

# M673

## CNC GEAR SHAPING MACHINE

Combining advanced technology, precision components, and automation to enable profitable production of high-quality internal and external gears.

- **High-speed CNC shaping:**
  - 2000 strokes per minute
  - Up to seven CNC axes
  - Flexible automation system with options
- **Flexible workpiece clamping system**
- **Effective tailstock with optimized clearance**
- **Versatile shaper cutters:**
  - Disc type
  - Bell type
  - Shank type
- **Flexible automation systems:**
  - Linear loader
  - Robotic loader
  - Various magazine systems

**20 DP**

Max Pitch Rating

**3.15 in**

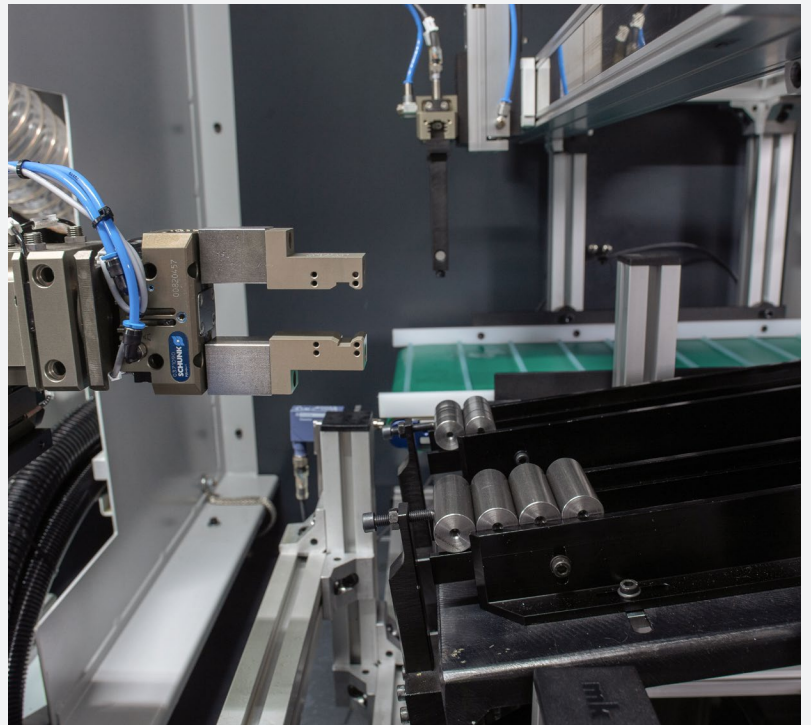
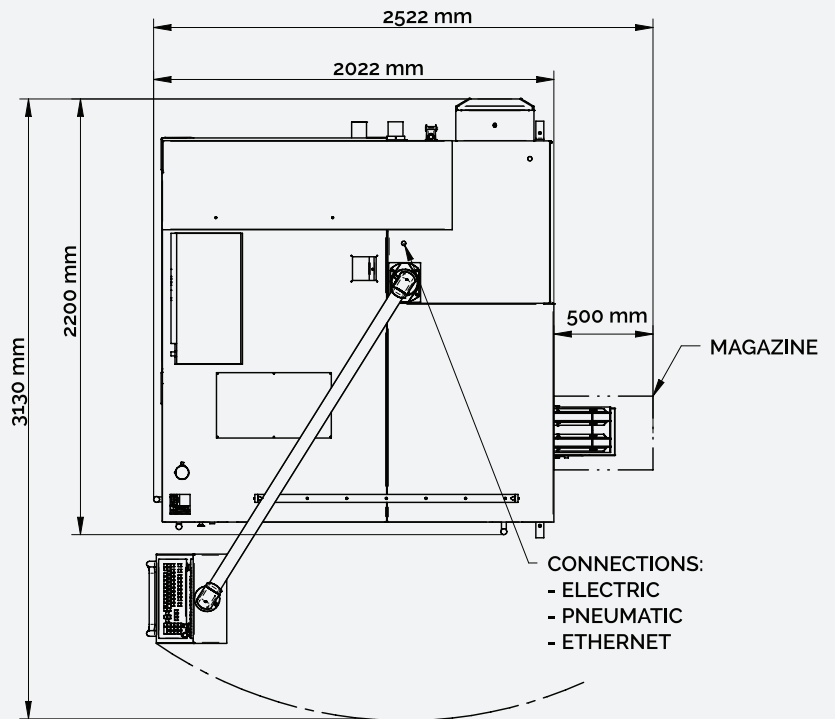
Max Gear Diameter

**7**

CNC Axes



<b>WORKPIECE</b>		<b>M673</b> metric/imperial	
Maximum pitch rating	1.25 m <sub>n</sub>	20 DP	
Maximum workpiece diameter	80 mm	3.15 in	
Minimum workpiece diameter (internal/external)	12 mm/5 mm	0.47 in/0.19 in	
Maximum workpiece length (internal / external)	80 mm/120 mm	3.15 in/4.72 in	
Maximum shaping length	27 mm	1.06 in	
<b>KINEMATICS</b>			
Stroke length (A-axis, min/max)	10 mm/30 mm	0.39 in/ 1.18 in	
Taper (B-axis)	+/- 5°		
Tailstock travel (W-axis)	195 mm	7.67 in	
Tailstock position (W-axis, min/max)	57-252 mm	2.24-9.92 in	
Radial travel (X-axis)	220 mm	8.61 in	
Radial position (X-axis, min/max)	-44 mm/176 mm	-1.73 in/6.93 in	
Axial slide travel (Z-axis)	195 mm	7.67 in	
Stroke (saddle) position (Z-axis, min/max)	51-246 mm	2.01-9.69 in	
Cutter spindle stroke speed	2000 double strokes/min		
Maximum cutter diameter	100 mm	3.94 in	
Maximum work spindle speed	300 rpm		
<b>MACHINE</b>			
Length	2,400 mm	95 in	
Width	3,100 mm	122 in	
Height	3,000 mm	118 in	
Weight	9,000 kg	19,842 lb	



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