



# High Precision High Production Parallel Surface Grinding



DOUBLE DISC GRINDER –DDHG-500V-PLC

## Standard Features

- Timing Belt drive spindle
- Servo in feed of grinding wheels
- Servo Linear dressing arm
- Auto dressing & grinding
- Automatic Lubrication System
- Fully Enclosed Guarding
- PLC Control
- Pneumatic operated wheel guard

<b>Specification</b>				
Machine Model	DDSG-400- PLC	DDSG-500- PLC	DDSG-660- PLC	DDSG-750- PLC
Working Task	Parallel Surface Grinding			
Grinding Wheel Diameter (mm)	400	500	660	750
Spindle Arrangement	vertical/ horizontal	vertical / horizontal	vertical / horizontal	vertical / horizontal
In feed of Grinding wheels	Servo	Servo	Servo	Servo
Axes Motor	1Kw	1.5Kw	2.5 Kw	2.5Kw
Spindle Drive	Timing Belt drive	Timing Belt drive	Timing belts	Timing belts
Spindle motor power (Kw)	7.5	11	25	30
Component Feeder	Rotary Carrier	Rotary Carrier	Rotary Carrier	Rotary Carrier
Feeder Drive	Double Reduction Gearbox with VFD			
Feeder motor power (Kw)	1.1	2.2	3.7	3.7
Dressing type	Linear quill type			
In feed of dressing arm	1.5Kw Servo Motor			
Component loading as standard supply	Manual gravity feed magazine for round components			
Component unloading	Gravity with inclined chute			
Component Thickness	1 - 40 mm	1 - 55 mm	1 - 80 mm	1 - 60 mm
Component diameter	60 mm	80 mm	125 mm	160 mm
Production / shift of 70 mm OD & 50 mm ID component	7500 passes	10000 passes	20000 passes	30000 passes
Material removal/pass or depending on accuracies desired	0.07	0.1	0.1	0.15
Surface roughness for final pass of 0.02 mm	0.60 Ra	0.60 Ra	0.60 Ra	0.60 Ra
Parallelism achieved	0.002	0.005	0.005	0.005
Lubrication	Automatic			
Coolant tank capacity	800 Ltrs	1100 Ltrs	1100 Ltrs	1100 Ltrs
Coolant pump	100 lpm	150 lpm	150 lpm	150 lpm
<b>Optional accessories</b>				
Paper band filter with magnetic separator				
Chiller unit				
Wheel mounting plate				
Coolant rotary union				

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