

# THE DREAM MACHINE



500 TON SHEAR / BALER / LOGGER

**AFFORDABLE, PRODUCTIVE, EFFICIENT**

**SHEAR:** #1, Beams, Pipe, Plate, Foundry, Automobiles

**BALE:** Clips, Sheet Iron, White Goods, Other #2

**LOG:** Sheet Iron, Appliances, Automobiles

**HIGH PRODUCTION**  
**LOW MAINTENANCE**  
**PLC CONTROLS**  
**AUTOMATIC CYCLES**



**INTERNATIONAL  
MACHINERY**

1620 East Brundage Lane  
Bakersfield, CA 93307  
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# IDROMEC 500 TON SHEAR / BALER / LOGGER

## TECHNICAL SPECIFICATIONS

**Power:** (1) 125 hp electric motor, 1750 rpm  
440-480 volts, 3 phase, 60 cycle  
Total maximum amperage draw 180 amps  
Master electrical panel located on operators cab  
PLC controls  
Manual and automatic cycles  
Automatic shearing, baling and logging cycles

**Hydraulic:** (1) Rexroth variable displacement pump  
109 gallons per minute  
(1) Denison double vane type pump  
100 gallons per minute  
Maximum operating pressure 4500 psi  
100% filtration with 40 micron filters  
Complete system relief protection  
Directional valves electronically operated  
Hydraulic oil cooling and heating  
700 gallons hydraulic tank  
Auto-lube for shear head and pre-compression

**Cylinders:** Shear, 11" chrome rod  
Pre-compression, 5 3/4" chrome rod  
Main compression, 7 1/2" chrome rod  
Folding Box, 4" chrome rod

**Cylinder Forces:** Shear, 500 tons  
Pre-compression, 82 tons  
Main compression, 163 tons  
Folding box, 6 cyl., 210 tons each side

**Folding Box Dimensions:** 19' 8" x 6' 8", open  
19' 8" x 24" x 20", closed  
Shear throat 22" x 26"

**Bale Size:** 20" x 24" x variable  
**Bale Density:** 75-90 lbs/cubic ft. average  
**Bale Weight:** 750 lbs average

**Log Size:** 20" x 24" x variable  
**Log Density:** 25-35 lbs/cubic ft. average  
**Log Weight:** 1200 lbs average

**Shearing Capacity:** 8 cuts per minute empty  
4 cuts per minute at 24" cuts

**Standard Features:** Pre-load table  
Pre-compression  
Spare parts and tool package  
Installation and training

**Others:** 50' maximum length, 20' maximum width  
Weight, approx. 62 tons

## SIERRA INTERNATIONAL MACHINERY, INC.

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**PRODUCTION:**

**SHEARING:**  
12-16 Tons/Hour

**BALING:**  
11-13 Tons/Hour

**LOGGING:**  
14-15 Tons/Hour