



MAH MACHINE FACILITIES LIST

CNC MILLING DEPARTMENT		
MACHINE	MODEL	DESCRIPTION
MAZAK	VTC-20B	CNC - Vertical Milling machine X axis = 44" Y axis = 20.8" Z axis = 22.5"
VIPER	VMC-2100	CNC - Vertical Milling machine X axis = 81" Y axis = 40" Z axis = 32.2"
VIPER	VMC-2100 AG	CNC - Vertical Milling machine X axis = 81" Y axis = 40" Z axis = 32.2"
LEADWELL	V-30	CNC - Vertical Milling machine X axis = 30" Y axis = 16" Z axis = 16"
CONDIA	B640	CNC - Vertical Milling machine X axis = 23.62" Y axis = 15.74" Z axis = 19.68"



HORIZONTAL BORING and MILLING MACHINES		
MACHINE	MODEL	DESCRIPTION
NOMURA	B-100 SP	Horizontal Boring and Milling Machine Headstock Vertical Travel = 50" Table Cross Traverse = 72" Table Longitudinal Travel = 43"
NOMURA	B-100 SR	Horizontal Boring and Milling Machine Headstock Vertical Travel = 50" Table Cross Traverse = 56" Table Longitudinal Travel = 40"
NOMURA	B-85 SR	Horizontal Boring and Milling Machine Headstock Vertical Travel = 40" Table Cross Traverse = 52" Table Longitudinal Travel = 32"
NOMURA	B-100-BT2 WP	Horizontal Boring and Milling Machine Headstock Vertical Travel = 72" Table Cross Traverse = 96" Table Longitudinal Travel = 43" X=110"; Y=70"; Z=52"
#004 CNC-NOMURA	HBA-110T-R3	Horizontal Boring and Milling Machine X axis = 78" Y axis = 60" (-1"+59") Z axis = 55" W axis = 19" Full Rapid Rotation Table B axis
CNC- NOMURA	HBA-1101-R3	Horizontal Boring and Milling Machine X axis = 78" Y axis = 60" (-1"+59") Z axis = 55" W axis = 19" Full Rapid Rotation Table B axis
CNC- NOMURA	HBA-110T-R3	Horizontal Boring and Milling Machine X axis = 78" Y axis = 60" (-1"+59") Z axis = 55" W axis = 19" Full Rapid Rotation Table B axis
CNC- KURAKI	KBT - 11Z	Horizontal Boring and Milling Machine X axis = 98.42" Y axis = 70.86" Z axis = 47.24" W axis = 19.68" Full Rapid Rotation Table B axis



MANUAL MILLING DEPARTMENT		
MACHINE	MODEL	DESCRIPTION
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"
CONDIA	FV-1	Longitudinal Traverse = 34.50" Cross Traverse = 15" Vertical Traverse = 16.25" Knee Travel Z axis = 18.50"
KASUGA	CFX-II UZ	Longitudinal Traverse = 32" Cross Traverse = 14" Vertical Traverse = 16.5625" Knee Travel Z axis = 17.125" Quill Travel = 5" Throat Distance to Spindle Min. = 9" Throat Distance to Spindle Max. = 24.80"
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"
BRIDGEPORT SERIES 1	J12756	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"
CLAUSING	600	Drilling Capacity = 2.50" Radius of Drill Spindle = 54" Admits Max. Diameter = 100" Drill Head Traverse = 36" Clearance Spindle nose to base Min. = 16" Clearance Spindle nose to base Max. = 55" Vertical Arm Adjustment = 27" Vertical Spindle Adjustment = 12"





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CNC - LATHE MACHINES		
MACHINE	MODEL	DESCRIPTION
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"
CLAUSING	CNC-6000	Maximum Turning Diameter = 30" Maximum Turning Length = 157.5" Swing Over Cross Slide = 20.5" Stroke X axis = 15" Z axis = 153"
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"
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"
GILDEMEISTER	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 LATHE'S		
MACHINE	MODEL	DESCRIPTION
DOSAN	V 550	Maximum Turning Diameter = 21.65" Maximum Turning Length = 24.02" Swing Over Bed = 30.31" Travel X axis = 12.2" Z axis = 24.02"



MANUAL LATHE DEPARTMENT		
MACHINE	MODEL	DESCRIPTION
NARDINI	AM-32 120	CAPACITY: 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 Centres = 9" Distance between Centres = 80" Maximum Swing Over Be = 17" Maximum Swing Cross Slide = 10.5"
LATHE 13"	CLAUSING COLCHESTER	Height of Centres = 5.50" Distance between Centres = 40" Maximum Swing Over Bed = 13.25" Maximum Swing Cross Slide = 8.25"
DAINICHI - DHM	DHM 90 X 600	CAPACITY: 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 centres = 53.15" Height Over Bed = 39.37" Height Over Slide = 64.96"



GRINDING DEPARTMENT		
MACHINE	MODEL	DESCRIPTION
WUSIA	M2120	Maximum Diameter = 16" Maximum Length = 10"
BLANCHART	18	Vertical Range = 24" Maximum Grinding Dia. = 32"
NOVA RESE	1099	Maximum Diameter = 8" Maximum Length = 10"
NORTON	IM036	Max. Dia. with Steady rest = 6.58" Min. Dia. With Steady rest = .40" Max. Dia. without Steady rest = 14" Maximum length = 70"
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 = 24.83 Min. Dia. without Steady rest = 1.18"
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"





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BAND SAW		
MACHINE	MODEL	DESCRIPTION
BAND SAW - W.F.WELLS	F-15-2U	Capacity: Rectangle:15"x17" Round:15" Blade Speeds (Variable):75-300FPM Blade Size :1"x.035"x14.5" Blade Wheel Diameter:20" Dimensions (L x W x H):88"x52"x71"
BAND SAW - MARVEL	# 8	90°: 18" (457 mm) Horizontal, 22" (560 mm) Vertical. 45°: 18" (457 mm) Horizontal, 12.75" (324 mm) . Speed Range: 50 – 450 fpm (15 – 137 m/min)

BAND SAW		
MACHINE	MODEL	DESCRIPTION
ARC WELDER - LINCOLN	# DC655	
WELDER - MILLER Delta	# 302	Input Power ; Requires 3-Phase Power Rated Output 300 A at 32 VDC, 100% Duty Cycle Recommended Welding Range CV mode: 15 - 32 V
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 Welding Amperage Range: 3 - 310 Amps
WELDER - MILLER Delta	# 651	Item Capacity: 650 AMP Model Number: DELTAWELD 651 Item Electric: 3/60/230/460/575

GEAR GRINDING , SHAVING AND SHAPING		
MACHINE	MODEL	DESCRIPTION
PFAUTER	P630	Max. Workpiece Diameter = 25" Max.
FELLOWS	10/4/2016	Max. Pitch Diameter (External) = 10" Max. Pitch Diameter (Internal) = 10" Max. Diametral Pitch (Spur) = 4 Max. Diametral Pitch (Helical) = 5 Max. Face With = 4" Max. Helix angle 45

