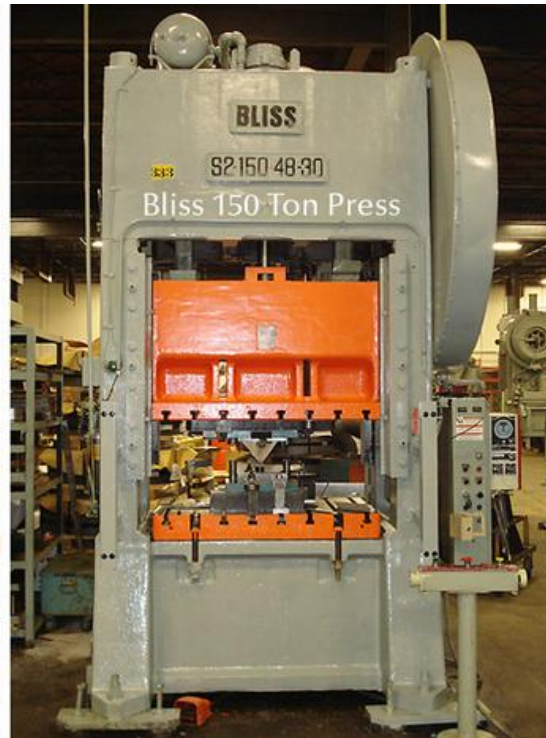




## EQUIPMENT LIST

### Straight Side Presses

Machine #	Make	Type	Tonnage	Stroke	Bed Size	Shut Height	SPM
126	Bliss	Mechanical	665-C	20"	48" x 50"	22.5"	8.5
600	Aida	Quick Draw	600-C	39.5"	139" x 67"	28" to 511"	12
500	Chicago D & K	Mechanical	500-C	12"	120" x 54"	24"	20
125	Lake Erie	Hydraulic	450-C	24"	62" x 48"	39"	7
100	Niagra	Mechanical	450-C	10"	108" x 54"	22" by 32"	25-30
202	Bliss	Mechanical	440-C	16"	36" x 36"	16"	9
300	Clearing	Mechanical	300	8"	54" x 40"	20"	30
120	Aida	Gap Frame	275	11"	106" x 36"	21.63"	20-35
110	Aida	Mechanical	250-C	11.8"	72" x 48"	19"	20
234	Minister	Mechanical	250-C	18"	84" x 48"	18" by 22"	17
867	Aida	Gap Frame	165-C	8"	46" x 29"	15.75"	55
333	Bliss	Mechanical	150	7"	48" x 30"	22"	35
865	Aida	Gap Frame	121-C	7"	42" x 26"	13.75"	65
863	Aida	Gap Frame	88-C	6"	37" x 24"	12.5"	75
645	Verson	Mechanical	600-C	16"	96" x 72"	30"	25
544	Niagra	Mechanical	165-C	6"	60" x 36"	27"	30-100
644	Verson	Mechanical	600-C	16"	92" by 72"	30"	21



## Double Action Presses

Machine #	Make	Type	Tonnage	Stroke	Bed Size	Shut Height	SPM
200	Lake Erie	Hydraulic	750-C	24"	48" x 48"	24.75"	12
124	Bliss	Mechanical	435	36"	53" x 52"	21.5"	4.5
205	Bliss	Hydraulic	150	48"	36" x 36"	37" by 39"	10
206	Bliss	Hydraulic	150	48"	36" x 36"	37" x 39"	10



## Open Back Inclinable Presses

Machine #	Make	Tonnage	Stroke	Bed Size	Shut Height	SPM
377	Johnson	100	4"	42" by 27"	13.5"	44
520	Federal	60	4"	21" by 32"	13"	60-180
528	Federal	60	4"	21" by 32"	13"	60-224



## CNC Machines

Make	Description	Quantity	Chuck Size
HAAS	Horizontal	4	12"
HAAS	Vertical	1	12"
MURATEC	Horizontal	1	Dual Head





## Quality Control

Quality Control
Design, Pre-Production and Production Controls
Pre-process Work Instruction (Word)
Assorted Calibrators
PPAP Checklist (Word)
Dimension Test Results (Word)
Preventive Maintenance for Machines & Tooling (Word)
Job Flowchart (Word)
Gage Repeatability and Reproducibility Studies
Material Test Results (Word)
Statistical Process Controls (M2M)
Supplier ISO Certifications (Excel)
Sheffield CMM measurement Machine
Supplier Material, Annealing & Plating Certifications
CNC Coordinate Measuring Machine Photo Video
Rockwell Hardness Tester
Measuring Devices (metric and English)
Horizontal Optical Comparator
Measuring Devices
Calipers, Gage Blocks, Pin Gauges, Radius Gauges & Micrometers



## Quality Control

<b>Miscellaneous</b>				
Leland 24" Drill				
Rockwell 17"				
Clausing 20" Drill				
Enco Sand Blaster				
Omera Trimmer				
Banner Spot Welder (2)				
Brake Press	Ermak	170 Ton	8" Stroke	10 Foot bed
Bandsaw	Amada	Autofeed		
Tool Room Equipment				
Cincinnati	Radial Arm Drill			
Summit	Engine Lathe 2ft. diameter capacity			
Powermatic	Drill Press			
Hoskins	Screw Press			
Okamoto	Wet Grinder			
Boyar Shultz	Grinders			
Mitsui	Grinder with Digital Readout			
Fanuc	EDM Wire Machine			
Bridgeport (2)	Mill with Digital Readout			
Journeyman	Table Saw			
Rollin	Table Saw			
Elgin	Lathe Pedestal Grinder			
Finishing Available				
-Part/Material Cleaning				
-Deburring				
-Grinding				
-Heat Treating				
-Austempering				
-Welding				
-Various Plating				
-Painting				
-Light Assembly				
Packaging				