



# World Class Precision Machining

## Super alloys, Inconel, Titanium, Stainless, Aircraft Steel alloys



When you're looking for a **high-quality, high-volume, cost-competitive parts** manufacturer capable of quick turns and uncompromising quality, MD Engineering is ready to be of service.



MD Engineering has decades of demonstrated performance in the precision manufacturing of complex geometry parts for the **Aerospace and Defense industries**. The demanding requirements of parts for leading platforms for space and defense necessitate precise tolerance, best-in-class, lean-cell manufacturing. It is this expertise, and our highly skilled technicians and staff, that have made MD Engineering the go-to supplier for Inconel, Titanium and other difficult parts that other companies simply cannot provide. Our quality and high-volume production capacity assure our valued customers that their critical parts are delivered on-time, to exacting tolerances.



### Materials

MD Engineering machines **the latest exotics and super alloys**, including Inconel and Tungsten. Working with some of the most challenging materials is our specialty. A full list of the materials with which we have demonstrated expertise is on our website – [www.mde-us.com](http://www.mde-us.com), including photos of some of the demanding parts we have produced.



### Equipment

Our depth includes investing in the **best machining technologies** such as 9-axis robotics, 3-, 4- and 5-axis machining centers and automated pallet changers to allow for 24/7 "lights out" machining to meet demanding production timeframes. Similarly, our turning capabilities include lathes equipped with bar feeders, allowing for fully automatic operation. To manufacture parts with high accuracy and quick rapids, our milling centers are equipped with machines using automatic multi-tool turrets, programmable indexers, and a large selection of support tooling. Some of these machines have rapids of up to 1,400 inches per minute.



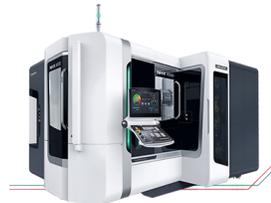
We invite you to visit our facility online at [www.mde-us.com](http://www.mde-us.com) to see our complete equipment list, our quality control capabilities, and some of the many parts we manufacture for the leading global aerospace and defense companies.

### More than a high-performance machine shop

We perform many additional in-house processes to support the manufacture of your parts. This includes Helicoil installation, Lee Plug installation, Keensert installation, honing, vacuum testing and micro-deburring. Our deburring specialists have access to advanced electro-chemical, magnetic, and tumble deburring equipment, as well as a multitude of detailed hand tools.

### Quality

As you would expect, MD Engineering's quality management system is fully certified to AS9100D and ISO 9001:2015. In addition, we hold our own suppliers to the highest standards, ensuring our reputation as a high quality, complete supply chain provider. We have an enviable 99.86% quality record, with 100% on-time delivery.



### Our Value Proposition

- MDE is a problem solver, providing effective solutions for tough part problems
- We are responsive, providing quick turnaround, to meet or beat customer requirements and expectations with regard to cost, quality and delivery
- Fully capable to machine all Aerospace Alloys; specialists in hard metals like Inconel and Titanium
- Experts in achieving complex geometries and sophisticated product designs
- Providing concurrent engineering to help design for manufacturability
- Utilizing Lean manufacturing methodologies and techniques for continuous improvement
- State of the art equipment including robotics and "Lights Out" manufacturing
- The cellular manufacturing that we employ enables efficient production of low volume / high mix of aerospace and defense parts
- Our expertise includes an extraordinary range of machining and assembly capabilities at industry competitive pricing

Located approximately 35 miles east of Los Angeles, 52 miles east of Los Angeles International Airport and 19 miles south of Ontario International Airport, MD Engineering is a privately held company, proudly serving the world's leading aerospace and defense companies since 1999. We employ a highly skilled workforce of over 45 employees and house 33 CNC machines in our facilities of 20,000 square feet.



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