



# PRECISION METALS

## **ES Precision Metals Highlights Centerless Grinding Capabilities for Manufacturing Industry**

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ES Precision Metals, a leading supplier of precision ground bar products based in Bedford Park, Illinois, emphasizes the critical role of its centerless grinding service in meeting the evolving demands of manufacturers, OEMs, and machine shops across the Midwest. As industries continue to require increasingly precise components, the company's specialized grinding capabilities deliver tolerances of plus or minus .0001 inches, addressing the need for exceptional accuracy in modern manufacturing applications.

The centerless grinding process removes material from the outside diameter of workpieces without requiring centers to hold them in place, enabling efficient high-volume production while maintaining consistent quality. This method proves particularly valuable for producing shafts, rods, and bars with precise diameters and superior surface finishes that meet stringent industry standards.

"Manufacturing tolerances continue to tighten across all industries, from automotive to aerospace," said Sal Sharif, President of ES Precision Metals. "Our centerless grinding capabilities allow us to deliver components that meet these exacting specifications while maintaining the production efficiency our customers require. The ability to achieve such precise tolerances consistently sets the foundation for our clients' manufacturing

success."

The company's grinding services accommodate a comprehensive range of materials, including stainless steel, alloy steel, carbon steel, aluminum, copper, brass, bronze, nickel alloys, plastics, and tool steel. This versatility enables ES Precision Metals to serve diverse industrial sectors with varying material requirements and specifications.

Beyond centerless grinding, the company provides complementary services including bar chamfering, bar straightening, saw cutting, precision grinding, and polishing. This comprehensive service offering allows manufacturers to consolidate their precision metal processing needs with a single supplier, streamlining their supply chains and reducing lead times.

The ISO 9001 registration held by ES Precision Metals demonstrates the company's adherence to international quality management standards. This certification provides customers with assurance that their precision ground components will meet specifications consistently across production runs.

For manufacturers seeking directions on achieving tighter tolerances or improving their component specifications, the company's technical expertise spans over two decades of industry experience. This knowledge base enables the company to provide guidance on material selection, tolerance capabilities, and process optimization for specific applications.

The demand for precision ground components continues to grow as manufacturing technologies advance and product designs become more sophisticated. Industries ranging from medical device manufacturing to industrial automation rely on components with exact specifications to ensure proper fit, function, and performance in their final products.

ES Precision Metals operates from its facility in Bedford Park, Illinois, serving customers throughout the Midwest and beyond. The company specializes in turned, ground, and polished steel and stainless steel bars, providing customized solutions for tight tolerance requirements. With a focus on quality, fast turnaround times, and personalized service, the company has established itself as a trusted partner for precision metal needs in the manufacturing sector.

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For more information about ES Precision Metals, contact the company here: ES Precision Metals Sal Sharif (708) 395-8500 sales@esprecisionmetals.com 6530 S Laramie Ave, Bedford Park, IL 60638

## ES Precision Metals

*Welcome to ES Precision Metals, your trusted partner in the world of precision metal manufacturing. With over 25 years of experience in the industry, we are committed to delivering the highest quality products and services to our valued customers.*

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