Center taper	MT 3		MT 4 (opt.MT 5)		MT 4 (opt. MT5)				MT3	MT 4 (opt. MT5)				
	Spindle type	Fixed&Rotary													
	Diameter of bore	Ø20		Ø23		Ø23				Ø20	Ø23				
Tailstock	Quill travel	25			25				25						
	Center taper	MT 3		MT 4 (opt. MT 5)		MT 4 (opt. MT 5)				MT 3	MT4 (opt. MT5)				
Table	Rapid feedrate	8 M/min		10 M/min		10 M/min				8M/min	10 M/min				
	Min.infeed increment	0.001			0.001				0.001						
	Swivelling angle C.C.W.	7°		9°		7°				5°	3°	7°	9°	7°	5°
Motor	Wheel spindle motor	5 HP		7.5HP (opt.10 Hp)		7.5 HP (opt. 10HP)				7.5 HP	7.5 HP (opt. 10HP)				
	Workhead motor	1 / 2 HP		2 HP		2HP				1/2 HP	2 HP				
	Hydraulic pump	1 HP		2 HP		2HP				1 HP	2 HP				
	Lubrication pump	1/4HP			1/4 HP				1/4 HP						
	Coolant pump	1 / 8 HP		1/4 HP		1/4 HP				1/8 HP	1/4 Hp				
	X axis motor (Fanuc)	1.2KW			1.2 KW				1.2 KW						
Z axis motor (Fanuc)	1.2KW			1.2 KW				1.8 KW		1.2 KW		1.2 KW			
Machine	Net weight (semi enclloed)	2500kgs	3100 kgs	5200kgs	5600kgs	5800kgs	5800kgs	6300kgs	6700kgs	3100kgs	5200kgs	5600kgs	5800kgs	6300kgs	
	Grass weight	2800kgs	3500kgs	5600kgs	6420kgs	7000kgs	7500kgs	7800kgs	8200kgs	3500kgs	5600kgs	6420kgs	7500kgs	7800kgs	
	Packing dimension (L x W x H)	2700x2250x2220	2970x2250x2250	4250x2280x2260	4760x2280x2260	3780x2300x2040	5280x2280x2280	5610x2280x2310	6360x2280x2310	2970x2250x2250	4250x2280x2260	4760x2280x2260	5280x2280x2280	5610x2280x2310	

CENTER HOLE GRINDER



EGH-1215

DESCRIPTION / MODEL		EGH-1015 / EGH-1215
Workpiece	Diameter of workpiece	Ø5 ~ Ø150
	Length of workpiece	50 - 1000 / 50 - 1200
	Max weight of workpiece	100 kgs
Grinding capacity	Cone angle of center holes	60°
	Diameter of center holes	Ø2 ~ Ø50
	Planetary axis stroke	1.5
Grinding spindle	Diameter of grinding wheel	Ø25
	Speed of grinding spindle	8000 -20000 rpm
Motor	Grinding spindle motor	220 V / 1.5 HP / 3 ph
	Planetary axis motor	220 V / 100W / 3 ph
	Dust collection motor	220 V 0.5 HP /3 ph
Vertical downfeed	Max.Stroke	200
	Micro feed(handwheel per revolution)	0.125
	Micro feed(handwheel per granduation)	0.0125
Dressing device	Diamond dresser	80
	Handwheel per revolution	1.5
Electricity	Power source	220 V , 50 / 60 Hz , 3 ph
	Electric power	1.5 KVA
Weight	Net weight	1000 kgs

Unit:mm

CNC INTERNAL GRINDER



EGI-150CNC

DESCRIPTION / MODEL		EGI-150CNC
General capacity	ID Grinding Range	Ø 6 ~ Ø 150
	Max.Grinding Depth	125
	Max. Swing to Dresser	Ø 220
	Swing of Chuck Cover	Ø 260
	Spindle Center Height	1050
	Chuck Type	6" Hydraulic Chuck (Opt. 8")
Work Head	Max. Loading	50 kg
	Spindle Speed (Variable)	0 ~ 1000 rpm
	Swiveling Angle	C.W. 15° ~ C.C.W. 5°
X-Axis	Spindle Motor	1.5 kw
	Feedback System	Closed-Loop System
	Stroke	200
	Rapid Traverse Speed	10 m/min
Z-Axis	Min. Infeed Increment	0.0001
	X-axis Servo Motor	1.2 kw
	ID Spindle Motor	2.2 kw (2P)
	ID Spindle Motor	8,000 ~ 30,000 rpm (special speed by request)
	Stroke	560
	Z-axis Driven by	Servo Motor 1.8 kw
Coolant system	Rapid Traverse Speed	10 m/min
	Min. Infeed Increment	0.0001
	Equipments	Electro Magnet Separator+Magzer (Opt. Paper filter)
	Tank Volumn	120L
Lube. System	Capacity	40L/min
	Motor	0.1 kw (4P)
HYD. System	Tank Volumn	2 L
	Motor	45 w
Dimension / Weight	Tank Volumn	10 L
	Motor	1 HP (4P)
	Machine Cover Type	Full Enclosed Splash Guard / Manual Door
	Net Weight	3500 kgs
Dimension / Weight	Gross Weight	4000 kgs
	Packing (L x W x H)	2980 x 2280 x 2250

Unit:mm