



**HELIOS**  
GEAR PRODUCTS

heliosgearproducts.com

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# Helios KFS 250

## CNC Gear Tool Sharpening Machine

**10.000"**

MAX DIAMETER  
RATING

**12.000"**

MAX LENGTH  
RATING

**AAA**

AGMA  
QUALITY

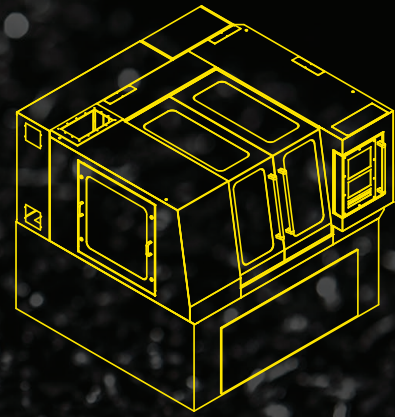
Equipped for heavy-duty sharpening of high-speed steel (HSS) and carbide tools of both bore- and shank-type including straight- and helical-gash hobs, milling cutters, shaper cutters, and many others.



- Equipped for 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 250-SS) and helical- and spiral-gash hob sharpening (KFS 250-S)
- Centrifuge filtration system provides clarity level of 2 to 5 microns
  - Integrated into the machine bed for footprint optimization and shop floor cleanliness
- Precision, repeatability, and control with pre-loaded linear guideways
- Capabilities to meet AGMA AAA specifications
- Ergonomic and intuitive considerations for operator accessibility
  - Easy-to-use software with conversational programming and storage of cutter data
  - 5-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
  - Integrated crane for assisted loading and unloading of larger hobs
  - Pneumatic tailstock provides positive clamping pressure while grinding
  - Accessible machine spindles for easy setup

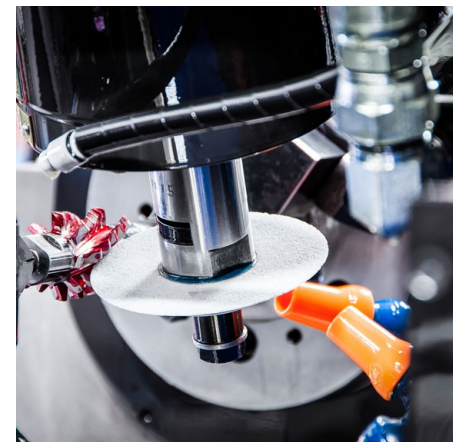
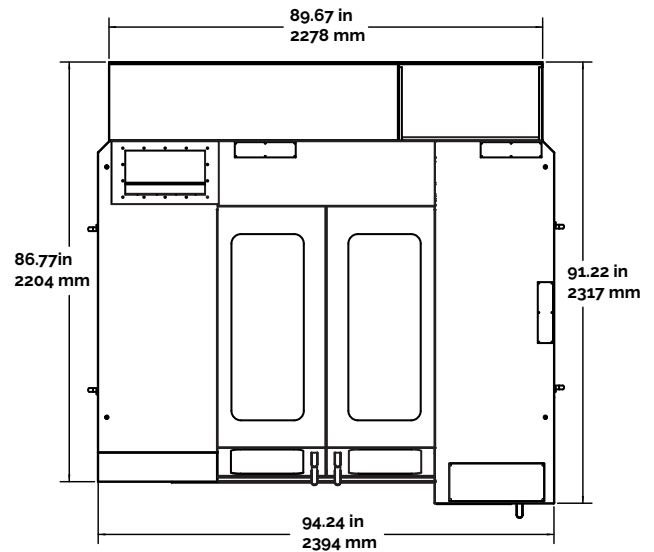
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### SPECIFICATIONS

Maximum workpiece diameter rating	254.0 mm	10.000 in
Maximum work swing diameter	305.0 mm	12.000 in
Maximum workpiece length rating	305.0 mm	12.000 in
Maximum grinding wheel diameter	254 mm	10.000 in
Minimum grinding wheel diameter	50.8 mm	2.000 in
Maximum radial travel	280.0 mm	11.024 in
Maximum tangential travel	200.0 mm	7.874 in
Maximum center distance - work to grinding spindle	305.0 mm	12.000 in
Minimum center distance - work to grinding spindle	25.0 mm	0.984 in
Maximum distance work spindle to tailstock	635 mm	25.000 in
Number of gashes	1-99	
Maximum Spindle Speed	12,000 rpm	



### CONTACT US

[heliosgearproducts.com](http://heliosgearproducts.com)

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