

CNC - VERTICAL MILLING MACHINES		
MAZAK	VTC-20B	X axis = 44" Y axis = 20.8" Z axis = 22.5"
CNC - VIPER	VMC-2100	X axis = 81" Y axis = 40" Z axis = 32.2"
CNC - VIPER	VMC-2100 AG	X axis = 81" Y axis = 40" Z axis = 32.2"
LEADWELL	V-30	X axis = 30" Y axis = 16" Z axis = 16"
LEADWELL	V50	X axis = 50" Y axis = 20" Z axis = 24"

HORIZONTAL BORING & MILLING MACHINES		
NOMURA	B-100 BTZ	X axis=100" Y axis =72" Z axis =43"
NOMURA	B-100 SR	X axis =60" Y axis =50" Z axis =43"
NOMURA	B-100-BT2 WP	X axis =100" Y axis =72" Z axis =43"
CNC- NOMURA	HBA-110T-R3	X axis = 78" Y axis = 60" (-1"+59") Z axis = 55" W axis = 19" Full Rapid Rotation Table B axis
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CNC- NOMURA	HBA-110T-R3	X axis = 78" Y axis = 60" (-1"+59") Z axis = 55" W axis = 19" Full Rapid Rotation Table B axis
CNC- KURAKI	KBT - 11Z	X axis = 110" Y axis = 70.86" Z axis = 47.24" W axis = 19.68" Full Rapid Rotation Table B axis

GUN DRILLING MACHINE		
DEHOFF	30120RT BTA	Drill Capacity: 3.00"diameter Max. Part Length: 120" Part Diameter: 5"-16" Drill Head Stroke: 120"

CNC - LATHES		
CLAUSING	CNC-4000	Maximum Turning Diameter = 21.8" Maximum Turning Length = 80" Swing Over Cross Slide = 14.5" Stroke X axis = 11.4" Z axis = 75.5"
TOOLMEX	TUR930MN	Maximum Turning Diameter = 37.4" Maximum Turning Length = 236" Swing Over Cross Slide = 24.8" Stroke X axis = 22.4" Z axis = 236"
CLAUSING	CNC-5000	Maximum Turning Diameter = 25" Maximum Turning Length = 157.5" Swing Over Cross Slide = 15.5" Stroke X axis = 15" Z axis = 153"
LEADWELL	LTC-30CPL	Maximum Turning Diameter = 19.29" Maximum Turning Length = 51.57" Swing Over Cross Slide = 20.47" Travel X axis = 10.63" Z axis = 59.84"
LEADWELL	LTC-50BL	Maximum Turning Diameter = 31.49" Maximum Turning Length = 80" Swing Over Cross Slide = 27.55" Travel X axis = 16.73" Z axis = 82.76" **LIVE TOOLING**
LEADWELL	LTC-50BXL	Maximum Turning Diameter = 31.49" Maximum Turning Length = 119.48" Swing Over Cross Slide = 27.55" Travel X axis = 16.73" Z axis = 122"
LEADWELL	LTC-50BXL	Maximum Turning Diameter = 31.49" Maximum Turning Length = 119.48" Swing Over Cross Slide = 27.55" Travel X axis = 16.73" Z axis = 122" **LIVE TOOLING**
GILDEMEISTEER	CTX 310 197585	Maximum Turning Diameter = 7.87" Maximum Turning Length = 22.87" X axis Stroke = 6.29" Z axis Stroke = 17.71"
IKEGAI	TU30L	Maximum Turning Diameter = 23" Maximum Turning Length = 57.25" Swing Over Bed = 23.625" Travel X axis = 13" Z axis = 62"

CNC - VERTICAL LATHES		
DOSAN	V 550	Maximum Turning Diameter = 21.65" Maximum Turning Length = 24.02"
MIGHTY VIPER	12/16M	Maximum Turning Diameter = 63" Maximum Turning Length = 49" Swing Over Bed = 49.2" Travel X axis = 55.3" Z axis = 39.3" **LIVE TOOLING CAPABILITIES**

GRINDING DEPARTMENT		
WUSIA	M2120	Maximum Diameter = 16" Maximum Length = 10"
BLANCHARD	18	Vertical Range = 24" Maximum Grinding Dia. = 32"
NOVA RESE	1099	Maximum Diameter = 8" Maximum Length = 10"
SMTW	MQ1350AX3000	Max. Dia. with Steady rest = 7.87" Min. Dia. With Steady rest = 1" Max. Dia. without Steady rest =19.685 Maximum length = 118.11"
SMTW	MQ1350AX3000	Max. Dia. with Steady rest = 7.87" Min. Dia. With Steady rest = 1" Max. Dia. without Steady rest =19.685 Maximum length = 118.11"
SMTW	H147	Max. Dia. with Steady rest = 7.87" Min. Dia. With Steady rest = 1.18" Max. Dia. without Steady rest = 28" Min. Dia. without Steady rest = 1.18" Maximum length = 157.48"
SMTW	MQ1350B	Max. Dia. with Steady rest = 7.87" Min. Dia. With Steady rest = 1" Max. Dia. without Steady rest =19.685 Min. Dia. without Steady rest = 1" Maximum length = 78.74"
SMTW	MQ1350B	Max. Dia. with Steady rest = 7.87" Min. Dia. With Steady rest = 1" Max. Dia. without Steady rest =19.685 Min. Dia. without Steady rest = 1" Maximum length = 78.74"
SISAL BUFFER G&P MACHINERY	S3896.F.1	18" DIA. X 144" LENGTH

WELDING		
MILLER DELTA WELDER	#651	Item Capacity: 650 AMP Item Electric: 3/60/230/460/575
ARC WELDER-LINCOLN	#DC 655	
MILLER DELTA WELDER	#302	Input Power: Requires 3-Phase Power Rated Output 300A at 32 VDC, 100% Duty Cycle
WELDER-MILLER	#D250	Input Power: Requires 1-Phase Power Rated Output 250 A at 30 VAC, 40% Duty Cycle 200 A at 28 VAC, 60% Duty Cycle

INSPECTION EQUIPMENT		
FARO ARM	EDGE	RANGE= 8 FEET
FARO ARM	PLATNIUM	RANGE=6 FEET
MADE TO MEASURE	APACHE	X AXIS=31.5" Y AXIS= 59" Z AXIS=23.62" **Environmentally clean room.**

MANUAL LATHES		
NARDINI	AM-32 120	Height of centers = 16" Swing Over Bed = 32" Swing Over Wings of Saddle = 29.25" Swing Over Cross Slide = 22.375" Swing in Gap = 43"
LATHE 17"	CLAUSING COLCHESTER	Height of centers = 9" Distance between centers = 80" Maximum Swing Over Bed = 17" Maximum Swing Cross Slide = 10.5"
DAINICHI - DHM	DHM 90 X 600	Maximum Turning Length = 118" Swing Over Bed = 35.43" Swing Over Wings Carriage = 24.80" Swing Over Cross Slide = 22.375" Swing in Gap = 43"
TUR 630M	TUR 630/S118	Maximum Turning Diameter = 23" Maximum Turning Length = 59" Between Centers = 118" Maximum Swing Over Bed = 24.80" Maximum Swing over Saddle = 14.96"
POREBA - LATHE	TR 135B2/8M	Maximum Turning Diameter = 52" Maximum Turning Length = 240" Height of centers = 53.15" Height Over Bed = 39.37" Height Over Slide = 64.96"

MANUAL MILLING DEPARTMENT		
LAGUN	FU-3LACV FUTV 1600	Longitudinal Traverse = 46" Cross Traverse = 13.38" Vertical Traverse = 18.50" Knee Travel Z axis = 17.125" Quill Travel = 5" Throat Distance Min. = 2.16" Throat Distance Max. = 25.125"
KONDIA	FV-1	Longitudinal Traverse = 34.50" Cross Traverse = 15" Vertical Traverse = 16.25" Knee Travel Z axis = 18.50" Throat Distance Min. = 6.75" Throat Distance Max. = 29.75"
BRIDGEPORT SERIES 1	126919	Table Travel X axis=36" Saddle travel Y axis = 12" Quill Travel = 5" Knee Travel Z axis = 16" Ram Travel = 12" Throat Distance Min. = 6.75" Throat Distance Max. = 18.75"

GEAR GRINDING , SHAVING AND SHAPING		
PFAUTER	P630	Max. Workpiece Diameter = 25" Max. Hobbing Length = 16" Max. Diametric Pitch that can be Hobbed = 3
FELLOWS	10-4	Max. Pitch Diameter (External) = 10" Max. Pitch Diameter (Internal) = 10" Max. Diametral Pitch (Spur) = 4 Max. Diametral Pitch (Helical) = 5