



PURPOSE DRIVEN MANUFACTURING™

## Equipment and Capabilities List

Precision CNC Machining | 5 Axis Milling | Multi-Axis Turning | Metrology

<b>CNC Mills, Vertical</b>	<b>Total Count</b>	<b>Year</b>	<b>Number of Axes</b>	<b>Travel (Envelope for Machining)</b>	
Okuma M560-V	1	2020	3	41.3" x 22.1" x 18.1"	
Okuma M450V-5AX	1	2019	5	30" x 18.1" x 18.1"	
Haas DT-1	1	2018	3 to 5	20" x 16" x 15.5"	
Haas UMC-750SS	1	2018	5	30" x 20" x 20"	
Haas VF-4	1	2016	3 to 5	50" x 20" x 25"	
Haas VF-2	2	1998, 2017	3 to 4	30" x 16" x 20"	

  

<b>CNC Mills, Horizontal</b>	<b>Total Count</b>	<b>Year</b>	<b>Number of Axes</b>	<b>Travel (Envelope)</b>	<b># Pallets (for Automation)</b>
Kitamura HX250iG	1	2020	4	12" x 12" x 13"	10

**CNC Machines have the latest technology such as parts & tool probing (Renishaw Brand), high pressure & programmable coolant, through spindle air & coolant, high speed spindles, minimum quantity lubrication (MQL), automatic vibration compensation, dynamic work offsets and more.**

(Equipment continued page 2)

<b>CNC Lathes</b>	<b>Total Count</b>	<b>Year</b>	<b>Specifications</b>	<b>Max Part Diameter</b>
Okuma Genos L3000-MY-e X 1000	1	2020	Tail Stock, Y Axis, Live Tooling	13.39"
Okuma LB3000EX-II/800MYW	1	2019	Multi Spindle, Y Axis, Live Tooling	13.39"
Mazak Nexus 200-II MSY	1	2012	Multi Spindle, Y Axis, Live Tooling	14.96"
Mazak Nexus 250MS	1	2006	Multi Spindle, Live Tooling	14.70"
Mazak Quick Turn 8N	1	1990	Tail Stock	6.65"

<b>Metrology</b>	<b>Total Count</b>	<b>Year</b>	<b>Specifications</b>	<b>Work Envelope</b>
Mitutoyo S9108 (Laboratory CMM)	1	2020	CMM with Scanning Probe, 5 Axis, ISO 10360	30.4" x 39.4" x 31.5"
Hexagon 7.10.7SF (Shop Floor CMM)	1	2017	CMM with Scanning Probe, 5 Axis, ISO 10360	27.5" x 39.4" x 27.6"
Keyence IM-7030	1	2019	Vision Inspection System	11.8" x 17.8" x 5.7"

<b>Automated Sawing</b>	<b>Total Count</b>	<b>Year</b>	<b>Max Diameter</b>	<b>Max Flat Bar Size</b>
Marvel Spartan PA26EPC	1	2017	10.25"	10" x 12"
Marvel Spartan PA10	1	1996	10.25"	10" x 12"

<b>Finishing &amp; Secondary Operations</b>	<b>In House Capabilities</b>	<b>Has Qualified Vendor(s)?</b>
Laser Engraving	Yes	Yes
Ultrasonic Cleaning	Yes	
Assembly	Yes	
Heat Treating	Yes	Yes
Precision Grinding		Yes
Plating/Coating/Anodizing		Yes
Sand Blasting	Yes	
Electro-Chemical Etching	Yes	
Dot Peen Marking	Yes	

## Shipping & Packaging Technologies

Foam Packaging Machine, Instapak  
Skin Packaging Machine  
Water Activated Tape

## In House Capabilities

Yes  
Yes  
Yes

## Software

Autodesk Inventor Pro  
SolidWorks Standard  
Autodesk PowerMill Premium  
Autodesk FeatureCAM Ultimate  
PC-DMIS CAD++  
MCOSMOS-3  
RealTrac

## Type

CAD  
CAD  
CAM  
CAM  
CMM Software  
CMM Software  
ERP

## Year

2021  
2021  
2018, 2021  
2021  
2019  
2020  
2020

## Notes

Top Tier CNC Mill Programming Software  
Top Tier CNC Mill & Lathe Programming Software  
Top Tier Programming Software for Hexagon CMM  
Top Tier Programming Software for Mitutoyo CMM  
Tracks jobs from start to finish, including live status.