



CAPABILITIES BREAKDOWN



Manufacturing Facilities

20,000 square foot manufacturing and and distribution facility
 100,000 square foot security fence storage and distribution yard

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"
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: 16.53" x 25.00" through bore 3.63"
Haas	SL-40 Lathe	Max turning capacity: 25.50" x 44.00" through bore 4.00"
Viper	VT33BL Lathe	Max turning capacity 17.00" x 40.00" through bore 4.60"
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	Max turning capacity: 25.50" x 44.00" 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"
Doosan	400LC Lathe Big Bore w/ steady res	Max turning capacity: 25.50" x 44.00" through bore 6.50"

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"



CNC Mills

Make	Model	Capabilities
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"

Manual Lathe/Mill

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"

SAW

Make	Model	Capabilities
Hydmech	S20 Series III Automatic Band Saw	Max cutting capacity: 13" x 18"
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 Machine/Torquing Units

Make	Model	Capabilities
Mccoys	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 ISO 9001

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

Other Services/Management

Phosphate	In-house Zinc and Manganese Phosphate	24" x 40" x 24" part size		
Pressure Testing	In-house pressure testing with computerized recording	EDM	Heat Treatment	Gas Nitride
Software				
Solidworks	Design - Drawings			
Gibbs	Cad/Cam			





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VT-33BL