

## Hydraulic Press Solutions for Every Application



## Bench Presses: 1-20 tons

We offer a complete line of hydraulic bench presses ideal for bench top mounting. Our W7A series bench press covers applications from 1 to 3 tons, while our M6P series bench press covers applications up to 20 tons. Whether you provide the bench, or we supply one for you, these compact but powerful bench top hydraulic presses can be used for a wide range of applications such as assembly, forming, and stamping. While our standard model sizes are very popular, our engineers can work with you on special applications.

### W7A Series: 1 to 3 tons

- » Pressure regen (fast approach until work is contacted)
- » PLC with 12 I/O
- » Standard NFPA cylinder
- » Double gear pump mounted out of the oil for ease of service
- » Pressure switch reversal with adjustable dwell down timer
- » Open drip proof motor
- » NEMA-4 enclosure (no disconnect)
- » Dual Opto-Touch controllers (anti-tie-down)
- » Selector switch for jog up, jog down, run
- » 3" U-slot in bed
- » Available to operate with 230/460 volts, three phase, 60 Hz or 110 volts, single phase, 60 Hz
- » 24 volt controls



Model No.	Tonnage	Advance, IPM	Press, IPM	Return, IPM	Daylight	Stroke	Throat Depth	Bed Size
W6A-1	1	600	120	480	12"	6"	4.5"	11.375" x 9"
W6A-2	2	450	70	400	12"	6"	4.5"	11.375" x 9"
W6A-3	3	275	40	260	12"	6"	4.5"	11.375" x 9"

### M6P Series: Up to 20 tons

- » Pressure regen (fast approach until work is contacted)
- » PLC with 12 I/O
- » Standard NFPA cylinder
- » Vane pump mounted out of oil for ease of service
- » NEMA-4 enclosure (no disconnect)
- » Dual Opto-Touch controllers (anti-tie-down)
- » Open drip proof motor
- » Selector switch for jog up, jog down, run
- » 230/460 volts, 3 phase, 60 Hz operating voltage
- » 24 volt controls



Model No.	Tonnage	Advance, IPM	Press, IPM	Return, IPM	Daylight	Stroke	Throat Depth	Bed Size
M5P-6	6	430	210	415	18"	12"	6.5"	14" x 12.5"
M5P-8	8	440	165	270	18"	12"	6.5"	14" x 12.5"
M5P-12/15	12	420	165	270	18"	12"	7.5"	17" x 14.5"
M5P-20	20	216	106	208	18"	12"	9.5"	20" x 16.5"

## Floor Model Presses: 20-300 tons

**MULTIPRESS' FM series floor model C-frame presses deliver high force while maintaining a small compact footprint. Compared to its smaller bench sized cousins, the floor model presses offer a larger die space area, and output force ranges from 20-300 tons.**

- » Available in Single Pump "FMS" style
- » Double Pump "FMD" style (faster approach speed, lower horsepower)
- » Adjustable pressure from 20% to 100%
- » Adjustable stroke
- » Speed change limit switch
- » PLC with 16 I/O
- » Electric jog control for setup
- » Standard NFPA cylinder
- » Vane pump mounted out of oil for ease of service
- » Manifold mounted valves
- » Open motor
- » NEMA-12 control cabinet
- » IEC fused disconnect
- » Dual pushbuttons- anti tie down
- » Pressure reversal of ram
- » 230/460 volts, 3 phase, 60 Hz



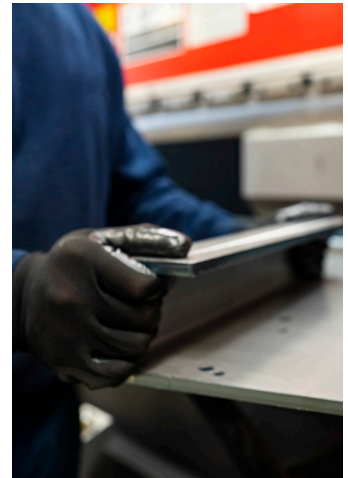
FMS / FMD Models	FM-20	FM-30	FM-40	FM-50	FM-75	FM-100	FM-150	FM-200			
<b>Max Tonnage</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>150</b>	<b>200</b>			
FMS Ram Speeds											
Advance, IPM	740	515	495	320	260	220	190	120			
Press, IPM	290	250	220	160	125	110	85	60			
Return, IPM	475	495	395	330	235	210	150	125			
Horsepower, 1800 RPM	20	25	30	30	40	40	50	50			
FMD Ram Speeds						A*	B**	A*	B**	A*	B**
Advance, IPM	940	750	810	715	630	545	390	515	295	365	190
Press, IPM	90	60	100	60	45	45	30	45	20	40	15
Return, IPM	605	720	645	745	560	525	370	410	240	380	200
Horsepower, 1800 RPM	10	10	20	20	20	30	20	40	20	50	20
Reservoir Capacity, gal	85	85	90	90	150	150	200	200			
Shipping Weight, lbs	3,800	4,200	8,500	8,700	9,400	12,100	17,150	19,500			

\*(A) Standard Speed.      \*\*(B) Slower Speed Options Available at Reduced Cost.

## Accessories & Options for Bench & Floor Models

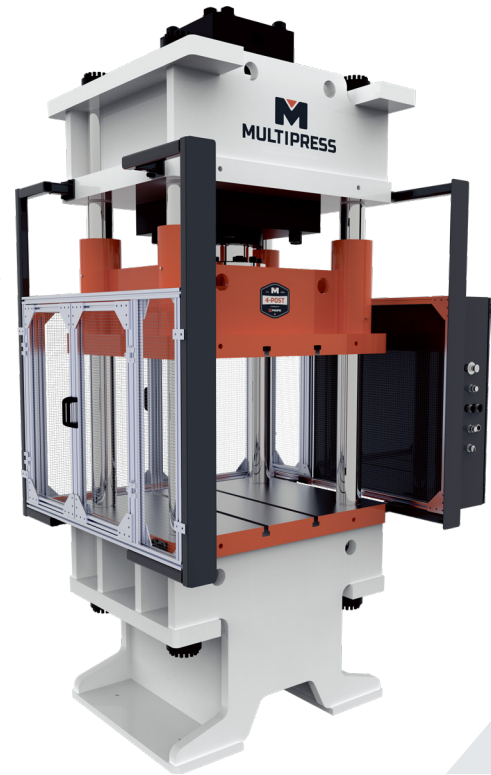
- » Positive stops
- » Bolster plates
- » Guided tool plates/platens
- » Pelleting or compaction accessories
- » Table extensions
- » Bottom knock-out rams
- » Special opening or stroke
- » Safety devices and controls
- » Ergonomic palm buttons
- » Touch screens

**Index Tables** are a popular option furnished with numerous MULTIPRESS machines over the years. Indexers are available with 2, 3, 4, 6, 8, 12, 24 and 32 stations. Our experts can help you determine which indexer is right for you.



## 4-Column Presses

MULTIPRESS offers a wide variety of hydraulic post or 4-column presses ranging from 20 to 1,000 ton capacity. Standard sizes are shown here, but most presses are built to suit the customer's exact requirements. Extremely rugged frame construction to meet demanding production schedules with years of trouble free operation. Small to very large die space and frame designs are offered, as well as appropriate speeds to meet required cycle rates. Presses are available with one or more moving platens (or without platen), die cushions, ejectors, up acting design, indexers, and many other features. Controls range from basic single cycle to complete operator interface offering preset menu selections for all press functions and motions.



Typical Specifications								
Tonnage	Left to Right Between Posts	Front to Back Overall	Daylight	Stroke	HP	Ram Speed, IPM		
						Advance	Press	Return
20	24"	18"	24"	12"	20	749	290	475
30	36"	24"	24"	18"	25	515	250	495
40	36"	24"	24"	18"	30	495	220	395
50	36"	30"	24"	18"	30	320	160	330
75	36"	30"	30"	18"	40	260	125	235
100	36"	30"	30"	18"	40	220	110	210
150	48"	36"	30"	18"	50	190	85	150
200	48"	36"	36"	18"	50	120	60	125
300	60"	48"	36"	18"	75	120	45	75
400	60"	48"	36"	18"	Press speeds and horsepower are quoted to meet customer cycle rate requirements.			
500	72"	60"	36"	18"				
750	72"	60"	36"	24"				
1000	72"	72"	42"	24"				

The above specifications are typical. Please contact MULTIPRESS for a press to meet your exact requirements.



## Industries Served

**MULTIPRESS equipment has been used in thousands of applications for nearly a century. Contact us to learn more about our customization options for your application. Some past examples include:**

**Automotive:** Including exhaust systems, seat belt retractors, windshield wiper blades, air bags, carburetors, fuel injection sensors, gear and bearing assemblies.

**Military:** Such as shell loading and fuse assembly compaction, and case forming and assembly.

**Home Appliance:** Manufacturing electrical parts such as bearings, housings, switches and thermostats used in electrical installations. Additionally, stamping and forming panels for ovens, refrigerators, washing machines, kitchen appliances, and hand power tools.

**Agriculture:** Metal formers and fabricators produce a variety of parts for agricultural needs, including structural components, wear parts, rails, fasteners and clips.

**Aerospace:** Components, such as fasteners. Presses used for forming are often paired with the Sciometric Sig-Pod for QC process signature analysis.

**Medical:** Examples include implantable artificial joints, medical instrument assembly, and for medical batteries and cases.

**Energy Storage:** Including the compaction of fuel cells and blank anodes and cathodes, deep draw for batter cans (steel), stretch forming fuel cells (mask), crimp seals.

**Compacting Materials:** Such as compacting grinding wheels, powered metal parts, glass products, Teflon bearing materials, ceramic products and magnetic material.



## Customized Solutions

**At MULTIPRESS, we have decades of in-house engineering expertise available to create a wide variety of custom press solutions. We understand that every business faces unique challenges when positioning for growth, accuracy, and profitability. In addition to full turnkey press solutions, presses can also be supplied less controls so they can be integrated by the user.**

This example is a 100 ton 4-post servo hydraulic press. Double action press allowed the customer to pre-form the part prior to final coining operation.

In this example of a custom solution by MULTIPRESS, the press at right was one of three presses within an assembly processing line that took sheet stock to create the final product. Robotics were employed to assist in material transfer. Ultimately, the customer was able to improve their process by 300%.

*To learn more about how the experts at MULTIPRESS can create a custom solution for your business, contact us today!*



## Automation Integration

- » Index tables
- » Shuttle tables (manual and powered)
- » Multiple position slides
- » Press to press transfer (in multiple strain rod, station to station with common bed)
- » Chutes
- » Conveyors
- » Pick & Place



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