



High Precision High Production Parallel Surface Grinding



DOUBLE DISC GRINDER –DDSG-500V-CNC

Standard Features

- Direct drive spindle
- Servo in feed of grinding wheels
- Servo Linear dressing arm
- Auto dressing & grinding compensation
- Automatic Lubrication System
- Fully Enclosed Guarding
- Fanuc Control
- Heavy duty roller guide ways
- Pneumatic operated wheel guard

Optional Features

- Auto dressing alarm
- Wheel load alarm
- Coolant Chiller unit
- Panel Air conditioner

| Specification | | | | |
|--|---|-----------------------|-----------------------|-----------------------|
| Machine Model | DDSG-400- CNC | DDSG-500- CNC | DDSG-660- CNC | DDSG-750- CNC |
| 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 | 12 Nm | 22Nm | 22Nm | 22Nm |
| Spindle Drive | Direct drive | Direct 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 | 8 Nm 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 | 2 - 60 mm | 2 - 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 | 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 | 0.002 | 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 |
| Optional accessories | | | | |
| Paper band filter with magnetic separator | | | | |
| Chiller unit | | | | |
| Wheel mounting plate | | | | |
| Coolant rotary union | | | | |

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