

BETENBENDER

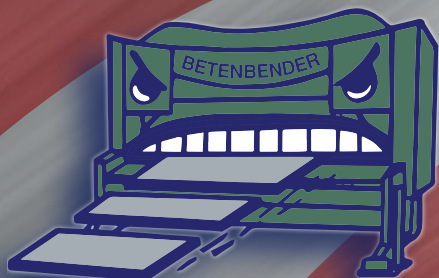
Manufacturing, Inc.

AMERICAN MADE WITH PRIDE & DURABILITY

C Frame Presses



*The Betenbender Family of American Made
Hydraulic Shears and Press Breaks
Since 1972*



Located in Coggon, Iowa

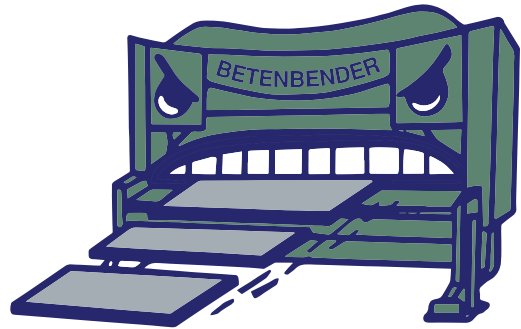
Also on the Web at
www.betenbender.com

HMI
Hydraulic Machines of Iowa

Shears

Press Brakes

C Frame Presses



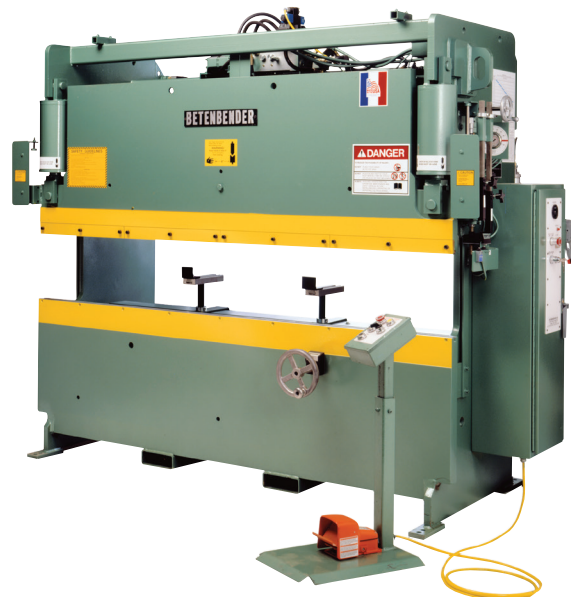
If you're not already a customer of Betenbender Manufacturing, Inc. we welcome you as a future owner of an American made Betenbender Hydraulic Shear, Hydraulic Press Brake or C Frame Press. If you've purchased one before, we welcome you back. We are pleased that our customers come back again and again, as they grow and need more equipment.

Our full range of Hydraulic machines are engineered for simplicity and ease of operation. We have a national and international sales and service team ready to serve you.

Since 1972 we have continually updated our designs and equipment to meet our customers' needs. We always appreciate and welcome feedback from our customers.

Max Betenbender

-Max Betenbender, President



ABOUT US



1971



2014

Family Tradition and American Pride

ABOUT US

Our History

The Betenbender Family of American Hydraulic Shears and Hydraulic Press Brakes is made by Betenbender Manufacturing, Inc. in Coggon, Iowa, U.S.A. Now in our fifth decade in business, our Midwestern Company continues to produce what we believe is America's best built Shears and Press Brakes.

Glen (Pete) Betenbender began as a blacksmith in Coggon during the 1930s. During WWII, he ran a small fabrication and repair shop. In 1948 he and his wife, Blanche, moved their growing business into their current location as a repair and manufacturing facility. Their son, Max, joined the company in 1967 after serving in the United States Army. In 1972, Pete and Max built their first shear for their own use, but demand from other local businesses for their shear prompted the Betenbenders to begin producing shears for national and international resale. In 1984 Betenbender Manufacturing, Inc. got its first contract to produce shears for a major company.

In 2012, Betenbender Manufacturing, Inc. purchased Hydraulic Machines, Inc. from long time friends, Alan and Whitney Hanner. Under the HMI (Hydraulic Machines of Iowa) name we offer a line of C frame presses ranging from 35 ton to 200 ton.

Betenbender Manufacturing, Inc. continues to be a family owned business. Today Max is President and his wife, Donna, is the corporations Secretary-Treasurer. The Vice President, Kyle Rawson, handles the operation of the manufacturing facility which includes customer service and fabrication.

Today there are over 3,900 Betenbender machines in use with very few on the used market.

We have always said...



This Betenbender Shear, one of our first machines- built in 1972, is still in operation!



High Profile Shear - 2004

“If it says Betenbender on the nameplate, you’ve got a machine that will do the job.”



HMI offers the most versatile C-Frame press or punch of all machines available today. The extra large throat depth and height not found on many machines allows for an unlimited number of uses. The infinitely adjustable stroke from 0" to 8" makes it one of the most valuable and versatile assets for your shop you could have today. Let one machine do the work of several. HMI has designed their press frames to have fewer tons per square inch of pressure on their side plates, thus reducing spring back of the frame. This reduces tooling wear.

Features

- Large heavy duty design of the press frame to limit the deflection.
- Press bed bolted on, not welded, to prevent distortion. Can be easily removed for regrinding or adding more tapped holes.
- Large rectangular tubes used at base of machine to give safe, instant portability. Oil reservoir is located vertically between the side plates to keep the machine's footprint as small as possible.
- Hydraulic system is equipped with a wire mesh strainer on the suction side and a 10 micron filter on the return side to keep the system clean.
- Pump, motor, valve and reservoir are all easily accessible for maintenance.
- Large press bed to accommodate a variety of tooling other than just punching.
- Reservoir filled with oil.
- Lock out - tag out accommodations.
- Operators manual.



**APPROXIMATE TONNAGE REQUIRED
FOR PUNCHING ROUND HOLES IN MILD STEEL (50,000 psi shear strength)
Add 25% for A36 Steel**

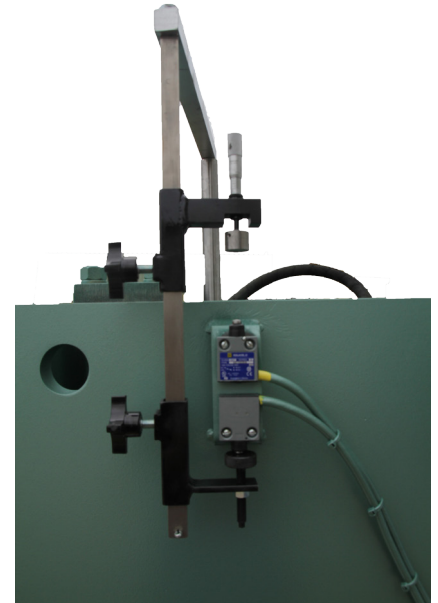
Hole Dia. In Inches	20 GA. .036	18 GA. .048	16 GA. .060	14 GA. .075	12 GA. .105	11 GA. .120	10 GA. .135	3/16 .187	1/4 .250	5/16 .312	3/8 .375	1/2 .500
1/8	.35	.47	.59	.74	1.0	1.2	---	---	---	---	---	---
3/16	.53	.71	.89	1.1	1.6	1.8	2.0	2.8	---	---	---	---
1/4	.71	.94	1.2	1.5	2.1	2.4	2.7	3.7	4.9	---	---	---
5/16	.88	1.2	1.5	1.9	2.6	3.0	3.3	4.6	6.2	7.8	---	---
3/8	1.1	1.4	1.8	2.2	3.1	3.5	4.0	5.5	7.4	9.2	11.1	---
7/16	1.2	1.7	2.1	2.6	3.6	4.1	4.6	6.5	8.6	10.8	13.0	17.2
1/2	1.4	1.9	2.4	2.9	4.1	4.7	5.3	7.4	9.8	12.3	14.8	19.7
9/16	1.6	2.1	2.7	3.3	4.7	5.3	6.0	8.3	11.0	13.8	16.6	22.1
5/8	1.8	2.4	2.9	3.7	5.2	5.9	6.6	9.2	12.3	15.4	18.5	24.6
11/16	1.9	2.6	3.2	4.1	5.7	6.5	7.3	10.2	13.5	16.9	20.3	27.1
3/4	2.1	2.8	3.5	4.4	6.2	7.1	8.0	11.1	14.8	18.4	22.1	29.5
13/16	2.3	3.1	3.8	4.8	6.7	7.7	8.6	12.0	16.0	20.0	24.0	32.0
7/8	2.5	3.3	4.1	5.2	7.2	8.3	9.3	12.9	17.2	21.5	25.8	34.4
15/16	2.7	3.5	4.4	5.5	7.7	8.8	10.0	13.8	18.5	23.0	27.7	36.9
1	2.8	3.8	4.7	5.9	8.3	9.4	10.6	14.8	19.7	24.6	29.5	39.4
1 ½	4.2	5.6	7.0	8.8	12.3	14.1	15.8	22.1	29.5	36.8	44.2	58.9
2	5.6	7.5	9.4	11.7	16.4	18.8	21.1	29.5	39.3	49.1	58.9	78.5
2 ½	7.1	9.4	11.7	14.7	20.5	23.6	26.4	36.8	49.1	61.4	73.6	98.2
3	8.5	11.3	14.1	17.6	24.6	28.2	31.7	44.2	58.9	73.6	88.4	118
3 ½	9.9	13.1	16.4	20.5	28.8	32.7	37.0	51.5	68.7	85.9	103	137
4	11.3	15.0	18.8	23.5	32.8	37.6	42.2	58.9	78.5	98.2	118	157
4 ½	12.7	16.9	21.2	26.4	37.0	42.4	47.5	66.3	88.4	110	133	177
5	14.1	18.7	23.5	29.3	41.1	47.1	52.8	73.6	98.2	123	147	196

**To obtain tonnage required for punching round holes in mild steel multiply as follows:
3.1416 x Diameter of Hole x Material Thickness x 25 = Punching Tonnage Required for One Hole**

This line of hydraulic machines offers the best value in any line of punching equipment today! With a wide range of tonnages, throat heights, throat depths and stroke length, there is a machine to fit your needs!

STANDARD FEATURES

- 2 Hand Controls
- Bolt on Table
- Auto Return to Top of Stroke
- All Hydraulic Fluids
- NEMA Electrics
- Disconnect Switch
- All Steel Construction



OPTIONS

- Punch Kit: Includes Punch Stem, Coupler Nut, Die Holder & Wrench
- Ram Adapter
- Hairpin Guarding
- Foot Switch with Keyed Foot / 2 Hand / Jog Selector Switch
- Special Open Heights, Throat Depths & Stroke Lengths Available



HMI SPECIFICATIONS

A	Throat Depth	D	Bore
B	Throat Height	E	Tonnage @ 2500 PSI
C	Stroke Length	F	Hydraulics (GPM)

MODEL	A	B	C	D	E	F	HP	Wt.**
3514	14	18	8	6	35	9	10	4,800
5014	14	18	8	7	48	9	10	5,900
6014	14	18	8	8	62	11	15	8,100
8014	14	18	8	9	79	11	15	9,300
10014	14	18	8	10	98	18	20	11,500
12014	14	18	8	11	118	18	20	13,750
14014	14	18	8	12	141	18	20	16,000
16514	14	18	8	13	165	18	20	19,000

Please Note:
ALL measurements
and weights may
vary from the
figures given in
this Specification
Chart.



All dimensions are in inches unless otherwise noted.
 (To convert to centimeters multiply by 2.54)

Engineering data and dimensions are subject to change without notice due to continuing product development.



Foundation plans are available upon request.

**ESTIMATED WEIGHTS. The weight of your machine may vary from the estimated weight listed here. Weights may vary according to options included.

HP	AMPS	
	208/230	460
10	28	14
15	39.6	19.3
20	52	26

THANK YOU

Serial Numbers & Oil Information

Model No.	Serial No.
BETENBENDER MANUFACTURING, INC.	
	5806 Quality Ridge Rd PO Box 140 Coggon, IA 52218 319-435-2378 www.betenbender.com
	
WE RECOMMEND THE FOLLOWING LUBRICANTS:	
Hydraulic Oil.....Mobil DTE 25 Grease Points.....Lubriplate 930-AA	
AMERICAN MADE WITH PRIDE AND DURABILITY SINCE 1972	
For Mobil product information, please call 1-800-662-4525	



An International System



No matter where you are, there is a Betenbender Manufacturing, Inc. representative available.

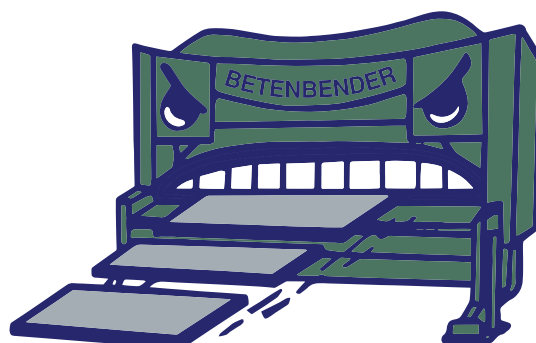
Our full line of American-Made Hydraulic Shears, Press Brakes, and C Frame Presses are represented by statewide dealers and serviced by regional distribution and service offices.

International dealers -- we ship and market worldwide.

Call to find out who your personal representative is -- **319-435-2378**

Or email -- **sales@betenbender.com**

Or visit our website -- **www.betenbender.com**



All machines are made in the heartland of the USA in Coggon, Iowa