This Is

April 2020

GEREMARIE

ISO9001 CERTIFIED

NADCAP ACCREDITED

AS9100 CERTIFIED

GEREMARIE

Partner for Success

Single Source

Value-Driven Solutions

Quick Turnaround Quoting

Fast Track to Production

Manufacturing Excellence

Proven Quality and On-Time Delivery

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Design for Manufacturing and Assembly

- Turnkey Design for Manufacturing
- GD&T review
- Understanding Function of Part for Assembly
- Identify Cost Drivers
- Troubleshooting
- Risk Management
- Production Process Planning
- PPAP
- FMEA

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Manufacturing Excellence

- 25 years in Business brings Proven Expertise
- Manufacturing of high-precision aluminum components is what we do
- Growth and Expansion with ease - 40,000 to 200,000 square feet in 5 years
- Investing in New Technology
  - Automation optimizes utilization of labor force
  - Efficiencies lead to Cost reductions and stability in Pricing
- 20%+ Revenue Growth year over year

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Manufacturing Services

- 5 Axis High Speed Machining
- 5 Axis Multi – Tasking Machining
- CNC Vertical and Horizontal Mill Machining
- CNC Lathe / Swiss Machining
- Router Machining
- Fiber Laser Cutting and Engraving
- Brushing, Polishing, Peripheral Brushing
- Anodizing and Powder Coating
- Zeiss CMM Inspection

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FMS Machining Services

- Five Deployed Flexible Manufacturing Systems (FMS) by Fastems
- Allows for TRUE “Lights Out” Manufacturing
- Multiple Systems to Specialize in Varying Sizes

# of Machines	Machining Centers
1	Okuma Horizontals MB8000H
6	Okuma Horizontals MA600H
6	Okuma Horizontals MB4000H
2	Okuma Horizontals MB4000H
13	Okuma Verticals MA66A

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Flexible Manufacturing Systems

- 6 MB4000 Okuma Horizontal Milling Centers
- 126 Tombstones with 126 Material Bins
- 50 Hours “Lights Out” Unattended Production

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Flexible Manufacturing Systems

- 2 MB4000 Okuma Horizontal Milling Centers
- 24 Tombstones
- 50 hours “Lights Out” Unattended Production

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Flexible Manufacturing Systems

- 6 MA600 Okuma Horizontal Milling Centers
- 250 Tombstones with 300 Material Bins
- 84 hours “Lights Out” unattended production

MEDIUM PARTS

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Flexible Manufacturing Systems

- 1 MB8000 Okuma Horizontal Milling Center
- 12 Pallets
- 30 Hours “Lights Out” Unattended

LARGE PARTS

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Flexible Manufacturing Systems

- 13 MA66 Okuma Vertical Milling Centers (Installation in progress)
- 300 Pallets with 4 Integrated Inventory systems
- 2000 Centralized Shared Tooling System
- 84 Hours “Lights Out” Unattended Production

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Additional Machining Services

Qty	75+ Machining Centers – Built-in Redundancy at All levels
18	Okuma Vertical Mills – M560-V
2	Okuma Verticals – Stand Alone MA66
2	Okuma Multus Lathe Multi-Tasking U4000BB with Robotics
3	Okuma Lathe LB3000EX with Robotics
1	Okuma Lathe LU4000 with Robotics
2	Okuma Vertical Millac 853
2	Okuma 5 Axis Mill Genos
6	Tsugami Swill Mills – BO385 (4) BO205 (2)
1	Onsrud Router
1	Trumpf Fiber Laser with Stopa Storage System
15	HAAS Vertical Mills and Lathes – VF4, VF2, SL30
2	Okuma Multus/Lathe Multi-Tasking MU3000 5 Axis with Robotics
2	Okuma MU6300 5 Axis Mill

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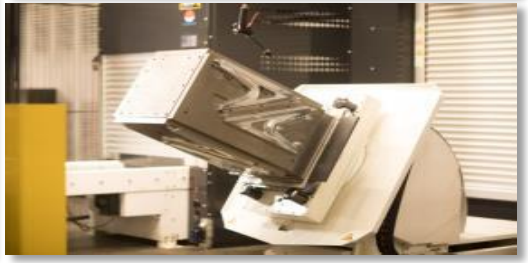
Integrated Manufacturing

Fastems' FMS Systems come with Multi-Level Tombstone and Material Bin Storage, Scheduling, Bin, and Tool Management Systems built-in to manage all available resources and all are fully integrated with our ERP system



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Lathe Turning Manufacturing

- Okuma Lathe LB3000EX with Robotics
- Okuma Lathe LU4000 with Robotics

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Multitasking Manufacturing

- Okuma Multus Lathe Multi – Tasking U4000 with Robotics
- Okuma Multus Lathe Multi – Tasking U3000 with Robotics

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Swiss Turning Manufacturing

- Tsugami Swiss Turning BO385
- Tsugami Swiss Turning BO205

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Vertical CNC Manufacturing

- Okuma M560-V
- Schunk Fixturing

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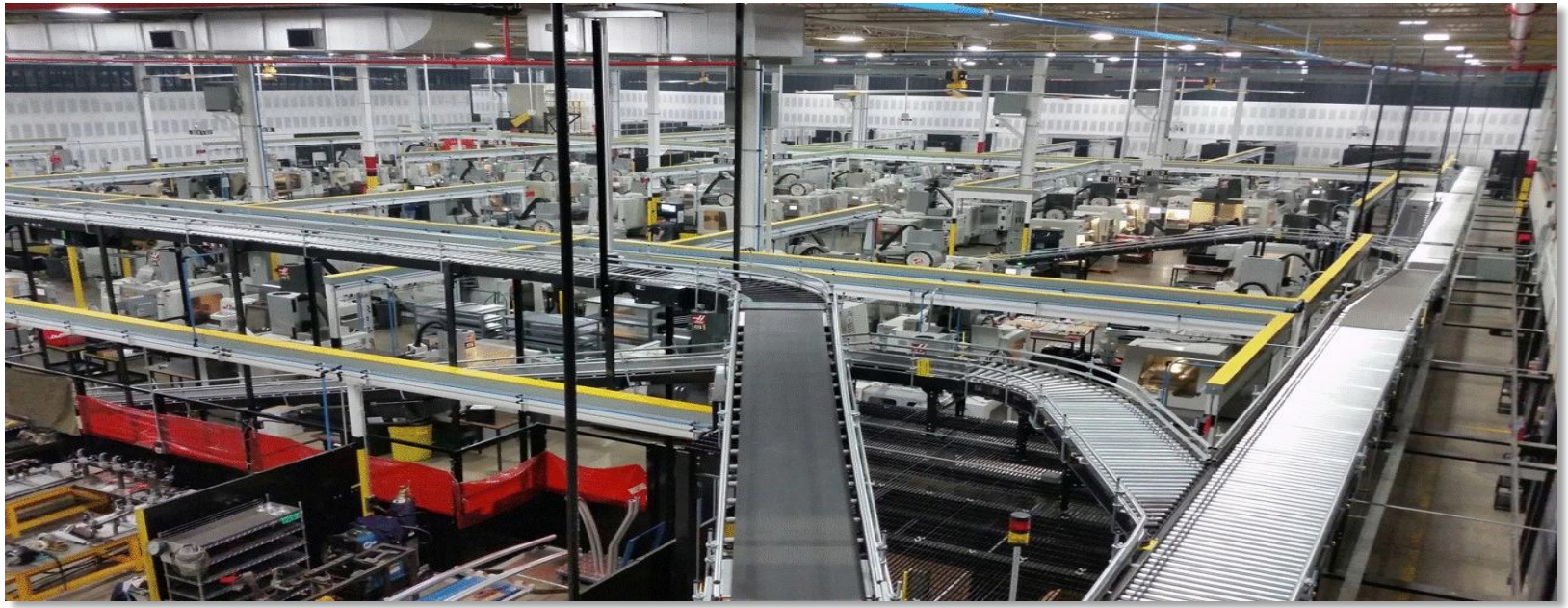
End-to-End Vertical Integration

Over 1.5 miles of conveyors designed to optimally move parts efficiently with minimum touches



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Anodizing Services

- Largest Fully Automatic, Enclosed Line in North America
- Type 1 and Type 2 Nadcap Accredited Processing
- 3 Cranes, 26 Tanks, 2 Resources

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Inventory Services

- AS/RS Systems to support JIT, Kanban, FIFO
- 2000 Material Bins, holds up to 16,0000 unique part numbers

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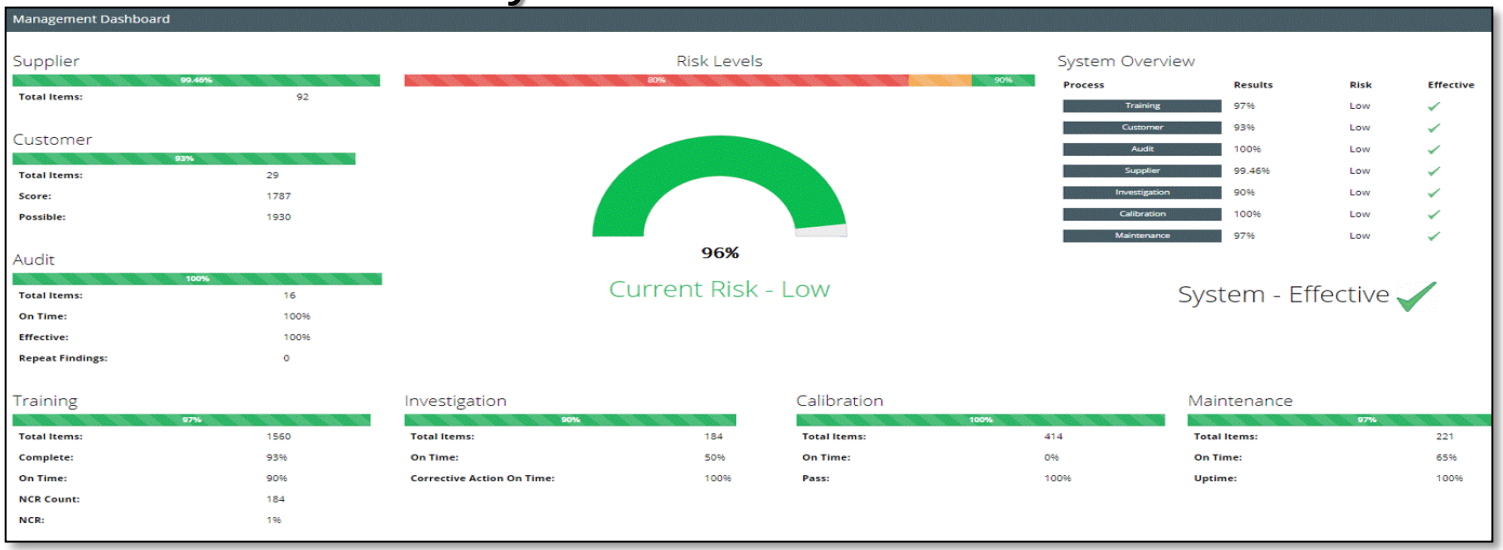
Metrology Services

- Zeiss CMM Quality Control Equipment
- Full Metrology Lab supporting AS9100D Quality Management System

World Class

- ISO 9001:2015/AS9100D Certified – Nadcap Accredited
  ISO 13485 (Medical Devices) * Pending
- 100% On Time Delivery, All Customers for 26+ Months
- Defect Rate – Only 43 PPM for 2019



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Value-Driven Solutions

- Single Source - Turn-Key First Article and Manufacturing
- Combined Engineering and Programming Expertise
- Quick-Turn Quoting
- Flexible capacity to meet Customer demands
- Vertically integrated with full ERP and QMS systems for Transparency, Scheduling and Reporting
- Unique Manufacturing Capabilities - Not Found in Most Manufacturing Facilities
- Strong Relationships in Supply Chain & Customers

GEREMARIE

We Have Capacity

SINGLE SOURCE

SAFETY, QUALITY, DELIVERY

COST CONSCIOUS

VALUE DRIVEN

Contact: CustomerService@Geremarie.com