



Precision par Excellence.
Smart to Future.

NEW

GVP-8040⁺

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 machines. With the integrated strength from HIWIN group, we are proud to introduce the Matrix **GVP-8040⁺**: CNC Vertical Type Gear Profile Grinding Machine. **GVP-8040⁺** applies the FANUC controller and high speed grinding spindle; through the Matrix developed intelligent conversations window software, it can flexibly output the required tooth profile and grinding parameters.

The machining workpieces include involute gear, large-module hobs and cycloidal gears; the high-efficiency and high precision expressed from the products are equivalent to worldwide-top brand's ones; **GVP-8040⁺** is your best choice.



GVP-8040⁺

CNC Gear Profile Grinding Machine

Gear	
Max. workpiece outside diameter	800mm
Tooth range	9~999
Min. workpiece root diameter	50mm
Module	M2.0~M25
Max. tooth depth	45mm
Helix angle range	±45°

Hob cutter	
Min. root diameter/Max. workpiece outside diameter	50mm~350mm
Max. flute depth	50mm
Flute range	1~99
Flute helix angel range	±40°

MECHANICAL SPECIFICATIONS	
Max. grinding slide travel (Y axis)	400(450)mm
Max. workpiece slide travel (Z axis)	500mm
Tailstock center height above rotary table	480mm~1180mm
Table diameter	740mm
Max. table load (workpiece with fixture)	2500 kg

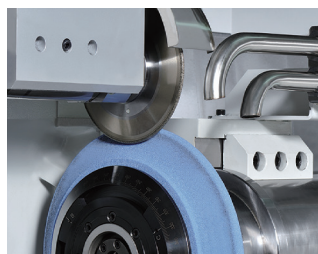
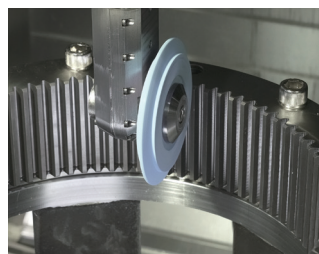
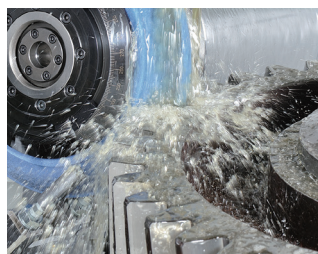
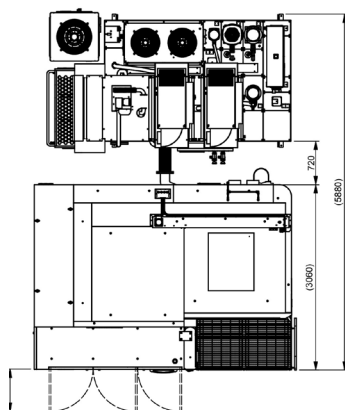
GRINDING WHEEL SPECIFICATIONS	
Min. dressable diameter of the grinding wheel	220mm / 405mm
Max. grinding wheel diameter	
Max. grinding wheel thickness	80mm
Max. grinding spindle speed	6000 rpm
Drive power of grinding spindle	29.5kW

ELECTRIC SYSTEM	
Voltage	3Ø 220V
Current Requirement	80 Amp
Ambient Temperature	20°C ~ 26°C
Max. Load of Machine	35 kVA

CNC CONTROLLER	
	FANUC

DIMENSION & WEIGHT	
Space Requirement	L 4800 x W 5775 x H 3650mm

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



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