

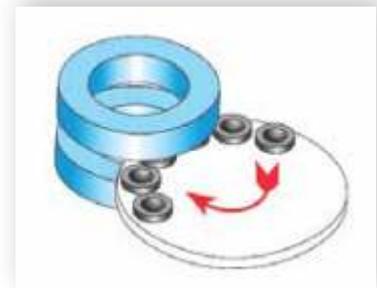


Duplex Grinder With Vertical Spindle (DDV)

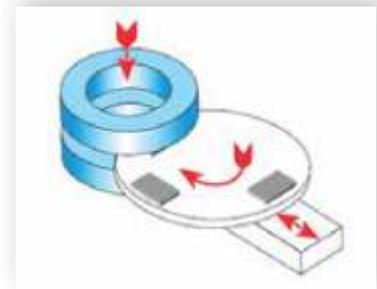
Description:



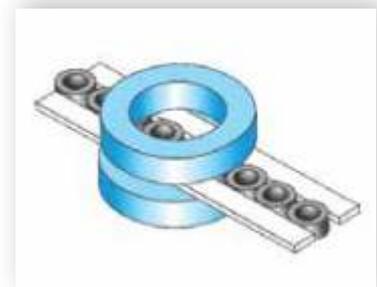
- This series is designed specifically for thin components or to suit automation in work feeding.
- Optimum loading systems to suit customer needs.
- Sturdy forged spindle supported by precision angular contact bearings provides accurate finishing even under heavy-duty loads.
- Robust spindle drive design is through a splined sleeve and precision belt transmission to eliminate spindle deflection during grinding.
- Accurate positioning of grinding wheels with zero backlashes through a precision ball screw, anti-friction slide, and digital control.
- Optimum entry angle for maximum accuracy through effective tilting of the upper head with the lower head in 2 directions.
- Ample coolant supply via rotary union through two spindles.
- Swing arm wheel dresser is hydraulically operated.
- All controls are within easy reach of the operator.
- Optional CNC Controls for Fully Automatic Grinding Cycle including dressing and compensation.
- Optional Auto loading & unloading arrangement.
- Optional Auto gauging and compensation provision.



Oscillating Feed



Rotating Carrier Feed



Through Feed

Technical Specifications:

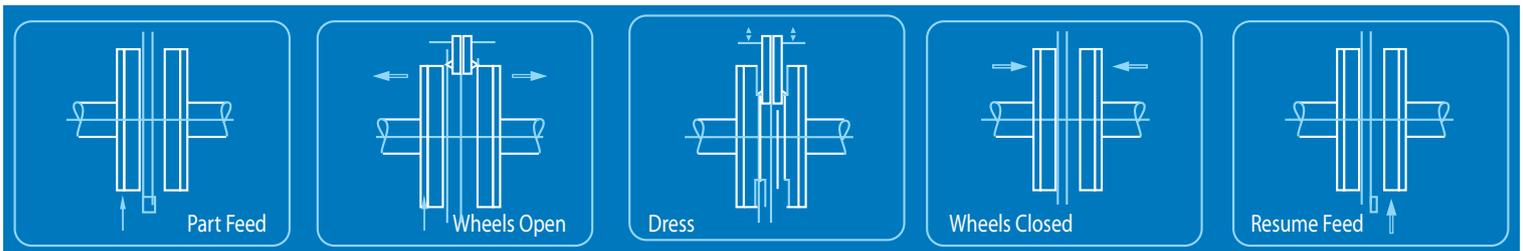


Model		DDV-350	DDV-400	DDV-500	DDV-600
Workpiece Diameter (max)	MM (IN)	50 (2)	70 (2.75)	90 (3.54)	120 (4.72)
Workpiece Thickness (max)	MM (IN)	20 (0.78)	20 (0.78)	25 (1)	50 (2)
Process Speed (Carrier)	RPM	1-5	1-5	1-5	1-5
Wheel Diameter	MM (IN)	350 (14)	400 (16)	500 (20)	600 (24)
Spindle Speed	RPM	1200	1200	950	750
Spindle Motor (2 Units each)	HP (KW)	5 (3.7)	5 (3.7)	15 (11)	20 (15)
Machine Size Length*Width*Height	MM (IN)	2200*2600*3000 (87*103*119)	1500*1000*1900 (59*40*75)	2000*2300*2450 (79*93*97)	2200*2600*3000 (87*103*119)
Machine Net Weight	Kg (Lb)	2500 (5512)	4000 (8800)	6000 (13200)	10000 (22000)
Gross Weight of Machine	Kg (Lb)	3500 (7717)	5000 (11000)	7000 (15400)	11500 (25300)

Fully automatic dressing cycle including positioning of Abrasive Disks to Grind Line



The dresser is programmed to make a specific number of dressing passes and define the amount of infeed per pass. Abrasive disks automatically infeed a preset increment at the completion of each dressing pass. Upon completion of the dressing cycle, both disks will automatically move to the original grind line, compensating for the dressed abrasives. The dressing is initiated by the operator pressing the “Dresser Start” button, or through the programmable control.



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