

# KFS 100

## CNC GEAR TOOL SHARPENING MACHINE

Equipped for heavy-duty sharpening of high-speed steel (HSS) and carbide tools of both bore- and shank-type including straight- and helical-gash hobs, milling cutters, and shaper cutters.

- **Heavy-duty sharpening of high-speed steel (HSS) and carbide tools:**
  - Capabilities include bore- and shank-type tools, straight- and helical-gash hobs, milling cutters, and shaper cutters.
  - Designed for use of vitrified, CBN or diamond abrasive (resin-bonded or plated).
  - Optional spur and helical shaper cutter sharpening (KFS 100-SS) and helical- and spiral-gash hob sharpening (KFS 100-S).
- **Capabilities to meet AGMA AAA specifications.**
- **Coolant filtration system integrated into the machine bed to provide a 40% smaller footprint.**
- **Precision, repeatability, and control with pre-loaded linear guideways.**
- **Ergonomic and intuitive considerations for operator accessibility:**
  - Easy-to-use software with conversational programming and storage of cutter data.
  - 4-axis FANUC® CNC for assisted setup while maximizing accuracy and repeatability.
  - Compact FANUC® CNC panel with touch-screen color display that stows into machine for safety and footprint optimization.
  - Pneumatic tailstock provides positive clamping pressure while grinding.
  - Accessible machine spindles for easy setup.
  - Maintenance ease with single-piece design for access to all machine systems.

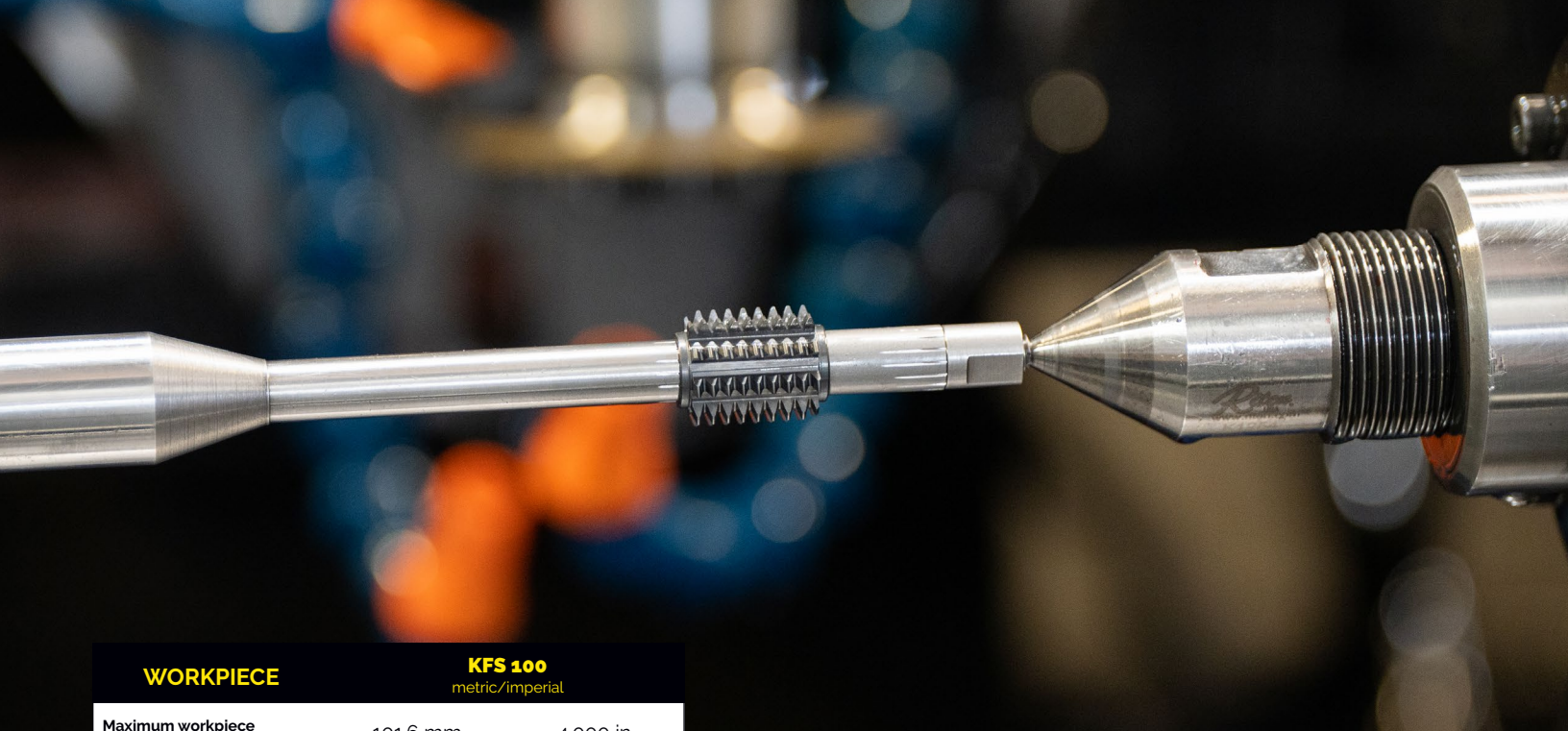


**4.000"**  
Max Diameter Rating

**6.000"**  
Max Length Rating

**AAA**  
AGMA Quality

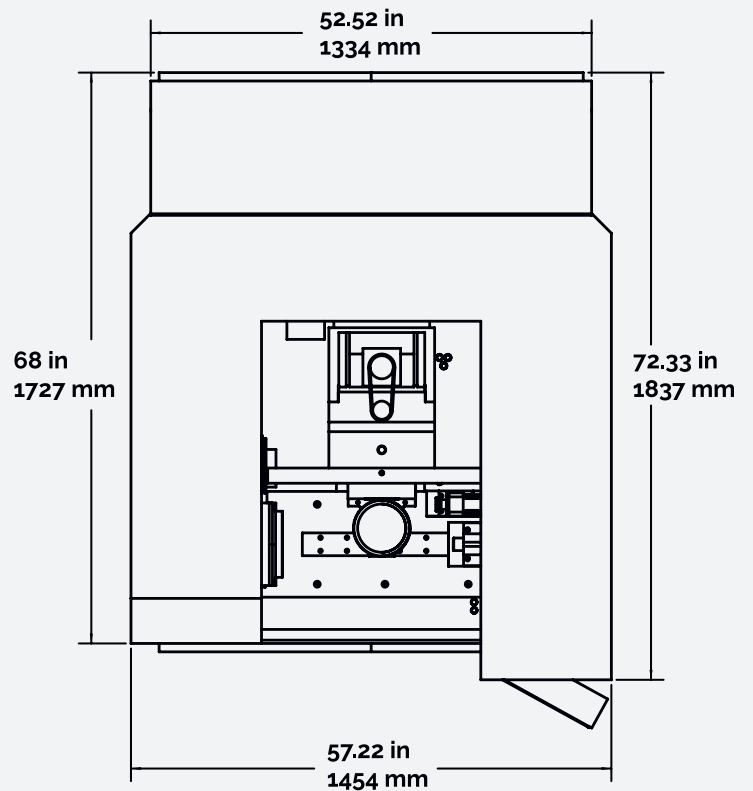




**WORKPIECE**

**KFS 100**  
metric/imperial

Maximum workpiece diameter rating	101.6 mm	4.000 in
Maximum workpiece length rating	152.4 mm	6.000 in
Maximum grinding wheel diameter	101.6 mm	4.000 in
Minimum grinding wheel diameter	50.8 mm	2.000 in
Maximum grinding travel	320.0 mm	12.598 in
Maximum radial travel	150.0 mm	5.906 in
Maximum center distance - work to grinding spindle	200.0 mm	7.874 in
Minimum center distance - work to grinding spindle	50.0 mm	1.969 in
Maximum tangential travel	100.0 mm	3.937 in
Number of gashes	1-99	
Maximum grinding speed	12,000 rpm	



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