

# SURGICAL QUALITY MACHINING

## AFAB LINE CARD

### PRECISION MACHINING

#### Robotic Machining Cell

- (1) Makino A51nx Milling Center
- (12) MMC2 Pallets
- High Pressure Coolant Thru Spindle
- 218 Tool Magazine
- Blum Laser Tool Detection
- XYZ 22" cube

#### 3 - 8 Axis Turning w/integrated Milling

- (5) CNC Turning Centers
- (3) Mazak, (2) Ganesh Lathes
- Multi Spindle, Live Tooling, Bar Feed up to 12'
- 11.81 x 22.63 x 20.67 (Max Dia x Lgth x Swing)

#### 4 Axis Horizontal CNC Mills

- (1) Kitamura MyCenter HX400if
- High Pressure coolant thru spindle
- 150 Tool Magazine
- Blum Laser Tool Detection
- XYZ 24" cube

#### 3-4 Axis Vertical CNC Mills

- (2) 4 Axis Vertical Milling Centers
- (6) 3 Axis Vertical Milling Centers
- 16" x 12" x 10" XYZ up to 50" x 21" x 25" XYZ

### QUALITY

#### Certifications

- ISO 9001:2008

#### Equipment

- Brown & Sharpe Global Image 544 DCC CMM
- PC DMIS CAD based software
- Brown & Sharpe Micro Val 454 CMM
- Mitutoyo PH-A14 Horizontal Profile Projector
- Micro-Vu 500 hp Optical Comparator
- To 19.6" x 20" x 16" XYZ

### COSMETIC FINISHING

#### Deburring

- Vibratory Deburring Tumbler
- Specialized Hand Deburring

#### Cosmetic Finishing

##### (Outside Processing Partners)

- Anodize
- Chem Film
- Passivation
- Chemical Descaling
- Zinc Oxide
- Silk Screening
- Powder Coating
- Laser Marking
- Bead Blast
- Lapping

#### Assembly

- Kitting
- Sub Assembly
- Hardware & Inserts Press Fitting

### INDUSTRIES

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

### MANUFACTURING

- Manufacturing Engineering
- JobBOSS ERP software
- Documentation Management
- Kanban, Dock to Stock, JIT
- CAD/CAM 3D Programming (Surfcam, 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**



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