

MACHINING CAPABILITIES

SOURIAU PA&E

CNC PROGRAMMING		(6) Mastercam Version 10 MR2 (Includes Mill/Design/Lathe) (4) Solidworks (Includes Part, Assembly, Drawing and E-Drawing)		
	Make	Type	Model	Spindle Travel (Inches)/RPM/Tools
CNC VERTICAL MACHINING CENTERS	(1) Fadal	4-Axis	6030	30"x60" 10,000 RPM 15HP -21 Tools
	(1) Fadal	3-Axis	5020	20"x50" 10,000 RPM 22.5HP
	(1) Fadal	3-Axis	4020	20"x40" 10,000 RPM 15HP
	(1) Okuma	4-Axis	V4020 Cadet	20"x40" 10,000 RPM 15HP -21 Tools
	(1) Okuma	4-Axis	MX45VAE	30"x18" 12,000 RPM -32 Tools
	(1) Okuma	3-Axis	MX45VAE	30"x18" 12,000 RPM -20 Tools
	(1) Okuma	3-Axis	MX45VAE	30"x18" 12,000 RPM -32 Tools
	(3) Okuma	3-Axis	MX45VAE	30"x18" 12,000 RPM -20 Tools
	(3) Okuma	3-Axis	MX45VAE	30"x18" 7,000 RPM -20 Tools
	(2) Okuma	3-Axis	Cadet Mate	40"X20" 8,000 RPM -20 Tools
	(1) Revolution	3-Axis	Tooling Mill	20"x40" 5,000 RPM 5HP
CNC HORIZONTAL MACHINING CENTERS	(3) Mori Seiki	4-Axis	SH-50	12,000 RPM , 30 HP in a FEMS Cell
	(1) Mori Seiki	4-Axis	NH-4000	14,000 RPM, 30 HP, 240 tools
	(1) Mazak	4-Axis	FH-5800	28"x24"x26" 12,000 RPM, 30HP, 80 Tools
	(1) Mazak	4-Axis	FH-5800	28"x24"x26" 12,000 RPM, 30HP, 120 Tools
	(1) Mazak	4-Axis	FH-5800	28"x24"x26" 15,000 RPM, 40HP, 40 Tools
CNC TURNING CENTERS	(2) Okuma	2-Axis	Crown-BB	10"x17"-14" Swing, 3500 RPM 20-22HP
	(1) Okuma	2-Axis	Crown-BB	10"x17"-14" Swing, 3500 RPM 15-18HP
	(2) Omniturn	2-Axis	GT-75	4,000 RPM 1" Max. Stock
	(1) Star	5-Axis	SR-16	Screw Machine 16mm Max Stock, Live Tooling in 2-Axis
	(1) Tornos Bechler	9-Axis	Deco-10	Screw Machine, 10mm Max. Stock, 16,000 RPM, 16,000 RPM Main and 12,000 RPM Sub-Spindle, Live Tooling in 7 Axis
	(1) Tornos Bechler	9-Axis	Deco-13	Screw Machine, 12mm Max. Stock, 12,000 RPM, 12,000 RPM Main and Sub-Spindle, Live Tooling in 8 Axis
	(1) Hardinge	N/A	Elite 27MS	VDI25 Turret, 16 Stations, up to 32 Tools. 27mm Bar Capacity x 330mm Max. Turn Length, 8,000 RPM Main and Sub Spindle Parts Removal System
(1) Miyano	2-Axis	LE-22	10"x12"x13.75" Swing, 4,000 RPM, 15HP	
WATER JET	(1) Omax	N/A	55100	55"x100" 20HP, 8" Thick
LASER WELDING	(2) Lasag	542C	Pulsed Nd:Yag	Fiber optic delivered beam 4-Axis workstation
LASER MARKING	(1) Quantronix	Osprey	Constant Watt Nd:YVO ₄	

MACHINING CAPABILITIES

	Make	Type			Make	Model
MANUAL LATHES	(1) Cadillac		QUALITY CONTROL	TOUCH PROBE CMMS	(1) Mitutoyo	B706 CMM
	(1) Clausing				(1) Mitutoyo	B504B
	(1) Hardinge Chuckers				(1) Mitutoyo	343/454
TOOL & CUTTER GRINDERS	(1) Cincinnati	#2	QUALITY CONTROL	OPTICAL CMMS	(2) OGP Smartscope	Flare
	(1) Jones & Shipman				(1) OGP Smartscope	FOV
	(1) Covel Eucel				(1) Starret Sigma	HC800
	(1) Drill Grinder				(1) View Module Ve612	Voyager 1000
EQUIPMENT & SYSTEMS	(1) Kaoming		QUALITY CONTROL	OPTICAL CMMS	(1) Mitutoyo	PH-3500
	(5) Digital Height Gauges					
	(4) Federal Air Gauges					
MANUAL MILLS	(1) Hitachi	Horz.	EDM	(1) Mitsubishi	CX-20	
	(3) Bridgeport	Vert.		(1) Excell-O	Die Sinker	
	(1) Alliant	Vert.				
AEROSPACE ASSEMBLY	(2) Sunnen Hyd. Press					
	(1) Hardinge HC Lathe					
	(2) Inkjet Part Marker					

CERTIFICATIONS:

- AS-9100, Rev. B
- ISO 9001:2008
- Company Commitment to Total Quality

MANUFACTURING SYSTEMS:

- Axapta—Fully Integrated Manufacturing Software, ERP Capacity Planning
- In Process Control

FACILITIES:

- 38,000 SF Manufacturing Space
- 6,000 SF Processing Plant
- 36,000 SF Assembly
- 15,000 SF Office Space
- 96,000 SF Total

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ISO 9001:2008/
 AS9100

