

# **BADGER ROLL & MACHINE, LLC**

## **Capacities Listings**

**Manufacturing Area: 84,000 square feet**

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<b><i>Press No. 1</i></b>	Two Poster Press	
	Maximum tons per inch,	400
	Press Ram Diameter	14 Inches
	Maximum Roll Face Length	48 Inches
<b><i>Press No. 2</i></b>	Two Poster Press	
	Maximum tons per inch	800
	Press Ram Diameter	16 Inches
	Maximum Roll Face Length	120 Inches
	Maximum Roll Diameter	28 Inches
<b><i>Press No. 3</i></b>	Two Poster Press	
	Maximum tons per inch	1,550
	Press Ram Diameter	18.875 Inches
	Maximum Roll Face Length	167 Inches
	Maximum Roll Diameter	32 Inches
<b><i>Press No. 4</i></b>	Two Poster Press	
	Maximum tons per inch	2000
	Press Ram Diameter	23.500 Inches
	Maximum Roll Face	193.00 Inches
	Maximum Roll Diameter	39.500 Inches
<b><i>Press No. 5</i></b>	Two Poster Press	
	Maximum tons per inch	2550
	Press Ram Diameter	24.250 Inches
	Maximum Roll Face	256.00 Inches
	Maximum Roll Diameter	42.00 Inches
<b><i>Press No. 6</i></b>	Two Poster Press	
	Maximum tons per inch	2,450
	Press Ram Diameter	24.250 Inches
	Maximum Roll Face Length	228 Inches
	Maximum Roll Diameter	42 Inches
<b><i>Press No. 7</i></b>	Four Poster Press	
	Maximum tons per inch	5500
	Press Ram Diameter	51.125 Inches
	Maximum Roll Face	394.00 Inches
	Maximum Roll Diameter	52.00 Inches

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<b>Press No. 8</b>	Two Poster Press	
	Maximum tons per inch	400
	Press Ram Diameter	12 Inches
	Maximum Roll Face Length	36 inches
	Maximum Roll Diameter	13 inches

### **Engine Lathe's - 4**

**Swift Engine Lathe** 100 HP. **64.1/2" Swing over bed.** 52" Swing over carriage. **384" between centers.** 15-ton capacity between centers. 25-ton capacity with steady rest. Equipped with Readouts. Chuck diameter 58.00" - Equipped with **Belt Grinding Attachment** and a **Tool Post Hard Wheel Grinder,**

**VDF Engine Lathe** **48.1/2" Swing over bed.** 48" Swing over carriage. **480" between centers.** Spindle Bore 6.7/8" – 39.1/2" Chuck. Steady rest up to 24.3/4" – Serial # 4067H

**Summit Engine Lathe** **41" Swing over bed.** 26.500" Swing over carriage. **360" between centers.** Equipped with Taper Turning Attachment, 39" 4-Jaw Chuck, (2) – 4-Way Tool Posts, (2) – Steady Rests, Rapid Travers, Readouts, Inch/Metric Threading.

**Monarch Engine Lathe** 22.1/2" **Swing over bed.** 13." Swing over cross slide 53." Between centers max, Taper attachment, Readouts

### **CNC Engine Lathe's - 2**

**ECOCA EL-6130E** 20 HP. **24" Swing over bed.** 15.750" Swing over carriage. **118" between centers.** Chucks – 15" 3-Jaw, 20" 6-Jaw, 1-Follow Rest, 2-Steady Rest, Spindle Bore Dia. 3.220" 117" Longitudinal Work Stroke (Z-Axis) 11.420" Transverse Work Stroke (X-Axis) Mitsubishi 5201 Control with Teach-In Software,

**Binns & Berry-80136** Data 90 CNC – **33.4" Swing over bed.** 27.5" Swing over cross slide. **156.1" between centers, Fagor 8025TG Control,** (1) Buck Chuck # 6424R – 24" (4-Jaw) Independent Chuck. (1) Three Point Steady Rest 1" – 12" Roller Jaws, (2) Three Point Steady Rest 10" – 20" Roller Jaws.

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### **Vertical Turret Lathe – 1**

***Bullard 36”  
Cut-Master 75***

**30 HP, Table Capacity 36.0”  
Under Rail 30.0”  
Equipped With 4 – Axis Digital Rea**

### **Boring Machines – 2**

***Sacem MST-90”  
Boring Machine***

**15 HP, 360 Degree Turn Table, Main Spindle Diameter  
3.1/2”, Main Spindle Traverse 31.1/2”, Spindle Vertical  
Travel 39.1/2”, Min / Max Height From Main Spindle  
Center to The Table 0-47.1/4”, Table Size 47.1/4” x  
57.1/8”, Automatic Cross Travel 67.”, Automatic Long  
Travel 53.1/8”, Max Wt. Centered On Table 8,800 Lbs.  
Sony 3 Axes Digital Readout.**

***Lucas 441B72  
Boring Machine***

**20 HP, 4” Main Spindle Diameter, # 50 Taper, 1,500 RPM  
3 – Axis Digital Readout, Tail Stock for Line Boring  
Z – Spindle Travel 24.”  
X – Horizontal Travel of Table 60.”  
Y – Vertical Travel of Head 60.”  
W – Axis Travel 72.”**

### **Vertical Milling Machines - 1**

***Kearney & Trecker  
4HC Mill***

**25 HP. With a # 40 Quick Switch, Table = 74.” X 15.1/2”  
With Readouts, X = 42.” Y = 13.500” Z = 12.00”**

### **Vertical Machining Center – 1**

***Fadal VMC  
6030***

**Fadal MP 32 Control, Virtual Gibbs Cam with Color  
Monitor, 22.5 HP, 10,000 RPM High Torque Spindle,  
60”X / 30”Y / 30”Z,  
Tool Changer CAT – 21 Positions,  
4<sup>th</sup> Axes Rotary Table V-300 with Tail Stock Assembly,  
Hole Through Coolant Spindle, Rigid Tapping**

### **Drill Presses - 1**

***Fosdick  
Radial Drill***

**4 Ft. Sensitive.  
Table Size, 24” x 48”**

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### **Roll Wrapper – 1**

*Wrapper Special*

46.1/2” Swing over carriage x 450” between centers,

### **Dynamic Balancing Machines - 1**

*American Hofmann  
Horizontal,  
Hard Bearing,  
Dynamic Balancer,*

**Type** HX-27.1, with PCX-27.1 **High Tec** touch screen microprocessor instrumentation, windows 2000 operating system. **50 HP** drive, **Max weight** of rotor mounted in its own bearings **70,000 Lbs.** Max weight of rotor mounted directly on the pedestal bearings **50,000 Lbs,** **Max diameter** of rotor over belt tensioner **69.00”** **Max diameter** over rest of bed **94.00”** **Minimum length** of rotor between centers of bearings **30.00”** / **Max length** between pedestals **445.00”**  
Balancing Speeds infinitely variable – Dependent on Drive diameter of rotor.

### **Roll Grinders - 1**

*Farrel (2) Wheel  
#60A3057*

**Wheel Head** 25 HP – **Spindle Speed Range,** B1 Directional, Programmable 100 – 1200 RPM, Grinding Wheel Size 3” Face x 20” Diameter, **Headstock** 50 HP – **Work Speeds** 4 – 24 RPM Programmable. **Carriage** 10 HP Speeds 2 – 60 IPM. **Carriage Ways** Center to Center 66” Overall Length Carriage Ways 88”, **Maximum Diameters Ground** 42” On Center and 60” **Below Center,** **Minimum Diameter Ground** On Center 8” **Maximum Roll Body Face Length** 315” - Equipped With The Machine, a new **Belt Grinding Attachment,** a new **Roll Track Measuring System,** the system is capable of measuring & recording **Roll Profile, Crown, Compound Crown, Dubbing, T.I.R. Readings, Concentricity, Two Plane Concentricity, Roundness & Tracking Measurements,**

### **Surface Grinders – 1**

*Arter  
Surface Grinder*

**Table Size** - 32” Diameter Magnetic,

*Gem Superfinisher*

**Serial # 93099**

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### **Horizontal Saws - 2**

***Wilton 8413  
Horizontal Saw***

13" X 18" Semi Automatic Dual Column Cut-Off,  
5-Horsepower, Variable, 60-410 FPM,

***Kalamazoo 13AW  
Horizontal Saw***

13." X 19." Rectangular & 13." Round Capacity,  
2-Horsepower

### **Vertical Saws - 1**

***Startrite 20RF  
Vertical Saw***

20." Throat, 10." Under Guide, Table Size 21" x 21"  
Table Tilt 45 Degrees & 15 Degrees Left.

### **Keyseater's - 1**

***Morrison Heavy - Duty  
Keyseater***

2 – HP. Cuts 1/16" to 1.1/4" Key-Ways,  
9" Maximum Length of Cut,  
Length of Stroke, 3" – 4.1/2" 6" – 7.1/2" & 9"  
Feeds – (3) .002" - .004" & .006"  
Distance From 1" Cutter to Column – 16.1/4"  
Max-Distance Under Standard Clamps – 14"  
Distance Between Clamps 25.1/2"  
Table Size 24" X 27"

### **Metal Disintegrators - 1**

***Electro Arc  
Metal Disintegrator***

Model 300S, Accurate From .020" to 3."  
60,000 Lb. Tensile Strength,  
1,500 Lb. Holding Power,  
4 – Axis Positioning,

### **Slitter - 1**

***Slitter Machine***

Serial #L-0-3392

### **Tool Room Machines**

***Tool Room***

2-Horizontal Tool Grinders,  
Miscellaneous Tool Grinders & Fixtures,

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### **Inspection Equipment**

<b><i>Granite Table</i></b>	10.' X 5.' True Stone Inspection Table
<b><i>Granite Table</i></b>	8,' X 4.' Starrett Pink Inspection Table
<b><i>Miscellaneous Inspection Equipment</i></b>	Brown & Sharp Cadillac Height Gage 18' Starrett & Brown & Sharp Height Gages, Dial Bore Gages to 16" Inside Micrometers to 57" O.D. Micrometers to 60" Rockwell Hardness Tester, Plus Additional High Tolerance Measuring Tools,

### **Ovens – 1**

<b><i>Wisconsin Oven SWH-8307G</i></b>	<b>Chamber Dimensions</b> – 8' Wide x 30' Long x 7' High, <b>Temperature Rating</b> – Maximum 500 Degrees F Minimum 125 Degrees F,
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<b><i>Specialty Services</i></b>	<b><u>Disassembly &amp; Assembly Services,</u></b> <b><u>Reverse Engineering, Manufacture Complete Services,</u></b> <b><u>24-Hr, Emergency Breakdown Services,</u></b> <b><u>SPEC – Roll Covers Installed &amp; Serviced,</u></b> <b><u>Eutectic Flame Spray Welding / Wire Feed Welding.</u></b>
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### **Cranes, Miscellaneous,**

<b><i>Overhead Cranes</i></b>	10 Ton Maximum Lift Height	
	(2) 15 Ton Maximum Lift Height	29.' 6" & 17.' 10"
	(2) 25 Ton Maximum Lift Height	25'.10"
	40 Ton Maximum Lift Height	29.' 6"

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