

Die Services International Equipment List

Triple Action Press

	Tonnage Inner Ram	Tonnage Outer Ram	Tonnage Lower Bolster	Bed Size
Bliss	650	450	600	90" X 160"

Double Action Presses

	Tonnage Inner Ram	Tonnage Outer Ram	Bed Size
Clearing	2000	1250	108" X 180"
Clearing	1500	1000	100" X 144"
Verson	1000	600	84" X 144"
Clearing	1000	600	84" X 132"
Clearing	900	800	102" X 162"
Clearing	900	600	100" X 134"
Clearing	900	600	100" X 134"
Clearing	800	500	100" X 182"
British Clearing	800	500	80" X 144"
Clearing	700	500	68" X 110"

Single Action Presses

	Tonnage	Bed Size
Clearing with Dallas 48" Feed Line	3000	84" X 240"
Verson Hydraulic	3000	120" X 216"
Clearing	1000	120" X 204"
Danly	800	102" X 204"
Clearing Hydraulic	250	96" X 200"
Clearing	750	90" X 200"
Clearing Hydraulic	250	136" X 180"
Clearing	1000	100" X 180"
Verson	1000	100" X 180"
Verson	1000	100" X 180"
Danly	1000	102" X 180"
Clearing	450	100" X 180"
Clearing	900	96" X 180"
Clearing	900	96" X 180"
Clearing	900	96" X 180"
British Clearing	700	120" X 168"
Bliss	1250	108" X 160"
Bliss	1000	108" X 160"
Bliss	1000	108" X 160"
Bliss	1000	108" X 160"
Republic Hydraulic	200	100" X 160"
US Industries	1000	109" X 156"
US Industries	1000	100" X 156"
US Industries	1000	100" X 156"
Bliss	2000	84" X 156:
Clearing	700	100" X 156"
Clearing	850	100" X 144"
Verson	800	96" X 144"
Verson	800	96" X 144"
Verson	800	96" X 144"
USI Clearing	500	84" X 144"
Clearing	850	84" X 144"
Clearing	850	84" X 144"
Clearing	850	84" X 144"
Verson	800	72" X 144"
Verson	800	72" X 144"
Verson	800	72" X 144"
Verson	800	72" X 144"
Verson	800	72" X 144"
Republic Hydraulic	200	100" X 134"
Republic Hydraulic	200	100" X 134"

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Republic Hydraulic	100	100" X 134"
Republic Hydraulic	100	100" X 134"
Clearing	800	84" X 132"
Clearing	350	84" X 132"
Republic Hydraulic	50	80" X 80"
Republic Hydraulic	50	80" X 80"
Republic Hydraulic	200 Double Bed (One Tank EDM #14)	188" X 137"

Spotting Presses

1	72" X 95" SH 72"
9	72" X 144" SH 72"
1	84" X 151" SH 64"

CNC Boring Mills

		X	Y	Z	W
5	G & L Horizontal Boring Mill	144"	103"	30"	48"
1	G & L DIE MILL	144"	84"	42"	N/A
1	Cincinnati Horizontal Boring Mill	144"	120"	36"	N/A

5 Axis Laser

		X	Y	Z
1	Robel 1200 watt CO2 Casss IV	120"	90"	45"

5 Axis Polishing Mill

		X	Y	Z
1	Arboga	197"	165"	40"

Rail Mills

		X	Y	Z	W
1	CNC Ingersoll Rail Mill	203"	175"	48"	120"
2	Ingersoll Rail Mill	203"	175"	48"	120"

CNC 3 Axis Vertical Milling Machines

		X	Y	Z
4	Pratt & Whitney Wolverine (Master/Slave)	120"	80"	30"
1	Cincinnati Wolverine	120"	80"	30"
1	Burgmeister Vertical Mill	84"	36"	30"

Coordinate Measuring Machines

		X	Y	Z
1	D.E.A. Gantry Type	250"	100"	72"
1	D.E.A. Gantry Type	128"	72"	54"

Horizontal Boring Mills

		X	Y	Z
1	G & L Horizontal Bed Mill	288"	164"	72"
1	G & L Horizontal Bed Mill	247"	120"	72"
1	G & L Horizontal Table Mill	72"	48"	36"

Vertical Milling Machines

		X	Y	Z
4	Cincinnati Vercimill	72"	24"	36"
1	Droop & Rein Copy Mill	75"	38"	36"
1	Cincinnati Tape Mill	80"	32"	18"
3	Cincinnati Milling Machines	72"	32"	16"
6	Miscellaneous Toolroom Mills			
1	Jig Boring Machine			

Grinding Equipment

2	Blanchard Grinders 60" Chuck
1	Mattison Surface Grinder 24" X 72"
25	Various Surface Grinders up to 8" X 24"
5	Knee Grinders
1	Moore #3 Jig Grinder

Die Services International Equipment List

Drilling Equipment

- 2 KauKauna Horizontal Drills 216" capacity
- 1 Carlton Radial Drill 10' Arm 19" Column
- 4 Carlton Radial Drills 8' Arm 19" Column
- 1 Cincinnatti Radial Drill 6' Arm 18" Column
- 23 Drill Presses

Turning Equipment

- 4 Lathes up to 30" diameter swing

Overhead Cranes	Capacity
8 P&H Overhead Crane	30/15
1 Northern Overhead Crane	30
1 P&H Overhead Crane	30
3 Northern Overhead Crane	25
3 P&H Overhead Crane	20
2 Northern Overhead Crane	20
1 Northern / P&H Overhead Crane	20
4 P&H Overhead Crane	10
1 Michigan Overhead Crane	5
1 P&H Overhead Crane	5

Additional Miscellaneous Equipment

- 3 Class A panel inspection rooms (Green rooms)
- 2 Complete Welding Deptments for MIG, TIG, & Plasma Cutting Applications
- 1 Underground Auger System for chip removal
- 1 Complete Layout Facility with Portable CMM capability up to 244"
- 1 Complete wood pattern shop
- 1 Complete Cutter Grinding Department
- 1 Gas Welding and Cutting Department with up to 8"thickness line burning capacity
- 1 Machine Repair Deptment with separate toolroom
- 7 Ingersoll Rand Reciprocating Air Compressors
- 1 Ingersoll Rand Rotary Screw Air Compressor 350 H.P.
- 1 Ingersoll Rand Air Dryer
- 3 Lamina Hydraulic Drills
- 3 Hydraulic Die Separating Units