ES Precision Metals Expands Centerless Grinding Services to Meet Growing Manufacturing Demand

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ES Precision Metals, a leading supplier of precision ground bar products based in Bedford Park, Illinois, announces the expansion of its precision manufacturing services to address increasing demand from manufacturers, OEMs, and machine shops across the Midwest. The company has enhanced its centerless grinding operations and broadened its material processing capabilities to serve industries requiring tight tolerance specifications.

The expansion comes as manufacturers face mounting pressure to achieve higher precision standards while maintaining cost-effective production schedules. ES Precision Metals now offers centerless grinding services capable of handling diameters from 0.050 inches to 5 inches with tolerances as precise as +/- 0.0001 inches, positioning the company to meet the most demanding specifications in the industry.

"Manufacturing requirements have become increasingly complex, and our expanded capabilities allow us to deliver precision ground bar products that meet exact specifications across a broader range of materials," said Sal Sharif, President of ES Precision Metals. "Our investment in advanced centerless grinding technology and quality control processes ensures that manufacturers receive components that integrate

seamlessly into their production lines."

The company processes an extensive range of materials including alloy steel, aluminum, carbon steel, copper, brass, bronze, nickel alloy, plastics, stainless steel, and tool steel. Each material undergoes rigorous quality control procedures, with the company's dedicated QA team and in-house metallurgist ensuring adherence to ASTM and AMS/MIL specifications through comprehensive laboratory testing.

Beyond centerless grinding, the company provides complementary services including bar chamfering, bar straightening, precision grinding, polishing, saw cutting, and specialized packaging. The Medart straightening service handles diameters from 0.100 to 1.125 inches with precision to 0.003 inches TIR/FT, while the chamfering service accommodates similar diameter ranges on one or both ends of the bar.

The expansion reflects broader trends in precision manufacturing, where component accuracy directly impacts production efficiency and final product quality. Industries ranging from aerospace to medical device manufacturing require ground bar products that maintain consistent dimensional accuracy throughout their length, a specification that ES Precision Metals addresses through its enhanced processing capabilities.

The company maintains ISO 9001 registration, demonstrating its commitment to international quality management standards. This certification, combined with over 20 years of industry experience, positions ES Precision Metals as a trusted partner for precision metal requirements throughout the region.

ES Precision Metals specializes in turned, ground, and polished steel and stainless steel bars, providing high-quality shafting and metal bar solutions tailored to tight tolerance requirements. The company serves manufacturers, OEMs, and machine shops across the Midwest and beyond, offering fast turnaround times and personalized service from its Bedford Park facility.

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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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