



Precision par Excellence.
Smart to Future.

ZHS-3040

CNC Hob Sharpening 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 **ZHS-3040** CNC Hob Sharpening Machine.

ZHS-3040 combines FANUC controller and PC, it applies linear motors and direct drive motors, developing out the six-axis-control and four-axis-move high-precision grinder. **ZHS-3040** can sharpen the blade of straight and helical hobs, it can also sharpen shaper cutters and Power Skiving cutters by options. Self-developed intelligent conversation window software is easy for operation.

It meets the brilliant high-precision and high-efficiency performance.
One machine with multi- purpose, **ZHS-3040** is your best choice.

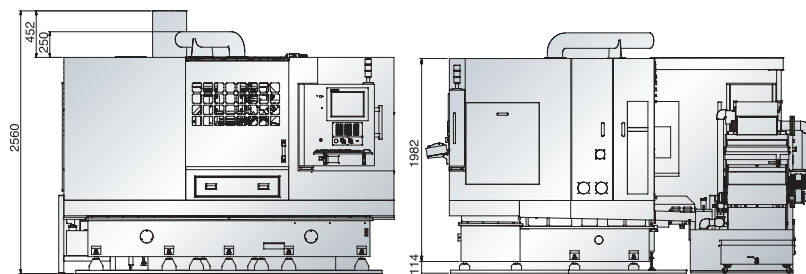
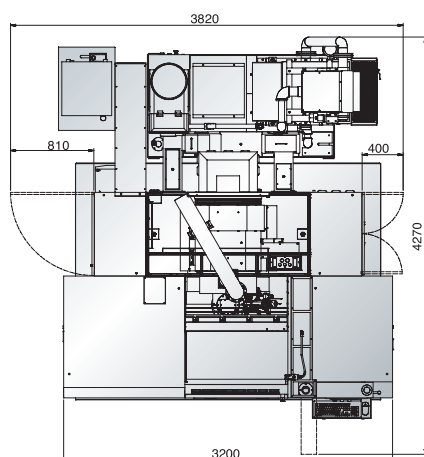


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CNC Hob Sharpening Machine

MAIN SPECIFICATIONS		ZHS-3040
Min./Max. workpiece outside diameter	20mm / 230mm	0.8" / 9"
Max. length	300mm	11.8"
Max. grinding depth	35mm	1.3"
Flute range	1 ~ 99	
Lead angle range	±40°	
MECHANICAL SPECIFICATIONS		
Min. / Max. distance between centers	90mm / 550mm	3.5" / 21.6"
Max. axial slide travel (Z axis)	650mm	25.5"
Max. table load (Workpiece with carrier)	50kg	110lb
GRINDING WHEEL SPECIFICATIONS		
Min. abrasive grinding wheel root diameter/	30mm / 125mm	1.1" / 4.9"
Max. grinding wheel diameter		
Max. grinding wheel thickness	25mm	0.9"
Max. rpm of grinding spindle	10000 rpm	
Drive power of grinding spindle	15kW	20Hp
ELECTRIC SYSTEM		
Voltage	3Ø 220V	
Current Requirement	50 Amp	
Ambient Temperature	20°C ~ 26°C	68°F ~ 79°F
Max. Load of Machine	20 kVA	
CNC CONTROLLER		FANUC
DIMENSION & 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 H100"
Weight of Basic Machine	8500 kg	18700 lb

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



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