



HAWK
MACHINE WORKS

CAPABILITIES
BREAKDOWN

Manufacturing Facilities

20,000 square foot manufacturing and distribution facility. 100,000 square foot security fenced storage and distribution yard. 20,000 square foot assembly and testing facility.

CNC Lathes

Make	Model	Capabilities
Haas	SL-20 Lathe with Bar Feeder and Parts Catcher	Max turning capacity: 10.30" x 20.00" through bore 2.00"
Haas	SL-20 Lathe	Max turning capacity: 10.30" x 20.00" through bore 2.00"
Haas	ST20 Lathe	Max turning capacity: 10.30" x 20.00" through bore 2.00"
Okuma	L370 Lathe	Max turning capacity: 14.56" x 19.50" through bore 2.75"
Okuma	L370 Lathe	Max turning capacity: 14.56" x 19.50" through bore 2.75"
Okuma	L370 Lathe	Max turning capacity: 16.53" x 25.00" through bore 3.63" through bore 2.75"
Haas	SL-30 Lathe Big Bore	Max turning capacity: 17.00" x 34.00" through bore 4.00"
Haas	SL-30 Lathe Big Bore	Max turning capacity: 17.00" x 34.00" through bore 4.00"
Haas	SL-40 Lathe	Max turning capacity: 25.50" x 44.00" through bore 4.00"
Haas	SL-40 Lathe Big Bore w/ live tooling long bed and steady rest	Max turning capacity 25.50" x 80.00" through bore 7.08"
Haas	SL-40 Lathe Big Bore w/ live tooling long bed and steady rest	Max turning capacity 25.50" x 80.00" through bore 7.08"
Haas	SL-40 Lathe Big Bore w/ live tooling long bed and steady rest	Max turning capacity 25.50" x 80.00" through bore 7.08"
Okuma	Okuma Space Turn LB4000EXII C-1500 CNC Lathe	Max turning capacity: 11.81" x 62.60" through bore 3.15"



CNC Lathes

Make	Model	Capabilities
Haas	SL-40 Lathe Big Bore	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	SL-40 Lathe Big Bore	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe w/ live tooling	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe w/ live tooling	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe Big Bore	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe Big Bore	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe w/ live tooling	Max turning capacity: 25.50" x 44.00" through bore 7.08"
Haas	ST45 Lathe Big Bore Lathe	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe Big Bore	Max turning capacity: 25.50" x 44.00" through bore 6.50"
Haas	ST45 Lathe Big Bore	Max turning capacity: 25.50" x 44.00" through bore 6.50"
DNS (Doosan)	400LC Lathe Big Bore w/ steady rest	Max turning capacity: 25.50" x 44.00" through bore 6.50"
DNS (Doosan)	PUMA 5100 LYB	Max turning capacity: 21.7" x 79.5" through bore 6.60"
DNS (Doosan)	PUMA 5100 LYB	Max turning capacity: 21.7" x 79.5" through bore 6.60"

Automation

Make	Model	Capabilities
Productive Robotics	OB7	Pay Load: 5kg Reach: 1000mm



Manual Lathe/Mills

Make	Model	Capabilities
Modern	C6251 x 2000 Manual Lathe	Max turning capacity: 20" x 70" Through bore 3"
Toolmex	630A Turning Lathe	Max turning capacity: 24.8" x 118" Through bore 5.5"
Modern	857	XYZ Travels: 36" x 16" x 20"

CNC Mills

Make	Model	Capabilities
Okuma	V4020 Milling Machine with integrated 4th axis	XYZ Travels: 40" x 20" x 17.75"
Haas	VF3 Milling Machine with Integrated 4th and 5th axis	XYZ Travels: 40" x 20" x 25.00"
Haas	VF3 Milling Machine with Integrated 4th axis	XYZ Travels: 40" x 20" x 25.00"
Haas	VF3SS Milling Machine with integrated 4th axis	XYZ Travels: 40" x 20" x 25.00"
Haas	VF4 Milling Machine with integrated 4th axis	XYZ Travels: 50" x 20" x 25.00"
Haas	VF5 Milling Machine with integrated 4th axis	XYZ Travels: 50" x 26" x 25.00"
Haas	VF6 50/TR Milling Machine 50 Taper 5-AXIS	XYZ Travels: 64" x 32" x 30.00" A-Axis Tilt 120deg. / B-Axis Rotation 360deg.
IBARMIA	ZVH 45 STAR 5-AXIS MILL	XYZB Travels: 118" x 31" x 31" Table Dims: 118" x 33.5"
DNS (Doosan)	Mynx 5400 Vertical Machining Center	XYZ Travels: 40.2" x 21.3" x 20.8"
DNS (Doosan)	DNM 5700 Vertical Machining Center	XYZ Travels: 41.3" x 22.4" x 20.1"
DNS (Doosan)	DNM 5700S Vertical Machining Center	XYZ Travels: 41.3" x 22.4" x 20.1"



Saws

Make	Model	Capabilities
Amada	HFA 400W Automatic	Max cutting capacity: 16" x 20"
Amada	HFA 400W Automatic	Max cutting capacity: 14" x 14"
Hawk Machine	S20 Rolling Custom built saw	Max cutting capacity: Cutting of bundles up to 15" in diameter and 30' in length

Bucking Machines/Torquing Units

Make	Model	Capabilities
Mccooy	RP21109-XX with Wincatt Computer Analyzed Torque	20' Bed Bar Size 1.66" to 9" in Diameter 10,000 ft-lbs
Gill	500 Bucking Unit	Size Range 1-1/4" - 7" OD, Torque Rating 8,000 ft - lbs
Gotco	FA7 - Tork FT 40	40' Bed - 30,000 ft - lbs

Quality Assurance

Mitutoyo	LH-600 computerized	Height Gauge
Mitutoyo	PH-3500	Optical Comparator
Gagemaker	Software/gauges	Full API Threading Capability With
Hard Gauges	Hard Gauges for common API threads	Verifying Threads
Full dot marking and engraving capabilities		
Surface Plate		
Full Measurement & Material Traceability		
Laser Marker		



Other Services

Phosphate	In-house Zinc and Manganese Phosphate	24" x 40" x 24"-part size
Pressure Testing	In-house pressure testing with computerized recording	

Heat Treatment	Gas Nitride	EDM
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Software

SolidWorks	Design - Drawings
Gibbs Cam	CAD/CAM
ProShop	ERP

