

TD SPECIFICATIONS

MODEL		ESG-1020TD	ESG-1224TD	ESG-1228TD	ESG-1236TD	ESG-1632TD	ESG-1640TD	ESG-2040TD
DESCRIPTIONS								
TABLE SIZE		254x508mm	300x600mm	305x712mm	305x915mm	406x813mm	406x1020mm	506x1020mm
Max. grinding length	Longitudinal	520mm	600mm	600mm	915mm	813mm	1020mm	1020mm
Max. grinding width	Crosswise	280mm	300mm	330mm		410mm		500mm
Max. Distance from table surface to spindle centerline		Standard column: 500mm Optional high column: 600mm	585mm	Standard column: 630mm / Optional high column: 720mm				
standard magnetic chuck size		250x500mm	300x600mm	300x700mm	300x800mm	400x800mm	400x1000mm	500x1000mm
Longitudinal movement of table	Max. Travel, hydraulic	580mm	650mm	760mm	890mm	890mm	1060mm	1060mm
	Max. Travel, manual	620mm	730mm	830mm	930mm	930mm	1100mm	1100mm
	Max. Travel, infinitely variable	60HZ, 5-25m/min ; 50HZ, 5-20m/min						
Cross transverse travel	Auto transverse increment	1-13mm	1-19mm	1-25mm				
	Auto constant feeding speed	20-320mm/min						
	Max. auto transverse travel	270mm	310mm	350mm		430mm		510mm
	Max. manual transverse travel	300mm	340mm	380mm		460mm		520mm
	Handwheel per revolution	5mm						
	Handwheel per graduation	0.02mm						
wheelhead vertical infeed	Automatic infeed			0.001-0.05mm				
	step feed(Jog)	0.001mm		0.001mm				
	Rapid travel,Approx	150mm/min		150mm/min				
	Slow travel Approx.	6mm/min		6mm/min				
Grinding spindle drive	Speed	60HZ:3450 ; 50HZ:2850(R.P.M)			60HZ:1750R.P.M. ; 50HZ:1450R.P.M.			
	Power rating	3.0HP	5.0HP	Standard:5HP ; Optional:7 1/2HP				7 1/2HP
standard grinding wheel	Diameter	205mm	304mm	355mm				
	Width	19mm	31.75mm	50mm				
	Bore	19mm, MAX.25mm	76.2mm	127mm				
Hydraulic motor	power rating	2.0HPx6P	2.0HPx6P	3.0HPx6P				
Crossfeed motor	power rating	750W						
Elevating motor	power rating	1/4HPx6P						
Floor space	Total space required	2400x1450x1750 mm	2700x1600x1850 mm	2950x1970x2050 mm	3550x1970x2050 mm	3290x2200x2050 mm	4020x2200x2050 mm	4500x2200x2100 mm
Weights	Net weight, Approx.	1810KGS	1990KGS	3020KGS	3330KGS	3400KGS	4000KGS	4800KGS
	Gross weight Approx.	2160KGS	2290KGS	3520KGS	3700KGS	4000KGS	4500KGS	5200KGS
Rated power,Approx		7HP	8 1/4HP	81/2HP(Spindle motor:5HP),11HP(Spindle motor:7.5HP)				
Packing dimensions	L x W x H	2480x2060x2100 mm	2480x2140x2100 mm	2500x2290x2220 mm	3000x2290x2220 mm	2800x2290x2220 mm	3250x2290x2220 mm	3500x2290x2220 mm

NOTE

The manufacturer reserves the right to modify the design, specifications, mechanisms, etc., To improve the performances of the machine without notice.
All the specifications show above are just for reference.

EQUIPTOP®



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ESG-TD SERIES

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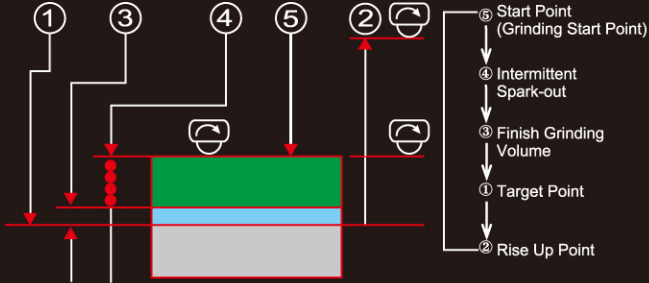


HIGH PRECISION SURFACE GRINDERS

Innovation · Perfection · Technology · Value

Humanware for High Precision

- On TD models, you can set the vertical zero point, start point, finish grinding volume, target point and the grinding wheel rise-up point. the machines features a simple & clear digital display & touch control panel for easy learning and efficient operation.
- Vertical feed powered by an efficient AC motor for rapid up / down, stepping motor for slow up / down movemont and downfeed increment.
- Vertical positioning is displayed on the screen showing present spindle and setting the start point, rough grinding volume, finish grinding volume, downfeed volume for finish grinding, target point, rise up point, intermittent spark-out.
- Cross transverse travel is powered by a brushless DC servomotor. This allows step feeding & continuous infeed grinding. The speed of wheel dressing can be adjusted on the panel.



Patented elevating transmission mechanism



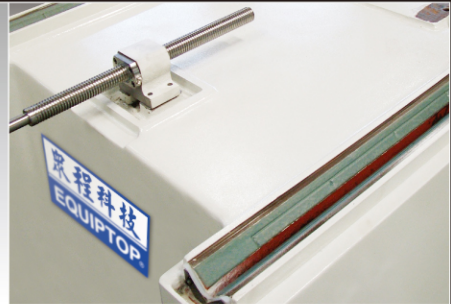
Table travel adjustment, provide built-in-type(hidden) proximity switch, features safe & easy operation (for 1020 series).



Honeycomb-ribbed column

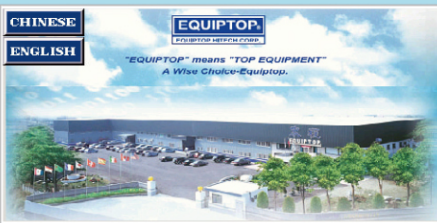


1228-2040 models table speed control

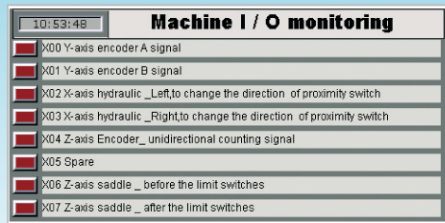


Enlarge double V base. These guide ways are equipped with auto lubrication to resist wear of guide ways, plus lasting accuracy & damping.

New Generation humanware



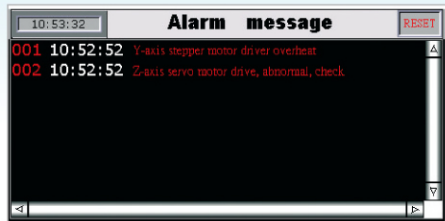
Starting Picture



Machine I / O Monitoring



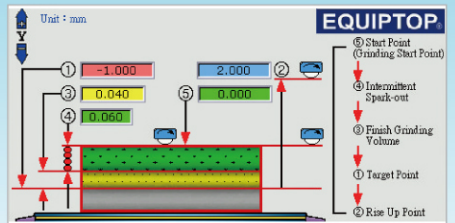
Grinding Condition Input



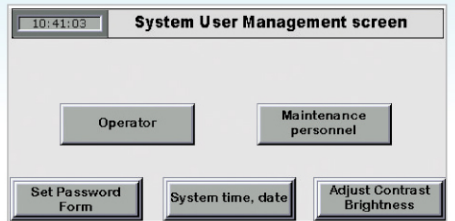
Alarm Messege

TD SERIES FEATURE:

- COLUMN**
Enlarged honeycomb ribbed column especially suitable for heavy duty grinding.
- HIGH ANTI-WEAR GUIDE-WAYS**
The saddle rests on precision hand scraped double V ways, and the table rests on precision hand scraped V and flat ways which coated with "TURCITE-B" These guide ways are equipped with auto lubrication to resist wear of guide ways, and provide stable movement and durable accuracy.
- CROSS FEED**
Cross feed ball screw and drive by Brushless DC motor, there are have two speed rates - rough grinding speed and finish grinding speed, provide high efficiency.
- OPERATION PANEL**
DETAL man-machine 7.2" touch color screen equipped DETAL PLC digital control and EQUIPTOP exclusive pictures mode working system, easy to learn and operate.



Grinding Size Input



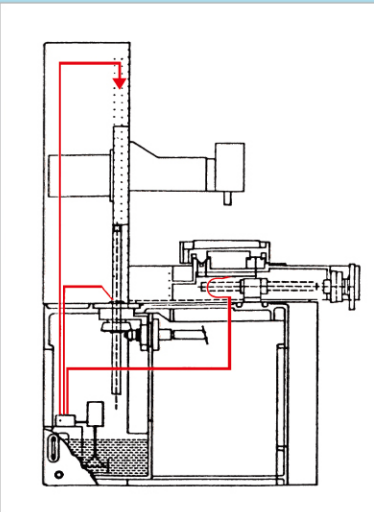
System Data



ESG-1228TD



ESG-1632TD



Auto lubrication system



ESG-1224TD

ESG-TD SERIES

An interface for humanistic Technology