

METALPRESS

Division of Axiom Machinery Inc.

4 POST SERVO HYDRAULIC PRESS

Precision. Control. Flexibility. Energy Saving.

MTP-SV Series

Environmentally
Friendly Low Energy
Consumption



Servo



metalpressmachinery.com



A NEW STANDARD FOR PRECISION PRESS CONTROL



Four Post Servo Hydraulic Presses Built for Flexible, High-Performance Production

The MetalPress MTP-SV Series servo press is engineered for manufacturers that need precision, flexibility and efficient press control. With its open 4-post design, servo hydraulic drive system and advanced Safety PLC and HMI control options, this press allows operators to quickly adjust setups, improve repeatability and handle demanding production requirements with confidence.

Built with high-quality components and designed for long-term performance, the MTP-SV Series helps improve accuracy, reduce downtime, and support a wide range of tooling and applications.

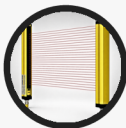


Servo Motor

Eco-Friendly
Energy Efficient



Safety Light Curtains



Advanced PLC Control System



Zero-Force Touch Buttons



Visual Feedback



(519) 624-9987



metalpressmachinery.com

MTP-SV SERIES KEY PRESS FEATURES



ADVANCE CONTROL SYSTEM

01

Our 4 post servo presses are equipped with an advanced Safety PLC control system featuring large color HMI screens and intuitive, easy-to-read graphics. This allows you to monitor all press functions and parameters through a clear, visual interface and make adjustments on the fly with ease. That's what real control looks like.



HEAVY DUTY CONSTRUCTION

02

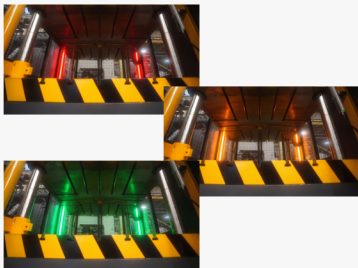
The MetalPress MTP-SV Series is built with a rigid 4-post frame, heavy-duty platen structure, and reinforced press body for demanding industrial production. Its robust construction helps maintain stability, accuracy, and repeatable performance under continuous use.



SERVO DRIVE MOTOR SYSTEM

03

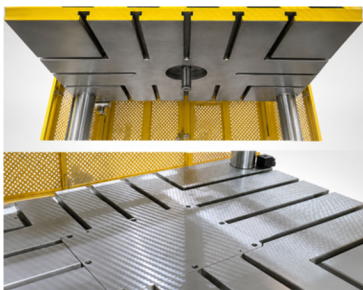
The MTP-SV Series uses a high-performance servo drive motor system to deliver precise platen control, smoother motion and improved stopping accuracy. This servo system also helps reduce energy consumption, improves repeatability and supports more efficient press operation.



VISUAL FEED BACK

04

The MTP-SV Series is equipped with integrated visual status lighting to give operators clear, immediate feedback during operation. This helps users quickly understand what the press is doing in real time without relying only on the HMI screen. The system improves operator awareness and supports safer operation.



TOOLING FLEXIBILITY

05

The MTP-SV Series can be configured with options such as hydraulic center ejection and a removable plug plate to support different dies, tooling setups and production requirements. These options give manufacturers more flexibility when handling changing applications and future production needs.

ADVANCED PRESS FEATURES



SAFETY LIGHT CURTAINS

06

Worker Safety Built into Every Press

The MTP-SV Series is equipped with full-size safety light curtains to help protect operators during press operation. These systems create a monitored safety zone around the working area and help stop machine motion when the protected area is interrupted.



BUILT-IN HEAT EXCHANGER

07

Stable Oil Temperature for Consistent Performance

The MTP-SV Series includes a built-in water-cooled heat exchanger to help maintain proper oil temperature during operation. This supports consistent press performance, protects hydraulic components, and removes the need for a separate centralized cooling setup in many applications.



AIR BLAST VALVES WITH TIMER

08

Keep Dies Cleaner Between Cycles

Optional air blast valves can be added to help remove flash, debris, or loose material from the die area between cycles. The programmable timer can be integrated into the HMI, giving operators simple control as part of the press setup.



AUTO TIE BAR LUBRICATION

09

Less Maintenance, Longer Component Life

The optional automatic tie bar lubrication system helps reduce scoring and wear on the tie bars by applying lubrication consistently over time. This set-and-forget system reduces manual maintenance, protects critical press components, and supports long-term accuracy and reliability.



HIGH QUALITY COMPONENTS

10

Brand-Name Components You Know, Use, and Trust

The MTP-SV Series is built with high-quality, widely available industrial components from trusted global suppliers. By avoiding difficult-to-source proprietary parts, MetalPress helps make maintenance, troubleshooting, and future service easier for your team.



ROBOT INTERFACE

11

Ready for Automated Production Cells

The MTP-SV Series can be equipped with optional robot interface I/O to support manual, semi-automatic, or fully automatic production modes. This allows the press to integrate with automated loading and unloading workflows for higher-volume production environments.

WHY SWITCHING TO SERVO TECHNOLOGY DELIVERS BETTER ROI

Reduced Energy Consumption and Improved Performance

Traditional presses can be effective, but they often limit control, waste energy and make it harder to maintain consistent part quality.

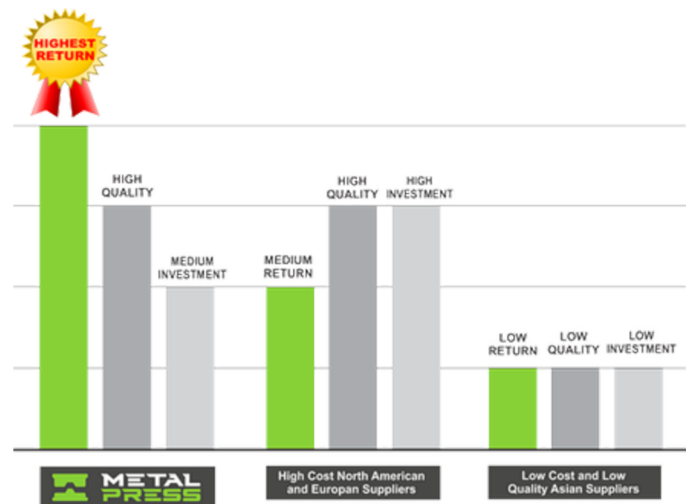
Servo-driven technology gives operators precise control over force, speed, position and motion throughout the forming cycle while saving on energy costs. Power is applied only when needed, helping improve efficiency and process stability.

The ROI comes from better performance across the entire operation: improved repeatability, reduced scrap, lower energy use, faster setup and smoother automation integration.

For manufacturers running high-volume production, servo technology helps create a more flexible press system that can adapt to different parts, processes and production demands.



To be competitive in today's economy requires that manufacturers run their operations more efficiently and cost-effectively than ever before. We offer the highest ROI (return on investment) in the industry. MetalPress gives you high-quality products for a reasonable investment and with more features than any other company.



THE RANGE

SIX MODELS. FROM 35 TO 200 TON.



MTP-SV SERIES STANDARD MODEL SPECIFICATIONS

SPECIFICATIONS – US STANDARD	MTP-SV-35	MTP-SV-50	MTP-SV-75	MTP-SV-100	MTP-SV-150	MTP-SV-200
 Trim Force	35 US tons	50 US tons	75 US tons	100 US tons	150 US tons	200 US tons
 Between Tie Bars	22 x 38 inches	25 x 48 inches	28 x 52 inches	36 x 58 inches	48 x 60 inches	48 x 60 inches
 Tie Bar Diameter	3.5 inches	3.275 inches	4.5 inches	5.5 inches	6 inches	6 inches
 (A) Stroke	18 inches	20 inches	25 inches	32 inches	32 inches	32 inches
 (B) Daylight Max (Ram Up)	32 inches	35 inches	45 inches	52 inches	52 inches	52 inches
 (C) Daylight Min (Shut Height)	14 inches	15 inches	20 inches	20 inches	20 inches	20 inches

SPECIFICATIONS – METRIC	MTP-SV-35	MTP-SV-50	MTP-SV-75	MTP-SV-100	MTP-SV-150	MTP-SV-200
 Trim Force	32 tonnes	45 tonnes	70 tonnes	90 tonnes	140 tonnes	180 tonnes
 Between Tie Bars	560 x 970 mm	635 x 1220 mm	715 x 1325 mm	915 x 1475 mm	1220 x 1525 mm	1220 x 1525 mm
 Tie Bar Diameter	90 mm	83 mm	115 mm	140 mm	152 mm	152 mm
 (A) Stroke	460 mm	510 mm	635 mm	815 mm	815 mm	815 mm
 (B) Daylight Max (Ram Up)	815 mm	890 mm	1143 mm	1325 mm	1325 mm	1325 mm
 (C) Daylight Min (Shut Height)	355 mm	380 mm	500 mm	510 mm	510 mm	510 mm

**READY TO INCREASE
YOUR PRESS CONTROL
AND PRODUCTIVITY?**



**Improve Accuracy.
Save Energy Costs.
Increase ROI.**



REACH US HERE:



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