



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.

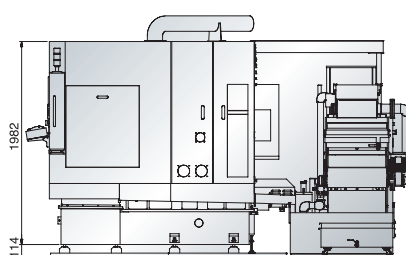
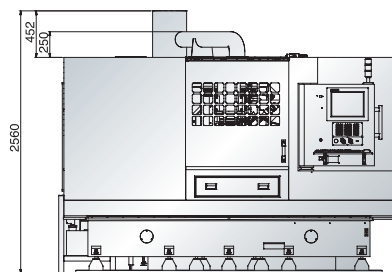
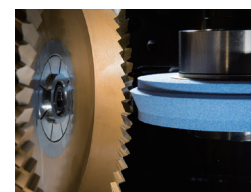
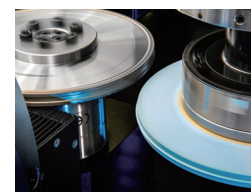
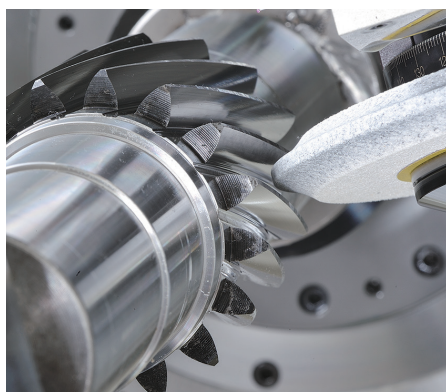
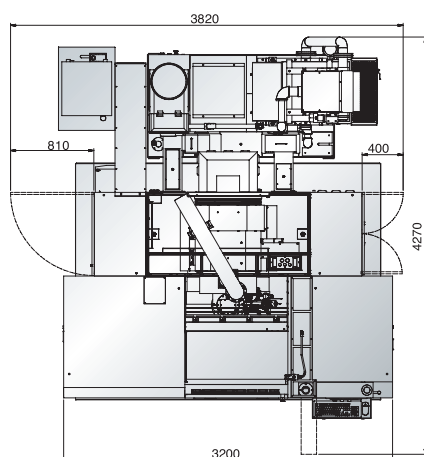


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CNC Gear Profile Grinding Machine

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).	
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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