

# Custom Machining Service, Inc.

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Laguna Hills, CA 92653

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## Line Card

### **PRECISION MACHINING**

#### **INDUSTRIES**

- Medical Device
- Electronics
- Laser / Optics
- Aerospace
- Electronics
- Commercial / Industrial • Transportation

### **MANUFACTURING**

- Manufacturing Engineering
- ERP software
- Documentation Management
- Kanban, Dock to Stock, JIT
- CAD/CAM 3D Programming (Mastercam, SolidWorks)

### **MATERIALS**

- Aluminum - 6061, 5052, 3003, 2024, M1, MIC6, K100, 7075, A356
- Stainless Steel - 303, 304, 316, 416, 17-4
- Plastics - ABS, Acetal, Acrylic, Delrin, Lexan, Nylon, Polycarbonate, Polyetherimide, PTFE, Ultem
- Alloy Steel - 4130, 4140
- Carbon Steel - 1018, A36, Tool Steel 12L14
- Brass and Bronze Alloys

## **COSMETIC FINISHING**

### **Deburring**

- Vibratory Deburring Tumbler
- Specialized Hand Deburring

### **Cosmetic Finishing (Outside Processing Partners)**

- Anodize
- Silk Screening
- Chem Film
- Powder Coating
- Passivation
- Laser Marking
- Chemical Descaling
- Bead Blast
- Zinc Oxide
- Lapping Assembly
- Kitting
- Sub Assembly
- Hardware & Inserts Press Fitting

## Equipment

### The Power of Machines and so much more...

*CMS operates a 15,000sf manufacturing facility in Laguna Hills, California. Production and prototype parts are machined on a variety of CNC mills and lathes.*

6-Haas 3 Axis CNC Mills – All w/4th Axis Rotary Table	1-Doosan LYNX 2100LSYA-Duel Spindle, Live Tooling Bar Feed
4-Fadal 3 Axis CNC Mills – All w/4th Axis Rotary table	2 Yama-Seiki GS 2800 29” Dia.x24” Length Bar Feeder 2.5” Bar Capacity
8-Haas 3 Axis CNC Mills –	1 Yama-Seiki TS-150 12” Dia.X9.25” Length Bar Feeder 2.16” Dia. bar capacity
1-Brother CNC Mills-R450X2	1-Haas Lathe
2-Vibratory Deburring Tumblers	1-Hardinge Lathe
1-Kalamazoo Horizontal Automatic Chop Saw	1-Okuma Lathe
1-Horizontal Band Saw	4-Bridgeport Manual Mills
1-Vertical Band Saw	1-Osamu Manual Lathe
1-Ender5 Plus 3D Printer	1-Surface Grinder
	1-Tykma Zetalase XL 20 Watt Fiber Laser ZD-80 Rotary Axis w/3 Jaw Chuck
Total CNC Mills: 19	Total CNC Lathes: 7

# Quality

*CMS is committed to producing the highest quality using the latest state-of-the-art equipment and manufacturing methods. Emphasis is placed on first article and in process inspection to ensure the highest level of acceptance. Through our continual optimization you will experience reduced risk.*

*Our goal is to exceed each clients' expectations and are proud of our long history of success and increasing list of satisfied customers.*

*AFAB cultivates a culture based on continuous improvement of our Quality Management, Technology and Employee Proficiency. We maintain high standards and guarantee consistent product conformance.*

## QUALITY EQUIPMENT

Brown & Sharpe-Mistral 07-07-05 CMM PC-DMIS software	Mahr Federal Pocket Surface Roughness System (Profilometer)
Mitutoyo QM-Data 100 Digital Height Gauge	Calipers
Nikon V-12 Optical Comparator	Micrometers
Granite Surface Plates	Go and No-Go Gauges
Test Indicators and Drop Gauges	12-28" Dial and Electronic Height Gauges
Sine Bars	Pin and Thread Gauges
Machine Probes	Calibration maintenance

## Quality Policy

Using teamwork, CMS Inc. shall meet or exceed the requirements and expectations of Interested Parties. We focus on quality products and services by maintaining and continually improving the effectiveness of our Quality Management System and ensuring our quality objectives are periodically reviewed and planned goals are achieved.

- **Meet or exceed requirements and expectations of Interested Parties**
- **Continual Improvement**
- **Teamwork**