



Conklin Metal Industries

BETENBENDER HYDRAULIC PRESS BRAKE Model 10-50, 10' x 50 TON

SPECIFICATIONS:

Maximum Tonnage	50 Tons
Bed Length	120"
Max 16ga length using 1/2" die ..	120"
Max 14g length using 3/4" die	120"
Max 10g length using 1-1/4" die..	88 "
Maximum Stroke Length	8 "
Open Height	14"
Closed Height	6"
Throat Depth	8"
<u>Distance Between Housings</u>	102-1/2"
Ram Repeatability	+/- .002"
Hydraulic Pressure	2500 lbs.
Hydraulic Oil Capacity	31 Gallons
Machine Weight	11,000 lbs.
Machine Dimensions:	
Overall Height	104 "
Overall Length	135 "
Overall Width	45 "
Bed Height	28 "
Motor Horsepower	10



50-70T

ACCURACY

Every Betenbender machine is thoroughly inspected and tested.

- 1.Parallelism is maintained between bed and ram or at preset angle by using precision automatic leveling controls. Parallelism is maintained at +/- .002" in low speed.
- 2.The ram bottom reversal point is controlled by precise limit switches referenced off the bed. This isolates housing deflections, which can interfere with its accuracy.

ENHANCED PRODUCTIVITY

Return speed and rapid advance facilitates high cycle rates.

Operator control is simplified by slow and press speed, thus work spoilage is avoided. Rapid advance with automatic change. The point of speed change is fully adjustable by electric limit switch. Micrometer type tilt adjustment is graduated in .001" increments permitting ram tilt adjustments up to 1/2" in either direction.

ELECTRO MECHANICAL STROKE CONTROL is bed referenced.

Bottom limit is manually set with a lead screw and displayed by an mechanical readout calibrated in .001" increments.

VERSATILITY

BETENBENDER press brakes have long full tonnage strokes, adjustable length and selectable speed combinations, adjustable height for short stroke, 2-speed standard and the optional 3- speed for adjustable low speed to prevent whip.

ELECRICAL EQUIPMENT

Meets requirements of NFPA no.79, JIC and construction requirements of the latest ANSI B-11.3 Standards. Includes drip-proof, continuous duty 45 degree Celsius ambient hydraulic pump motor wired for 230 or 460 volt, 3 phase 60 hertz.

DEPENDABILITY

Self-lubricating replaceable non-metallic ways prevent galling and provide long service life. Cylinders are high strength, all steel. To minimize wear and provide a superior oil seal, inside cylinder surfaces are honed to a mirror finish.

Compact, precision machined aluminum manifold incorporates off-consolidates "O" ring mounted valves.

Quiet, vane type, constant volume pumps. In keeping with good hydraulic design practice, these energy efficient pumps are located outside the reservoir.

Filtration of contaminants as small as 10 microns is accomplished with intake and discharge filters. A built-in magnetic trap and air breather filter provides added protection against contaminants. Reservoir of large capacity facilitates effective heat dissipation. A fluid level gauge is provided.

CONTROL

Main Control Cabinet - NEMA 12 enclosures mounted in the right housing containing: magnetic non-reversing motor starter and 120 volt circuit. the shelf components, minimizes piping and

Main motor START button and STOP button are illuminated.

RAM UP and RAM DOWN buttons.

RUN/JOG Switch.

Fusible disconnect.

MAINTENANCE

Clevis mounted cylinders eliminate cylinder binding by reducing the possibility of oil leaks from cylinder binding. (Pins & bushings do not rotate under load, this reduces excessive wear)

STANDARD EQUIPMENT

Clamp Type Back-gauge-Manual

Adjustable X,Y,Z

NEMA Electrics

All Hydraulic Fluid Included

American Made Motor

Hour Meter

Lifetime Telephone Support @ No Charge

Bottom Time Delay

Three Position Foot Pedal

Depth Stop w/Digital Readout

All Steel Construction

Disconnect Switch

Two-Speed Ram

All Components Available from

Local Suppliers

BETENBENDER Model 10-50, 10' x 50 Ton (102-1/2" Between Housings)

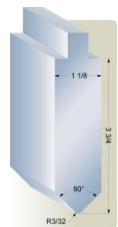
- Hydraulic Press Brake
- 24" Support Arms "Slide Type".(pair).....
- Work Light
- One Shot Lubrication
- 4-Way Die Rollover Bars

OPTIONAL

- Manual Front Reading Backgauge (24") w/Mechanical Readout
- *Please See Attached Sheet for Other Optional Equipment*

TOOLING - ST225-10 4-Way Die Tooling Package

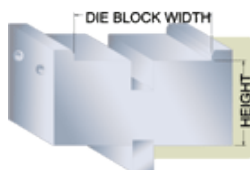
- (1) U4-10 Punch Modified to 0.047" Nose Radius @ 85° x 120"
- (1) 2-1/4" Square Four Way Die With Openings of 1/2", 3/4", 1" & 1-1/4", - All @ 85° x 120"
- (1) BA-2 Four Way Die Holder With 2" Net Height x 120"



U-4 Punch



L4W225 4-Way Die



BA-2 Die Holder

