

SAM 022347**HUAWIN Type PG400**

Group	CNC Gear grinding machine
Manufacturer	HUAWIN
Type	PG400
Controller CNC	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)	
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