



CAPABILITIES SNAPSHOT & FACILITIES LIST

CNC Machining 5-Axis Capability: up to 30" cubed

CNC Machining 4-Axis Capability: up to 34" x 64"

Welding

Assembly / Clean Room Assembly & Packaging

Engineering Support

Complex Problem Solving

Stockkeeping & Inventory Management Service

Materials: Ferrous, Non-Ferrous, Exotic Metals, Plastics, Composites

Production Volumes: Prototype through Medium-to-Large Scale Production

CNC Turning: up to 24" diameter and 70" length

CNC Grinding (OD, ID, Flat Surfaces) **& Honing** (Horizontal, Vertical)

CNC Wire EDM

ISO 9001:2015 Quality Assurance

CAD, CAM, CMM

Prompt Quotes

On-Time Delivery

Types of Production: Prototype, Custom, Reserved Capacity, Lights Out

Customer Strategies: Engineer to Order, Make to Order, Make to Assemble

MILLING

- 5-Axis**
- (4) DMG MORI DMU50*
 - (2) DMG MORI DMU75**
 - (1) ROBODRILL (alpha) - D21LiB5ADV
 - (1) ROBODRILL (alpha) - D21LiB5ADV Plus
- * one w/ 10 pallet system*
*** one w/ 3 pallet system*

- 4-Axis**
- (1) SUPERMAX NSV 156 A
 - (1) SUPERMAX NSV 102 A
 - (1) SUPERMAX NXV 1680A
 - (1) SUPERMAX MV 76A
 - (2) SUPERMAX NXV 1020A
 - (1) SUPERMAX XV 1250A
 - (1) SUPERMAX XV 1020A
- &**
- (2) MAZAK HCN-5000 Horizontal Center*
 - (1) MAZAK HCN-4000 Horizontal Center**
- 3-Axis**
- (1) FANUC ROBODRILL (alpha) - T24iEL
 - (1) FANUC ROBODRILL (alpha) - D21MiA5
 - (2) FANUC ROBODRILL (alpha) - Ti4iD
 - (1) YCM NSV120A w/ 4th axis
 - (3) TRAK DPM BED MILL
 - (1) ACU-RITE MILL
 - (2) BRIDGEPORT rapid feed w/ digital readout
- * with 24 pallet system*
*** with 6 pallet system*

QUALITY ASSURANCE

FAI / AQL Documentation, Reporting & Data Retention
Quality Conformance Certificates
Carl Zeiss Spectrum CMM with RDS (2)
Keyence IM8030 CMM Vision System
Mitutoyo Comparitor with Quadracheck
TESA Micro-Hite 16-24"
Mitutoyo Toolmakers Microscope
Height Gauges
Micrometer and Vernier Caliper - Full Sets
Gauge Block - Full Sets
Pins - Full Sets
Dial Bore Gauges to 16"
Sunnens Bore Gages - Full Sets
Thread Gages - Full Set
Plug Gages - Full Set
Ring Gages - Full Set
Mitutoyo Surface Roughness Gage
Granite Surface Plates from 18" square to 3' x 5'

TURNING

- (2) NAKAMURA-TOME SC250 ... w/ LNS Bar Feeder
- (2) NAKAMURA-TOME TMCD-15
- (1) NAKAMURA-TOME TMC 15 ... with Spago Turnamic 126 Bar Feed
- (1) YCM TC 36W
- (1) DMG MORI EcoTurn 450
- (1) SHARP 1880-80" with Newall Readout
- (2) TRAK 2460 24" Lathe
- (1) WEBB 17" with Digital Readout
- (2) BRIDGEPORT EZ Path

MILL/TURN CENTERS

- (1) NAKAMURA WT300 ... w/ LNS Bar Feeder
- (1) NAKAMURA WT150 ... w/ LNS Bar Feeder
- (3) DMG MORI NLX 2500
- (1) DMG MORI NLX 2000
- (1) YCM Supermax GT300M

GRINDING & HONING

Okamoto Surface Grinder 16-32 DX
Harig Super 618 Surface Grinder
Norton OD Grinder
Sunnens Automatic Vertical Honing
Sunnens Automatic Horizontal Honing

WIRE EDM

Sodick VL400Q wire EDM
Sodick VL600QH wire EDM 19.6" height

MARKING & ENGRAVING

Trumpf TruMark Station 5000 4-Axis Laser
LectroEtch Marking

WELDING & HARDFACING

MIG Welding
TIG (Heliarc) Welding
Stellite Welding
Sanitary Welding to USDA Specifications
Starweld Plasma Transferred Arc Hardfacing

ADDITIONAL EQUIPMENT

Titan Series CNC Router - 4' x 8' capacity
Band Saws
Plastics Saw
Empire Media Blasting Cabinet
Belt Sanders
Tumblers
Drill Presses
40 Ton Press
Large leak testing tank to confirm weldment integrity

"More than Parts, Partnership"

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