

Precision Production Systems

Centerless Grinding

At Raymac Grinding, we specialize in high-precision centerless grinding, delivering smooth, consistent finishes on cylindrical parts—without the need for centers or chucks. Our advanced setup supports the workpiece between a grinding wheel, regulating wheel, and work rest blade, allowing for continuous, high-speed production with tight dimensional control. This method not only ensures exceptional roundness and straightness but also allows for efficient handling of a wide range of part sizes and materials. Ideal for metal components, shafts, pins, and other cylindrical parts.

Consistent Results, Every Time

Whether you're producing small prototype batches or managing high-volume production runs, Raymac's centerless grinding delivers unmatched consistency, speed, and repeatability. Our team leverages decades of grinding experience and state-of-the-art equipment to ensure your components meet the most demanding specifications. From aerospace and medical to automotive and industrial applications, our services are trusted for their superior surface finish, precise diameter control, and cost-effective turnaround. We are committed to helping you maintain the quality and performance your customers rely on—every single part, every single time.



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RAYMAC GRINDING
SINCE 1960

Surface Accuracy



Surface Grinding

At Raymac Grinding, we specialize in delivering ultra-flat, ultra-smooth surface finishes with exceptional accuracy. Using advanced surface grinding equipment and the skill of highly experienced operators, we routinely achieve tight tolerances that meet or exceed industry standards. Whether you're working with hardened tool steels, precision mold components, or high-performance industrial parts, our surface grinding process ensures precise flatness and consistent surface quality across every piece.



Efficient Turnarounds

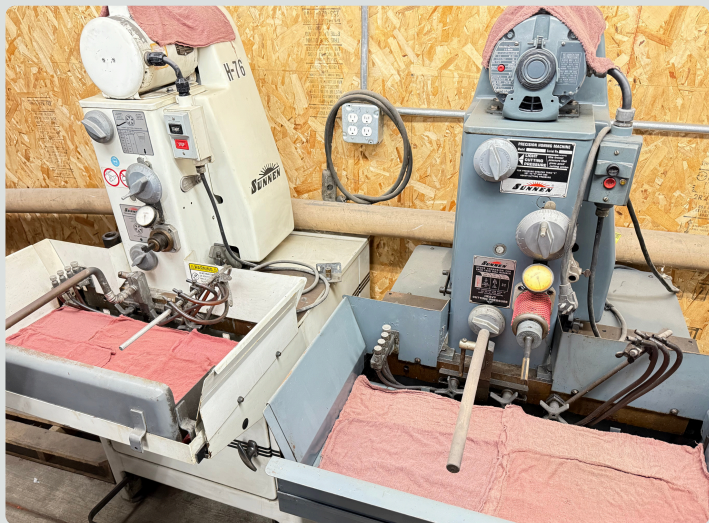
From one-off tooling projects to large-scale production runs, Raymac Grinding offers efficient, dependable service tailored to your needs. Our surface grinding capabilities are ideal for applications requiring superior finish and dimensional control—such as tooling, dies, and complex mold components. With a focus on precision, consistency, and quick delivery, we help our clients reduce lead times while maintaining the highest levels of quality and reliability.

A Meticulous Process



Precision Thread Rolling

Precision thread rolling creates high-strength, wear-resistant threads that outperform cut threads in both durability and surface finish. This cold-forming process enhances the material's grain structure, resulting in superior fatigue resistance and longer service life—making it ideal for critical applications in aerospace, automotive, and heavy industrial parts. At Raymac Grinding, our expert operators and advanced equipment ensure consistent, top-quality threads that meet exacting specifications, helping you achieve reliable performance and extended part longevity every time.



Honing Services

Precision thread rolling creates high-strength, wear-resistant threads that outperform cut threads in both durability and surface finish. This cold-forming process enhances the material's grain structure, resulting in superior fatigue resistance and longer service life—making it ideal for critical applications in aerospace, automotive, and heavy industrial parts. At Raymac Grinding, our expert operators and advanced equipment ensure consistent, top-quality threads that meet exacting specifications, helping you achieve reliable performance and extended part longevity every time.

Streamlined Collaboration



Manufacturing Edge

With over 10,000 sq. ft. of manufacturing space and more than 75 precision machines from industry leaders like Cincinnati, Blanchard, Waterbury Farrel, and Landis, Raymac Grinding delivers unmatched capabilities across a wide range of grinding services. Our extensive equipment portfolio enables us to handle complex, high-volume production runs as well as specialized, tight-tolerance projects with equal expertise. We are proud to be one of the most trusted and well-equipped production grinding shops in the country.



Quality Control

At Raymac Grinding, we utilize cutting-edge precision instruments from trusted brands like Pratt & Whitney, Mitutoyo, Deltronic, and Etelon to verify that every part adheres to the strictest specifications. Our combination of advanced measurement technology and experienced professionals ensures flawless accuracy—from critical dimensions to surface finishes.

