

**SAM 022347****HUAWIN Type PG400**

|                       |                                   |
|-----------------------|-----------------------------------|
| <b>Group</b>          | CNC Gear grinding machine         |
| <b>Manufacturer</b>   | HUAWIN                            |
| <b>Type</b>           | PG400                             |
| <b>Controller CNC</b> | HUAWIN (FANUC / SIEMENS optional) |



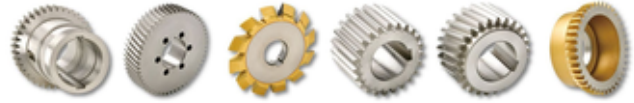
|                             |             |
|-----------------------------|-------------|
| Min. grinding diameter      | 30 mm       |
| Max. grinding diameter      | 400 mm      |
| Min. root diameter          | 20          |
| Min. diametrical pitch      | 1           |
| Max. diametrical pitch      | 999         |
| Max. circular pitch (modul) | 10          |
| Min. circular pitch (modul) | 1           |
| Travels:                    |             |
| X axis                      | 250 mm      |
| Y axis                      | 100 mm      |
| Z axis                      | 800 mm      |
| C axis                      | 360 °       |
| A axis                      | +/-45 °     |
| max. speed                  | 10000 t/min |
| Grinding spindle motor      | 17 kW       |
| Total power required        | <20 kVA     |
| Voltage 50 Hz 3x            | 400 Volt    |
| Machine's weight about      | 8000 kg     |
| Overall dimensions machine: |             |
| Length                      | 2600 mm     |
| Width                       | 2370 mm     |
| Height                      | 2155 mm     |

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**Workpiece**

- Precision profile using rotary dresser.
- Highly rigid box-type bed.
- Equipped with HMI for increasing operational efficiently.
- Linear motor X & Z-axis with zero backlash.
- DD motor of C-axis with zero backlash.

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**Specification**

| Workpiece                        | Spec               |                    |
|----------------------------------|--------------------|--------------------|
|                                  | PG250              | PG400              |
| Min. Gear major diameter         | Φ20 mm             | Φ30 mm             |
| Max. Gear outer diameter         | Φ250 mm            | Φ400 mm            |
| Max.Module                       | 6                  | 10                 |
| Min.Module                       | 0.5                |                    |
| Number of teeth                  | 1-999              |                    |
| Stroke                           |                    |                    |
| X-axis travel                    | 170 mm             | 250 mm             |
| Y-axis travel                    | 60 mm              | 100 mm             |
| Z-axis travel                    | 450 mm             | 800 mm             |
| C-axis                           | ±360°              |                    |
| A-axis                           | ±45°               |                    |
| C-axis(DD motor)                 | 500 N.m            | 1300 N.m           |
| Center distance                  | 80/1000 mm         |                    |
| Spindle power                    | 17 kW              |                    |
| Diameter of Spindle              | 170G               | 170G 220G          |
| Outer diameter of grinding wheel | Φ50-Φ220           | Φ50-Φ220 Φ210-Φ350 |
| Max. speed of spindle            | 10000 rpm          | 10000rpm 4000rpm   |
| Rotary dresser                   | Φ135 x 16W x R 0.3 |                    |
| Air pressure source rated flow   | 30 L/min           |                    |
| Air Pressure                     | 0.5 Mpa            |                    |
| Power capacity                   | < 20 KVA           |                    |
| Machine dimension (L*W*H)        | 2600*2370*2155(mm) |                    |
| Machine weight                   | 8000 kg            |                    |

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