

Clausing METAL MUNCHER

600Group

*5 Station Fabrication Centers,
Punch Presses and Twin Punch
Presses with Capacities from
40-tons through 135-ton standard*



AHB
TOOLING & MACHINERY

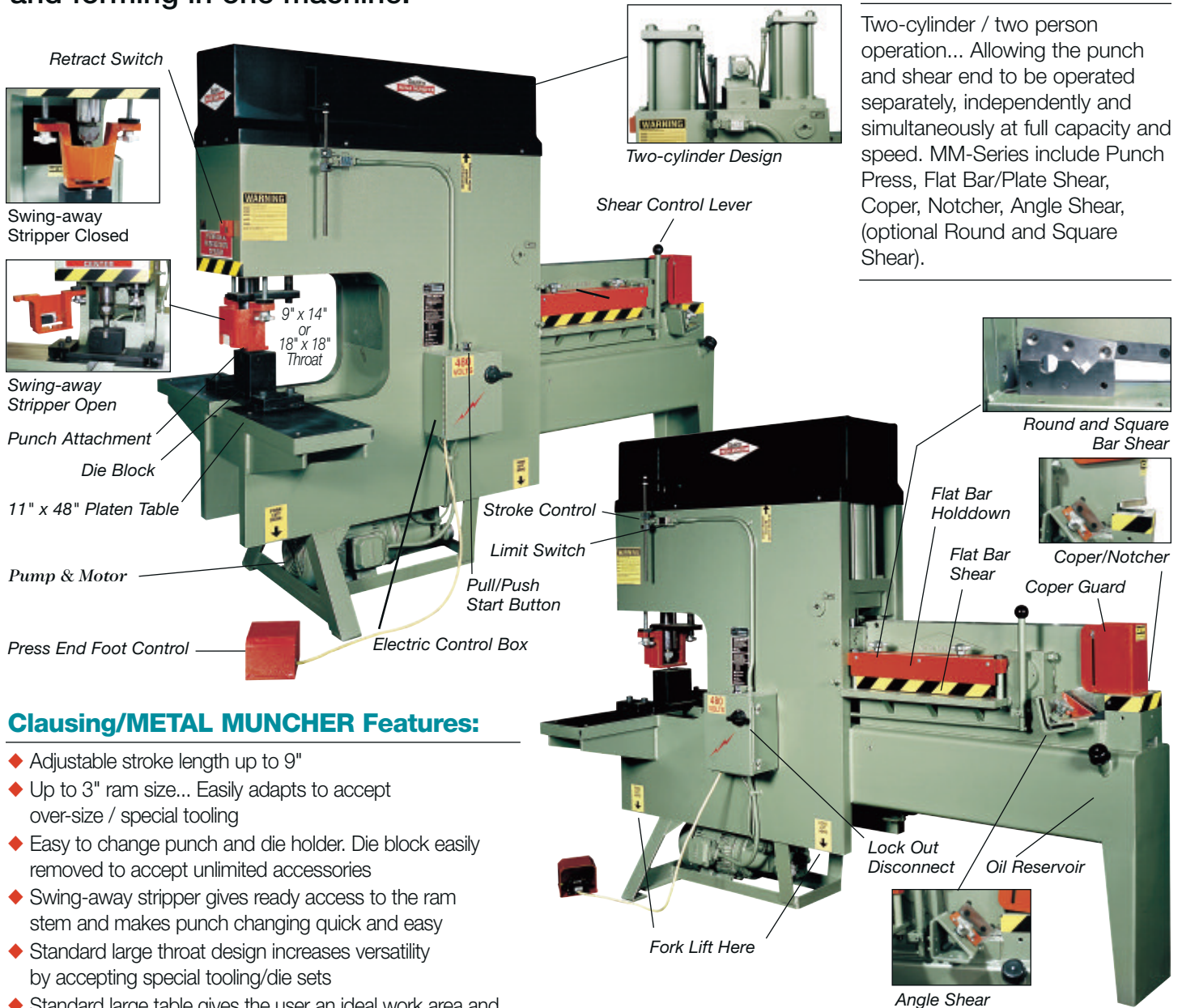
COMPLETE METALWORKING SOLUTIONS
(800) 991-4225 www.ahbinc.com
ISO Certified customerservice@ahbinc.com

- Quality American Made
- Unbeatable Versatility
- Two-Cylinder/Two-Person Operation
- Multi-Stations
- Custom Built Machines to Meet Your Application Need

MM Series: Complete 5-Station Fabrication Center

Clausing/METAL MUNCHER gives you the features you need...

Punching, Shearing (Round, Square, Angle, Flat Bar), Coping, Notching and forming in one machine.



Clausing/METAL MUNCHER Features:

- ◆ Adjustable stroke length up to 9"
- ◆ Up to 3" ram size... Easily adapts to accept over-size / special tooling
- ◆ Easy to change punch and die holder. Die block easily removed to accept unlimited accessories
- ◆ Swing-away stripper gives ready access to the ram stem and makes punch changing quick and easy
- ◆ Standard large throat design increases versatility by accepting special tooling/die sets
- ◆ Standard large table gives the user an ideal work area and accepts up to a 48" brakeset and large special tooling
- ◆ All work stations are at approximately the same height, for ease in material handling
- ◆ Press cylinder is foot pedal activated... (Rear electric foot control for shear end available)
- ◆ Includes complete electrics... 220/440v standard, other voltages available at additional cost by request
- ◆ Comes complete with hydraulic oil... ready to operate. Lubrication points are marked and easily accessible

Special Capacity Optional Feature:

- ◆ Hy-performance blade to increase flat bar shearing capacity
- ◆ Speed-up kit increases ram speed on press and shear end cylinder
- ◆ Adjustable tonnage control feature available

Features differ on 40 ton models

Quality and Strength Unsurpassed in the Industry.

Clausing/METAL MUNCHER has earned a spot at the top with over 30 years of excellent performance and durability. While others made claims, Clausing/ METAL MUNCHER units were busy proving themselves where it really counts... on the workshop floor. The many years of on-the-job experience have resulted in design improvement and operating features that assure maximum productive performance and operator safety. No other ironworker offers the smooth, trouble-free performance that has made Clausing/ METAL MUNCHER the hallmark of the industry. Couple the equipment performance with an after-the-sale attitude second to none, and you have the finest, most versatile hydraulic metal fabricating tools available.

GB/DB Series: Gap-Bed Hydraulic Punch Press

GB Series Hydraulic Punch Press

Clausing/METAL MUNCHER GB series is ideal as a dedicated Punch Press, but easily accepts a wide range of standard and optional accessories or can be fitted with special tooling to allow shearing or forming. The GB Series is a great buy for any shop that needs a solid, dependable, dedicated Punch Press, yet needs the ability to expand the capabilities of a press to allow shearing or forming for special jobs. Available in 40-ton through 135-ton standard models, the 40-ton machine has a 7" x 9" throat and 70-ton, 100-ton and 135-ton machines come standard with a 9" x 14" or a 18" x 18" throat. For a dependable Punch Press that will give you years of reliable service the Clausing/METAL MUNCHER GB series should be your first choice.

DP Series Twin Hydraulic Punch Press

Double your production with Clausing/METAL MUNCHER DP series. Two Hydraulic Punch Presses, back-to-back, operated from a single power source. Each Punch Press has a separate control to allow independent and simultaneous two person operation at full capacity and speed. Each Press can be set-up with different tooling to perform separate operations.

Punch Press Optional Accessories:

- ◆ Heavy Duty Gauging Table
- ◆ Press Production Table
- ◆ Structural Die block
- ◆ Standard 4-Way Brake Set
- ◆ Special Brake Die Holder
- ◆ Pipe Notcher
- ◆ Pipe Shear
- ◆ Channel Shear
- ◆ Mitering Angle Shear
- ◆ Rod Shear
- ◆ Spear Point (Picket) Tooling
- ◆ Adjustable Work Support Roller
- ◆ Over-sized 28XX & special Punches and Dies



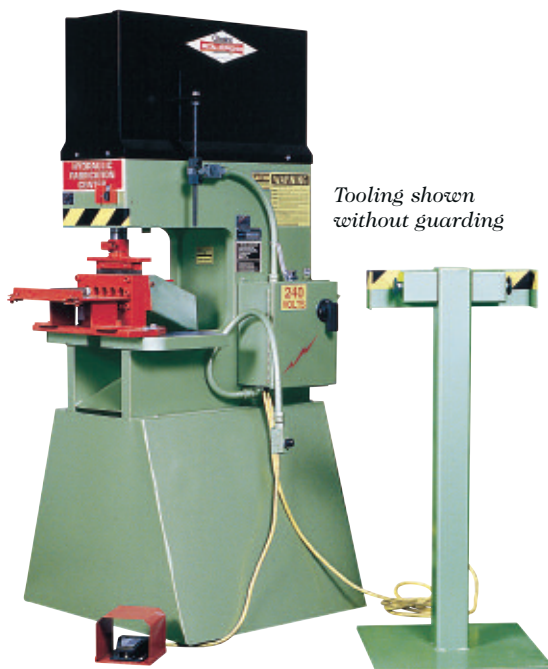
Custom Built Machines: Designed for Your Specific Applications

Custom Built Fabrication Centers and Punch Press

Clausing/METAL MUNCHER Fabrication Center and Hydraulic Punch Press can be designed and fitted with special tooling or customized for fabrication equipment for your specific applications.

Clausing/METAL MUNCHER will work with your engineers to help design tooling or a fabrication package that will produce the highest quality work pieces.

The special designed machine, shown to the left, is a GB series Punch Press, mounted with a custom designed 5 piece tube shear for cutting off inflaters on air bag mounting tubes.



*Tooling shown
without guarding*

Fabrication Center: Specifications

Rated on mild steel
(65,000 psi tensile)

Model	MM40	MM70A	MM70A18	MM100A	MM100A18	MM135A	MM135A18	
Throat Depth	7"	9"	18"	9"	18"	14"	18"	
Open Height	9"	14"	18"	14"	18"	14"	18"	
Stroke Length	4½"	7"	9"	7"	9"	7"	9"	
Ram Shaft Diameter	2"	3"	3"	3"	3"	3"	3"	
Strokes Per Minute	40@½	40@½	40@½	35@½	35@½	28@½	28@½	
Platen Table Size (D x W)	10" x 21"	11" x 48"	11" x 48"	11" x 48"	11" x 48"	11" x 48"	11" x 48"	
Work Station Height (approx.)	34¼"	30"	30"	30"	30"	30"	30"	
Punch (hole dia. thru material thickness)	40 ton	70 ton	70 ton	100 ton	100 ton	135 ton	135 ton	
Max. Hole thru Material	⅞" thru ½"	⅞" thru 1"	⅞" thru 1"	1⅜" thru 1"	1⅜" thru 1"	1⅜" thru 1"	1⅜" thru 1"	
Max. Hole (with special tooling)	2" thru ¼"	4½" thru ⅜"	4½" thru ⅜"	5" thru ¼"	5" thru ¼"	4½" thru ⅜"	4½" thru ⅜"	
Plate Shear (with optional 5" Short Blade)	14" 19" ⅝" x 6" ½" x 8" ¼" x 13" -	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"	24" - 1" x 7" ¾" x 12" ⅜" x 20" ¼" x 24"
Angle Shear (optional angle shear 90°) (optional angle shear 45°)	3" x 3" x ⅝" - -	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"	4" x 4" x ⅜" 6" x 6" x ½" 5" x 5" x ½"
Bar Shear*								
Round	1"	¼" to 1⅜"	¼" to 1⅜"	¼" to 1⅜"	¼" to 1⅜"	¼" to 1⅜"	¼" to 1⅜"	
Square	1"	¼" to 1¼"	¼" to 1¼"	¼" to 1¼"	¼" to 1¼"	¼" to 1¼"	¼" to 1¼"	
Coper Notcher	2½" x 2¾" x ⅝"	3" x 3" x ⅜"	3" x 3" x ⅜"	3" x 3" x ⅜"	3" x 3" x ⅜"	3" x 3" x ⅜"	3" x 3" x ⅜"	
Hydraulic Pump GPM	4	7.5	7.5	7.5	7.5	7.5	7.5	
PSI	4,000	3,700	3,700	4,000	4,000	3,500	3,500	
Motor (230/460v. 3ph)**	5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	
Dimensions:								
Width	21"	48"	48"	48"	48"	48"	48"	
Length	60¼"	73⅝"	97⅝"	76⅝"	97⅝"	76⅝"	97⅝"	
Height	65½"	68¼"	78¼"	69¼"	80¼"	74¾"	79¼"	
Weight	2,200 lbs	4,100 lbs	6,100 lbs	4,800 lbs	7,100 lbs	7,500 lbs	8,500 lbs	

* Standard on 40 ton machine, optional on 70, 100 & 135 ton machines unless ordered with machine in place of standard flat bar blade. Total plate shearing capacity is 16% with round and square blade.

** Optional 208v. available. Tonnage will be derated approximately 10% with 208v., single phase, or phase convertor.

Punch Press: Specifications

Rated on mild steel
(65,000 psi tensile)

Model	GB40	GB70	GB7018	GB100	GB10018	GB135	GB13518
Throat Depth	7"	9"	18"	9"	18"	14"	18"
Open Height	9"	14"	18"	14"	18"	14"	18"
Stroke Length	4½"	7"	9"	7"	9"	7"	9"
Ram Shaft Diameter	2"	3"	3"	3"	3"	3"	3"
Strokes Per Minute	40@½	40@½	40@½	35@½	35@½	28@½	28@½
Platen Table Size (D x W)	10" x 21"	11" x 48"	11" x 48"	11" x 48"	11" x 48"	11" x 48"	11" x 48"
Work Station Height (approx.)	34¼"	30"	30"	30"	30"	30"	30"
Punch (hole dia. thru material thickness)	40 ton	70 ton	70 ton	100 ton	100 ton	135 ton	135 ton
Max. Hole thru Material	⅞" thru ½"	1" thru ⅞"	1" thru ⅞"	1⅜" thru 1"	1⅜" thru 1"	1⅜" thru 1"	1⅜" thru 1"
Max. Hole (with special tooling)	2" thru ¼"	4½" thru ⅜"	4½" thru ⅜"	5" thru ¼"	5" thru ¼"	4½" thru ⅜"	4½" thru ⅜"
Hydraulic Pump GPM	4	7.5	7.5	7.5	7.5	7.5	7.5
PSI	4,000	3,700	3,700	4,000	4,000	3,500	3,500
Motor (230/460v. 3ph)**	5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	7.5 Hp	7.5 Hp
Dimensions:							
Width	21"	48"	48"	48"	48"	48"	48"
Length	22⅞"	30"	52½"	30⅞"	52½"	30⅞"	52½"
Height	65½"	68¼"	78¼"	69¼"	80¼"	74¾"	79¼"
Weight	1,800 lbs	2,600 lbs	4,600 lbs	3,000 lbs	5,300 lbs	6,200 lbs	7,000 lbs

** Optional 208v. available. Tonnage will be derated approximately 10% with 208v., single phase, or phase convertor.

All specifications subject to change



Your Single Source for Machine Tools

Clausing Precision Drills

- Clausing Belt-drive Drills
- Clausing Geared-head Drills
- Clausing Radial Drills

Clausing Precision Mills

- Clausing Bed Mills
- Clausing CNC Bed Mills
- Clausing Knee Mills
- Clausing CNC Knee Mills

Clausing Precision Lathes

- Clausing/Colchester Geared Head Lathes
- Clausing/Colchester Professional V.S. Lathes
- Clausing Large Swing Standard and CNC Lathes
- Clausing/Metosa Standard Lathes

Clausing Precision Grinders

- Clausing Manual Grinders
- Clausing 2 Axes Hydraulic Grinders
- Clausing 3 Axes Hydraulic Grinders
- Clausing ASDII Automatic Grinders

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- Clausing/Kalamazoo Horizontal Bandsaws
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- Clausing/Kalamazoo Tilt Frame Miter Bandsaws
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