

Precision par Excellence.
Smart to Future.



GHP-3540

CNC Gear Profile Grinding Machine

Founded in 1913, Matrix machine tool has remained the world's market leader in the manufacture of high precision cylindrical gear grinding and External / Internal thread grinding machine. With the integrated strength from HIWIN group, we are proud to introduce the Matrix **GHP-3540** CNC Gear Profile Grinding Machine.

GHP-3540 applies the FANUC controller and high speed grinding spindle, through the in-house developed intelligent conversation window software, it can flexibly output the required tooth profile and grinding parameter.

The machining workpieces include the involute gears and cycloidal gears, the high efficiency and high precision expressed from the product are equivalent to worldwide top brand's ones. **GHP-3540** is your best choice.

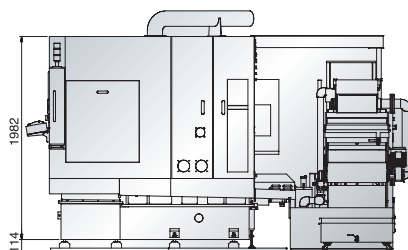
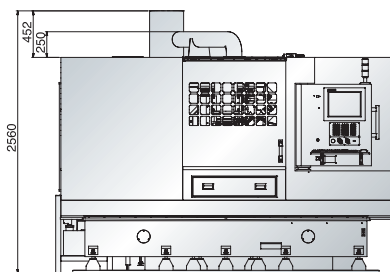
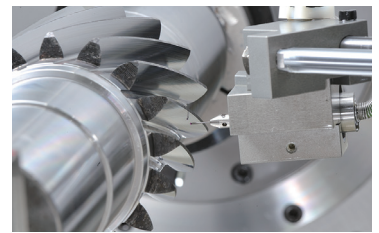
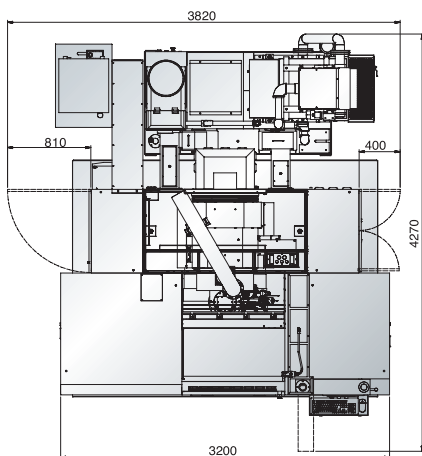


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MAIN SPECIFICATIONS		GHP-3540	
Grinding wheel spindle motor	170G		220G
Min. / Max. workpiece outside diameter	30mm / 400mm		30mm / 400mm
Max. module	M8 (DP3.2)		M8(DP3.2) (diamond point dresser) M12(DP2.1) (diamond rotary disc dresser)
Teeth range	9~999		9~999
Max. tooth depth	18mm		27mm
Helix angle	±45°		±45°
MECHANICAL SPECIFICATIONS			
Min. distance between centers (standard)	40mm		100mm
Max. distance between centers (standard)	695mm		755mm
Max. distance between centers (through-bore in workhead)	1200mm		1200mm
Max. face width	(B-Axis 0°) 400mm		(B-Axis 0°) 400mm
Max. axial slide travel (Z-Axis)	(B-Axis 0°) 650mm		(B-Axis 0°) 650mm
Max. axial slide travel (Z-Axis)	(B-Axis 45°) 230mm		(B-Axis 45°) 290mm
A-axis can accommodate a maximum outside diameter of the workpiece	110mm		110mm
Max. table load (workpiece with fixture)	80kg		80kg
GRINDING WHEEL SPECIFICATIONS			
Min. wheel root diameter/Max. wheel outside diameter	50mm / 230mm		210mm / 320mm
Max. grinding wheel thickness	30mm		40mm
Max. rpm of grinding spindle	10000 rpm		4000 rpm
Drive power of grinding spindle	20 kW		17kW
ELECTRIC SYSTEM			
Voltage			3Ø 220V
Current requirement			50 Amp
Ambient Temperature			10°C ~ 40°C (50°F ~ 104°F)
Max. load of machine			20 kVA
CNC CONTROLLER			FANUC
DIMENSIN & WEIGHT			
Space Requirement	L 4270 x W 3820 x H 2560mm (800mm (32") on each dimension is required for maintenance).		L 169" x W 151" x H 100"
Weight of basic machine			8700kg (19100lb)

The specifications are subject to the contract, as well as new technology and industrial advancements available.



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