OUR MANUFACTURING CAPABILITIES

PLANT LIST

MILLING MACHINES
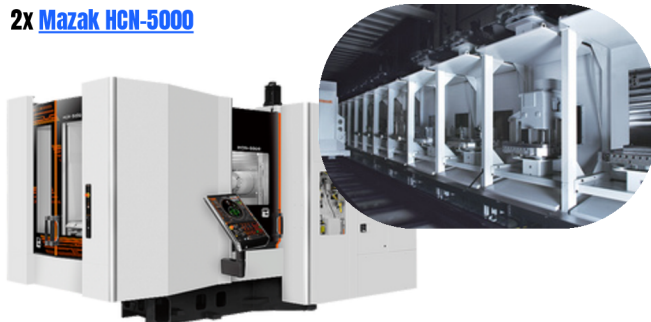
5-AXIS MILLING

2x Mazak Variaxis i-300 AWC

Pallet Automated 5-Axis Milling Center

ENVELOPE

- **13.8 x 21.7 x 20.1 in** (350 x 550 x 510 mm)
- **Max Workpiece:** ⌀13.8 in (⌀350 mm)

3 & 4 AXIS MILLING

2x Mori Seiki DuraCenter 5

With 4th Axis

ENVELOPE

- **21.7 x 16.1 x 16.1 in** (550 x 410 x 410 mm)

HORIZONTAL MILLING

2x Mazak HCN-5000

Pallet Automated Horizontal Milling Center
With 4th Axis

ENVELOPE

- **28.7 x 26.8 x 31.5 in** (730 x 730 x 800 mm)
- **Pallet: 19.7 x 19.7 in** (500 x 500 mm)

1x Mazak VCN-530

ENVELOPE

- **41.3 x 21.7 x 20.1 in** (1050 x 550 x 510 mm)
- **Max Workpiece:** ⌀22 in (⌀560 mm)

TURNING MACHINES

MILL-TURN MACHINES

1x Mazak I-400S

Bar-Fed Large Volume Multi-Axis
Turning and Milling Center

ENVELOPE

- **Max Workpiece:** Ø25.9 in x L 59.8 in (Ø658 x 1519 mm)

1x Mazak I-350HS

Robotic Automated Multi-Axis
Turning and Milling Center

ENVELOPE

- **Max Workpiece:** Ø26.4 in x L 59.8 in (Ø670 x 1519 mm)

1x Mazak I-200S

Bar-Fed Multi-Axis
Turning and Milling Center

ENVELOPE

- **Max Workpiece:** Ø25.9 in x L 39.8 in (Ø658 x 1519 mm)

TURNING MACHINES

1x OKUMA LU-15

1x OKUMA 762E

ENVELOPE

- **Max Workpiece:** Ø15.7 in x L 20.5 in (Ø400 x 520 mm)

SWISS TURNING MACHINES

1x TSUGAMI BS-18B   1x TSUGAMI BS-26 III

Bar-Fed High-Volume Production of Small Parts

SWISS TURNING ENVELOPE

MAX LENGTH: **8.2** inches (209 mm)
up to 20 inches depending on design
MAX DIAMETER: **1.02** inch (26 mm)

Disclaimer: *Machine envelope specifications are provided as general guidelines. Actual machining capacity may vary depending on part geometry, fixturing, tooling, and setup. With custom fixture design and process adjustments, larger or more complex parts may be accommodated.*

QUALITY EQUIPMENT

CMM'S

1x Mitutoyo Crysta Apex 707

ENVELOPE

- **27.8 x 27.8 x 23.8 in** (705 x 705 x 605 mm)

1x Hexagon Global S Green 07.10.07

Scanning CMM

ENVELOPE

- **27.5 x 39.4 x 27.5 in** (700 x 1000 x 700 mm)

SURFACE & FORM

1x Keyence IM-8000

Image Dimension Measurement System

1x Deltronic MPC-5 Optical Comparator

1x Video Comparator

1x Mitutoyo Profilometer

1x Positector 6000

OTHER

2x Fowler Trimos v4

1x Keyence Laser Micrometer TM-065T

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For further information please contact us at
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