



MULTIPRESS

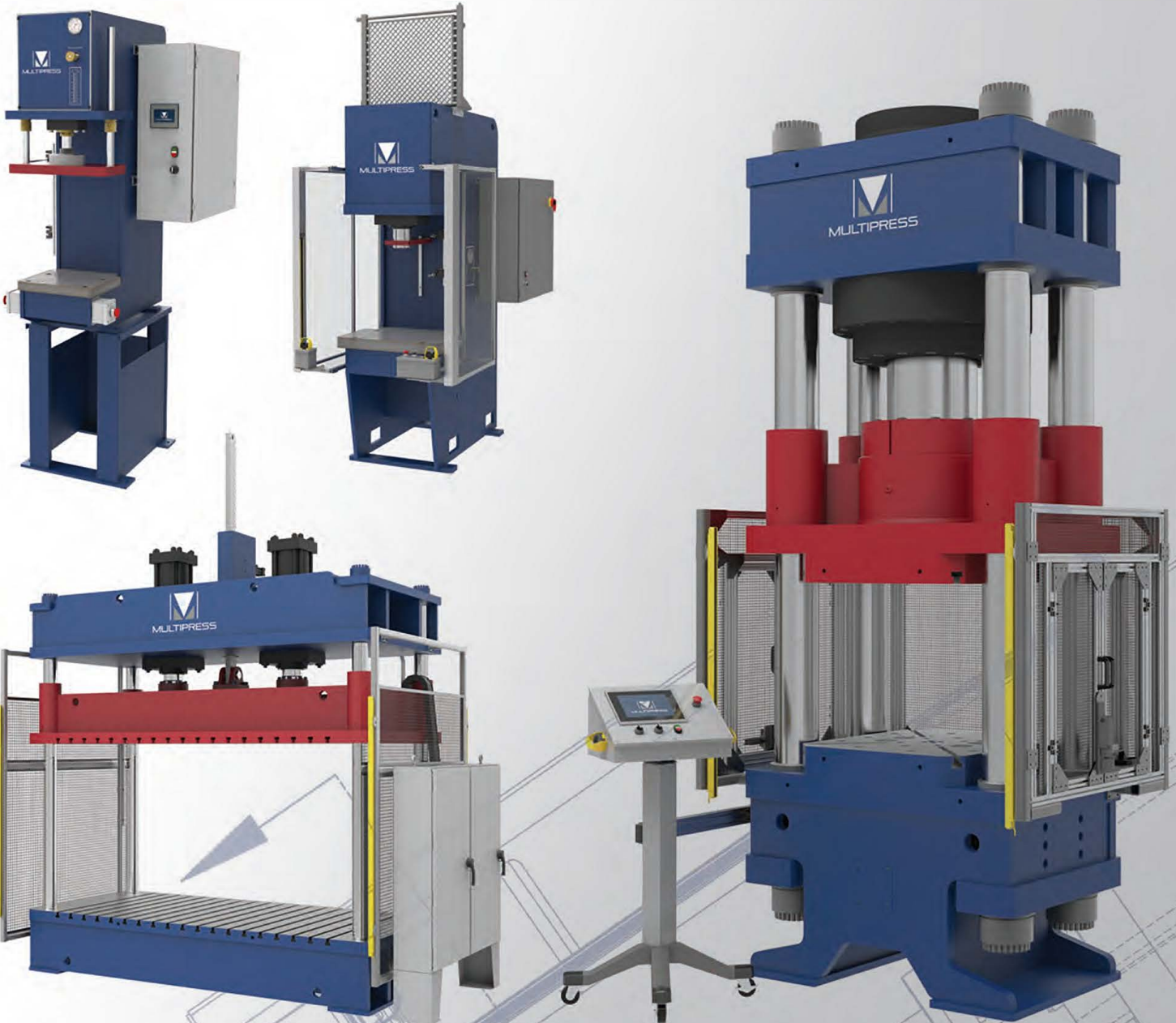


WEST COAST REPRESENTATIVES

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Hydraulic Press Solutions for Every Application



www.multipress.com

Bench Presses: 1-20 tons

- Dual push buttons, pressure reversal
- Available in 1-20 ton capacities
- All adjustments, pressure & stroke positions are easily modified at the operator's position at the front of the press
- Pressure shift speed change- fast approach until work is contacted
- Quality control lower limit switch: Standard on W6A; Optional on M5P.
- U-Slot in bed: Standard on W6A; Optional on M5P
- 230/460 volts, 3 phase, 60 Hz OR 110 volts single phase 60 Hz



Series	Tonnage	Advance IPM	Press IPM	Return IPM	Daylight In.	Stroke In.	Throat Depth In.	Bed Size In.
W6A	1	833	117	671	12	6	4 ½	11 3/8 X 9
W6A	2	468	73	417	12	6	4 ½	11 3/8 X 9
W6A	3	287	47	277	12	6	4 ½	11 3/8 X 9
M5P	6	430	210	415	18	12	7	14 X 11 ½
M5P	8	440	165	270	18	12	7	14 X 11 ½
M5P	12	420	165	270	18	12	8	17 X 13 ½
M5P	15	420	165	270	18	12	8	17 X 13 ½
M5P	20	216	165	208	18	12	10	20 X 15 ½

Servo Hydraulic Presses

In today's competitive market, every business needs to evolve. As your press solution partner, MULTIPRESS has evolved to meet your changing business needs with our Evolution Series of Servo Presses, featuring electro-hydraulic actuators.

Evolution Series

- Energy Efficient—our technology only consumes power on demand, saving costly energy
- Precise—controls position, force and speed with high accuracy
- Robust Design—our sturdy MULTIPRESS frame is paired with a hydraulic hose free design to prevent fluid escape, making our machine suitable for clean environment manufacturing
- Quiet—our electro-hydraulic actuators create high force output while remaining quiet during machine use
- Flexible Programming—programs can be created and saved for future use, saving valuable set-up time
- Frame—designed to fit your application: C-Frame, 2-post, 4-post, vertical or horizontal



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 or Double Pump "FMD" style (faster approach speed, lower horsepower)
- Tonnage adjustable from 20% to 100%
- Adjustable stroke
- Speed change limit switch
- Programmable logic controller
- Electric jog control for setup
- 230/460 volts, 3 phase, 60 Hz
- Standard NFPA cylinder
- Pump mounted out of oil for ease of service
- Manifold mounted valves
- Open motor for quiet operation
- NEMA-12 control cabinet
- IEC fused disconnect
- Banner Opto-touch pushbuttons – anti-tie-down
- Pressure reversal of ram
- Optional distance reversal switch
- Optional 2 or 4-post tool plate assembly
- Optional air-oil heat exchanger



Series	Tonnage	Advance IPM	Press IPM	Return IPM	Hp	Daylight In.	Stroke In.	Throat Depth In.	Bed Size In.
FMS FMD	20	740 940	290 90	475 605	20 10	20	12	12	24 x 21
FMS FMD	30	515 750	250 60	495 720	25 10				
FMS FMD	40	495 810	220 100	395 645	30 20	20	12	12	26 x 21
FMS FMD	50	320 715	160 60	330 745	30 20				
FMS FMD	75	260 630	125 45	235 560	40 20	30	18	14	34 x 25
FMS FMD FMS-SLOW	100	220 545 387	110 46 28	210 523 371	40 30 20				
FMS FMD FMS-SLOW	150	190 512 296	85 43 20	150 410 237	50 40 20	36	18	16	36 x 27
FMS FMD FMS-SLOW	200	120 367 189	60 40 14	125 382 197	50 50 20				

Accessories & Options for Bench & Floor Models

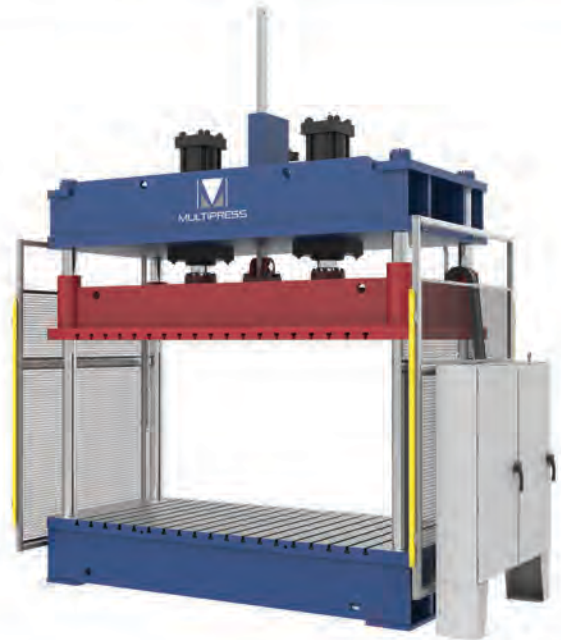
- Positive stop cylinder (repeatable pressing distance)
- Oversized press bed or adjacent
- HMI Screen
- Electronic pressure control
- Electronic speed and position control
- Bolster Plate
- Guided tool plates/platens
- Lower cushion / ejector cylinder
- Special opening or stroke
- Safety devices and controls

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



4 Column Presses

MULTIPRESS offers a wide variety of hydraulic post or 4-column presses ranging from 20 to 1000 ton capacity. Standard sizes are shown below 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 Specification

Tonnage	Left To Right Between Posts	Front To Back Overall	Daylight (in)	Stroke (in)	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, fuse assembly compaction, and case forming and assembly.

Home Appliance: Manufacturing 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: Variety of applications from forming to assembly. Many presses are paired with signature analysis equipment, such as Sciometric's SigPod unit for quality control and traceability.

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

Energy Storage: Including the compaction of fuel cells, blank anodes and cathodes, deep drawn battery cans (steel), stretch formed fuel cells (mask), and crimp seals.

Material Compaction: Such as grinding wheels, powdered metal parts, fiberglass 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 turn key press solutions, presses can also be supplied less controls so that they can be intergrated 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. Sheet stock was fed into cell, sheared to size, and then formed to a finished size. 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

