

CAPABILITY SNAPSHOT

Condensed manufacturing capacity sheet for CNC machining, robotic automation, welding/fabrication support, and power-grid component production.

28 CNC
MACHINES

3 Robotic Automation Systems

Full details available upon request

SCAN WEBSITE



Machine Capacity Overview

Engineered components, repeat production, confidential RFQ review and industrial manufacturing support.

3 5-Axis Centers

4 Horizontal
Centers

9 Vertical Centers

3 Mill-Turn /
Integrex

9 Lathes / Turning

3 Robotic
Automation
Systems

Core Manufacturing Support

CNC Machining

3-, 4- and 5-axis machining; large vertical capacity; horizontal palletized production.

Mill-Turn / Integrex

Done-in-one machining, live tooling, Y-axis capability and multi-operation parts.

Welding & Fabrication

Weldments, assemblies, fabrication support and machining after welding when required.

Robotics & Automation

FANUC robotic handling and arc-welding automation for repeatable production.

Materials Experience

Copper | Aluminum | Stainless steel | Specialty alloys

Industries Served

Power grid / electrical infrastructure | Industrial equipment | OEM production | Mould-related manufacturing | Fabricated assemblies

RFQ Guidance

Submit prints, models, material, quantity, revision level, target date and inspection needs through qualitymould.com/contact.

Confidentiality

Customer prints, models and project files are handled confidentially and used only to evaluate or support the requested work.

3 5-AXIS MACHINING CENTERS

Haas UMC-1000

Travels up to 40" x 25" x 25" | 635 mm trunnion | 1,000 lb table capacity. Complex parts and multi-sided machining.

Haas UMC-750

Travels 30" x 20" x 20" | 500 mm trunnion | 660 lb table capacity. 5-axis simultaneous capability.

Mazak Variaxis 500-5X

Travels 20.08" x 20.08" x 18.11" | 500 x 400 mm table | 661 lb capacity.

9 VERTICAL MACHINING CENTERS

Large VMC capacity

Extended X-travel platforms up to 80" for large plates, fixtures and long workpieces.

Mazak VTC platforms

Traveling-column machines with fixed tables up to 78" long. Useful for long components and dual-zone workflows.

Haas VF-3SSYT / Mazak VCN

Vertical platforms for high-speed and general-purpose milling. Plate, bracket, mould and fixture machining.

3 MULTI-TASKING / INTEGREGX

Mazak Integrex 300-IV / 200SY

Supports bar diameter up to 3" | sub-spindle | live tooling. Multi-operation parts in fewer setups.

Mazak Integrex 300IY

Supports bar diameter up to 3" with high-precision machining capability.

4 HORIZONTAL MACHINING CENTERS

Mazak HCN 5000-III (Qty 2)

500 mm pallet | 1,102 lb capacity | high-speed horizontal machining platform. Through-spindle coolant capability.

Mazak HCN-4000 / HTC-400

400 mm pallet platforms with 2-pallet changer capability for repeat production and fixture-based workflows.

9 LATHES & TURNING CENTERS

Mazak Power Master Platforms (Qty 2)

Large turning capacity up to 36" diameter and long-shaft turning. Heavy-duty shaft and large diameter work.

Mazak Power Master Universal

Long-shaft turning platform with between-centers capability up to 117" range.

6 Additional Turning Centers

Diameters ranging from 1/4" through 36" | live tooling | done-in-one production | high-precision machining.

3 ROBOTIC AUTOMATION SYSTEMS

FANUC R-2000iB 200R

3,095 mm reach | 200 kg payload capacity for robotic handling and repeatable production support.

FANUC ARC Mate 120iD

Robotic arc-welding automation | +/-0.02 mm repeatability.

FANUC ARC Mate 100iD

Robotic arc-welding automation | +/-0.04 mm repeatability.

Important capacity note

Representative equipment and capacity highlights. Final manufacturability, usable envelope, fixturing, material, tolerance capability, inspection requirements and lead time are confirmed during RFQ review.

