

A18178 ISO13485

SOLID MACHINING, INC



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Welcome



Solid Machining is very pleased to be a possible vendor and look forward to partnering in an effort to deliver high precision quality parts.

We have all the disciplines necessary to machine your parts including mill, lathe, coupled with a sophisticated production management system and superior quality control processes to ensure delivery of high precision quality parts. We can manufacture your machining needs from early concept, to prototype to production without compromising time or quality. We anticipate this capability presentation will give you a good indication of our abilities

Respectively Solid Machining is highly confident we can manufacture and deliver in a timeline that matches your needs, deliver high precision parts and provide an on-going partnership you'll be satisfied with.

Thank you for this opportunity.

Best,
Jodi Birrell – Owner
Igor Korovskiy – Owner

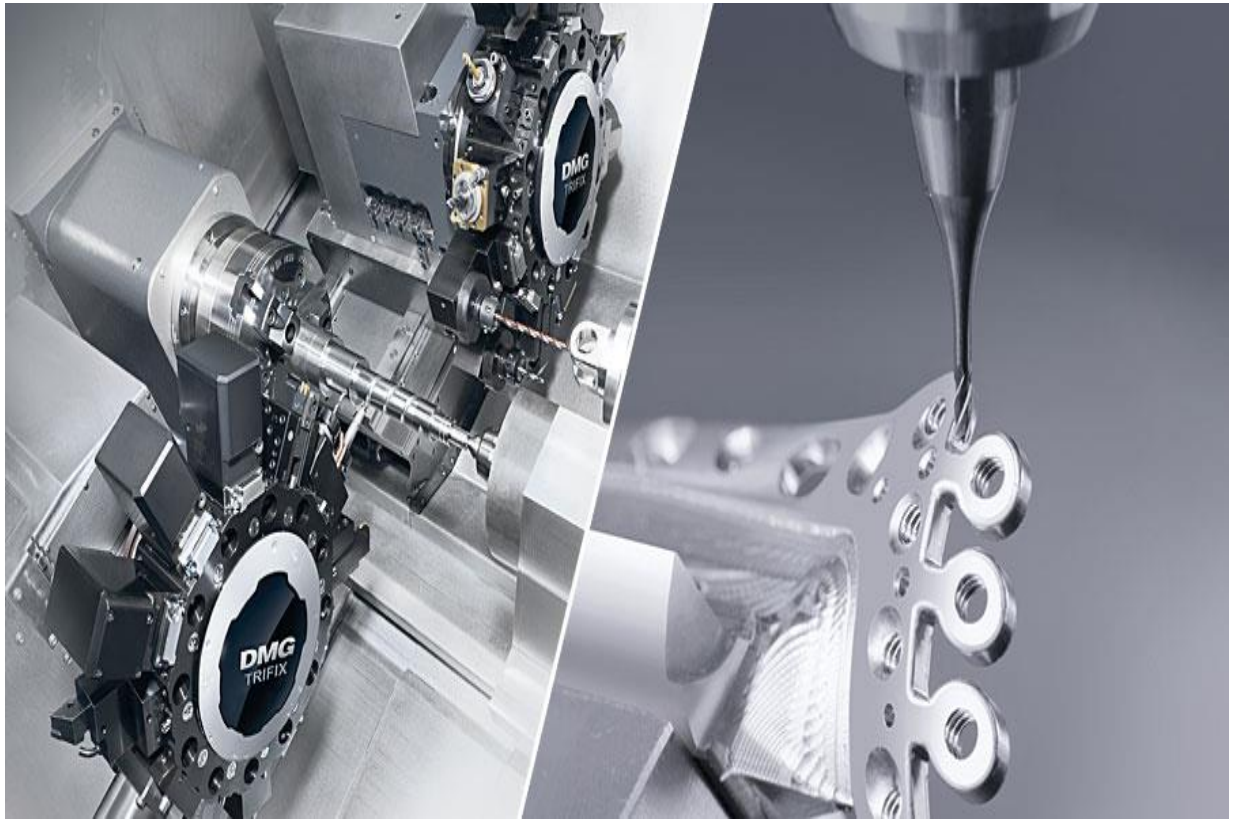


Who is Solid Machining?

The owners formed Solid Machining early 2012 with the goal of creating a shop with one mission; deliver what we say, when we say it. We pride ourselves in our craftsmanship and aim to provide unparalleled customer service, no exceptions

Here at Solid, we have a strong commitment to quality to our customers. We are ISO 13485 qualified. Achieving this certification assures our customers we are committed in providing quality service and parts and employ rigorous systems, processes and procedures to ensure our craftsmanship is held to the highest standards.

Solid specializes in CNC Machining of close tolerance components, within .0002" accuracy for medical device & instrumentation, industrial, automotive, semiconductor and consumer electronics industries. Our machine shop capabilities include 3D to multi-axis, milling and turning, manual centers, QA department and shop management system software.



Machining Capabilities

Machining and Production Management

✓**Design/Manufacturing Software**
We use cutting edge CAD/CAM software to make your idea a reality. From 3D design to finished part.

✓**Multi-axis C.N.C. Milling Centers**
We have CNC mills to handle all your jobs from the simplest to the most complex.

✓**C.N.C Turning Centers**
With live tooling c-axis lathes our CNC Lathe department here at Solid Machining is ready to tackle any of your turning needs.

✓**Manual Job-Shop**
Our manual job-shop department is outfitted to handle any need, from repair to one off prototypes.

✓**Inspection/ISO 13485 Certified**
Inspection department has the necessary inspection equipment, including sophisticated CMM dimensional measurement system. We employ a vigorous Quality Assurance methodologies to insure that we attain part quality to our customer standards.

✓**Shop Management System**
Here at Solid Machining we've implemented a robust shop management system that manages the complete manufacturing process from front-end to back-end.

Machining Tools

- **CNC Milling – (5**) CNC Machining Centers vertical types.
  - Haas VF-2 (work envelope: X axis 30”, Y axis 16”, Z axis 18”).
  - Hass VF-2 (Work envelope: X axis 30”, Y axis, 16”, Z axis 18”)
  - Hass VM-3 (Work envelope: X axis 40”, Y axis, 20”, Z axis 24”)
  - 2x Hass SuperMini Mill (Work envelope: X axis 16”, Y axis, 12”, Z axis 10”)
  - We offer multi-axis capabilities, high speed and rigid tapping.
- **CNC Turning – (6)** CNC Turning Centers.
  - 3x Centers are Nakamura Tome-15 (8” maximum diameter).
    - *All 3 centers are capable of automatic bar feeders to maximize productivity.*
  - *Doosan Puma GT2100 (Work envelope: 14” Diameter, 22.12” Turning Length)*
  - *Doosan Puma 10 (Work envelope: 14” Diameter, 22.12” Turning Length)*
  - *Doosan Lynx 220LSYA (Work envelope: 11.8” Diameter, 20.0” Turning Length)*
- **Manual Lathe and Milling** – All manual equipment is fitted with digital readouts.
  - Clausing with DRO
  - 2x Bridgeport with DRO
  - 2x Hardinge
- **Inspection Equipment:**
  - Brown & Sharp CMM dimensional measurement capabilities
  - Mitutoyo Gage Block set
  - .001 - .750 Meyer Class ZZ gage pin set
  - Micrometers (0-4” range)
  - Digital Bore Micrometers (.275 to 2” range)
  - Vision Mantis Microscope
- **Statistical Tools**
  - SPC (run chars)
  - Pareto Analysis
  - Cpk Analysis
  - Process validation
- **Shop Management System, E2**: is utilized in all facets of the business. All customer orders are assigned internal job numbers during manufacturing. Individualized job packets are developed for each job to insure all customer requirements are achieved. Jobs and materials are tracked, monitored and managed by each unique job number


supermodelli


SOFIEBIOSCIENCES


RTI


ROBODOC
Curexo Technology Corporation


Promega


LATHROP


TESLA


TRIPLE RING
technologies


THE UNIVERSITY OF CALIFORNIA
LET THERE BE LIGHT
UCLA

Thank You!