METALPRESS
Division of Axiom Machinery Inc.

SERVO HYDRAULIC
PRESS BRAKE

The Smarter Way to Bend Metal.

MPT-SV Series

Servo



Titan Class

metalpressmachinery.com

A NEW STANDARD FOR

PRECISION SHEET METAL BENDING & FABRICATION

More than the Sum of Its Parts

The MetalPress Titan Class Servo Hydraulic Press Brakes are engineered to be more than the sum of their parts. Designed for manufacturers who demand exceptional accuracy, reliability, and long-term value, the Titan Class combines a heavy-duty precision-machined frame, advanced servo hydraulic technology, premium CNC controls, and industry-leading safety systems into one highly integrated solution.

The result is superior bending performance, faster setups, greater repeatability, and reduced downtime. Built for demanding production environments, the Titan Series delivers the precision, durability, and efficiency required to maximize productivity and profitability for years to come.





It all Starts with the Right Frame

The foundation of the Titan Class press brakes is a rigid mono-block frame built from mill-certified, high-yield steel. High-strength steel plates are welded and stress-relieved at 1,100°F (600°C) to ensure uniform strength and long-term structural stability.

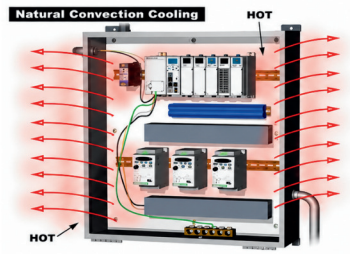
The entire frame is precision-machined in a single setup using a large-scale five-axis machining center, ensuring exceptional alignment and accuracy.

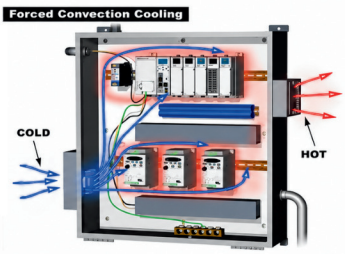
Following machining, the frame undergoes shot blasting to remove surface contaminants, improve coating adhesion, enhance fatigue resistance, and eliminate residual stresses.

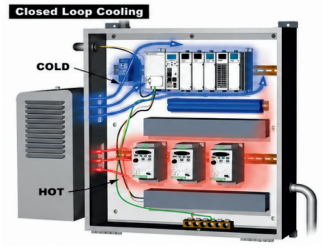
The result is a stronger, more durable press brake frame that delivers reliable precision and performance year after year.













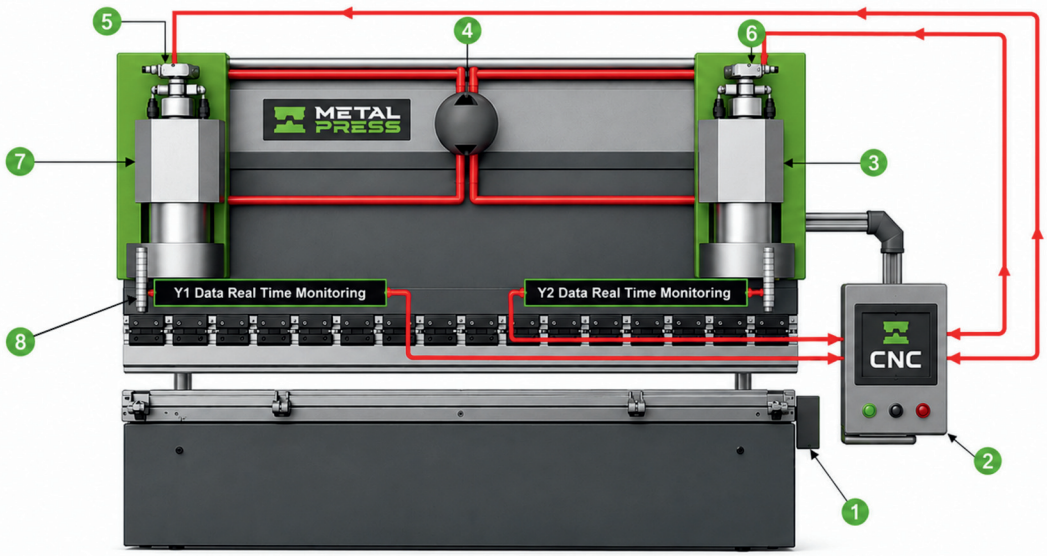
Keep it Cool

The Tital Class press brakes feature an air-conditioned electrical cabinet that protects critical components with a dust-proof and water-resistant design. Its constant-temperature cooling system maintains optimal operating conditions for CNC controls and drives, improving reliability and substantially extending component life.

Combined with energy-efficient frequency conversion technology, it delivers stable performance, reduced maintenance, and dependable operation in demanding industrial environments.

Exceptionla Value

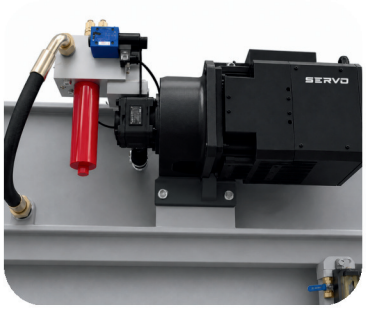
The Titan Class combines advanced bending technology with exceptional precision and efficiency. Features include a variable rake design, multi-axis 500 mm back gauge, 450 mm throat depth, Y1/Y2 proportional valve control, CNC double-V tooling, automatic mechanical crowning, and precision grating rulers. High-speed operation, outstanding accuracy, energy-efficient performance, and mobile front support arms make it ideal for demanding sheet metal bending and fabrication applications.



1 Mechanical Compensation Controlled By CNC System	4 Oil Tank	7 Main Cylinder
2 CNC Control System	5 Proportional Valve	8 Laser Protection
3 Main Cylinder	6 Proportional Valve	

(519) 624-9987 metalpressmachinery.com

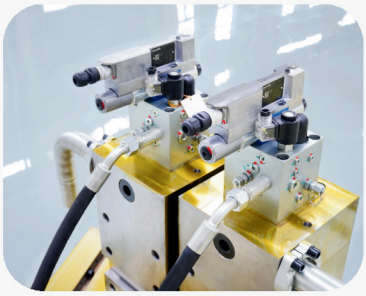
TITAN SERIES KEY FEATURES



SERVO HYDRAULIC SYSTEM

01

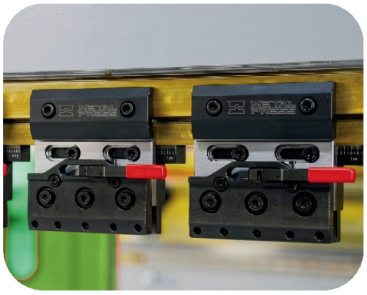
The Titan Class utilizes advanced servo drive technology to provide precise motion control, smooth operation, and accurate positioning. The result is improved repatability, reduced energy consumption, and enhanced productivity in demanding fabrication environments.



BOSCH REXROTH HYDRAUIC SYSTEM

02

The Bosch Rexroth hydraulic system delivers exceptional reliability, precision, and efficiency. Its proven performance ensures smooth ram control, consistent bending accuracy, reduced maintenance, and dependable operation in demanding production environments.



QUICK TOOL CLAMPING SYSTEM

03

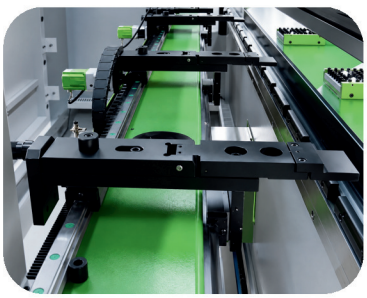
Our precision quick tool clamping system enables fast, safe, and accurate tooling changes without special tools. This reduces setup time, increases machine uptime, improves productivity, and ensures consistent tool alignment for greater bending accuracy.



ANTI-CORROSION HYDRAULIC TANK

04

The integrated hydraulic oil reservoir features an internal anti-corrosion treatment that protects against rust and contamination. This durable design helps maintain hydraulic system performance, reduces maintenance, and extends equipment service life.



PRECISION BACK GUAGE FINGERS

05

High-precision back gauge fingers ensure accurate sheet positioning and support, helping achieve consistent bend results, improved repeatability, and greater productivity in demanding fabrication applications.

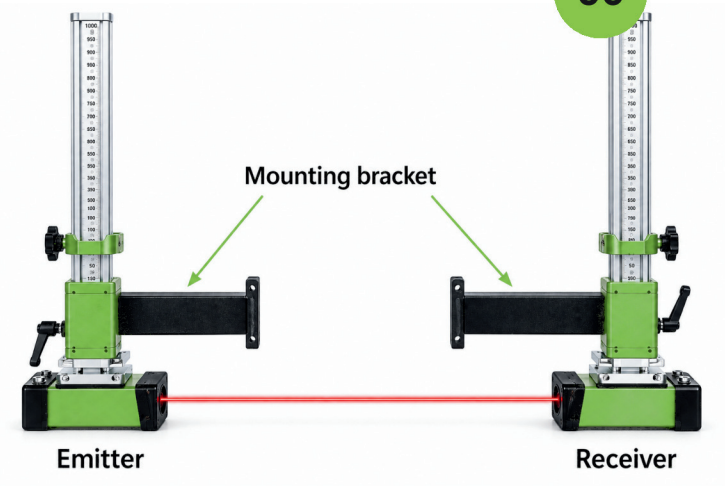
ADVANCED PRESS BRAKE FEATURES

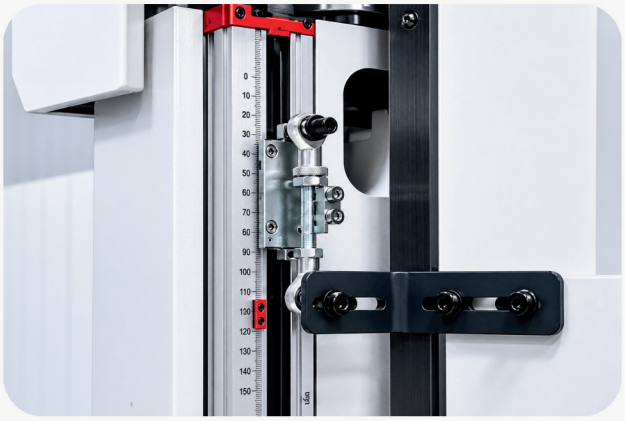
LASER SAFETY SYSTEM

06

Provides continuous protection at the point of operation while maintaining clear visibility of the work area. The advanced laser safety system monitors the bending zone in real time, helping prevent operator injury without compromising performance.

By allowing higher approach speeds and reducing unnecessary slowdowns, it improves productivity and shortens cycle times. The result is enhanced operator safety, greater efficiency, and maximum throughput while meeting modern press brake safety standards.





LINEAR GRATING SCALE

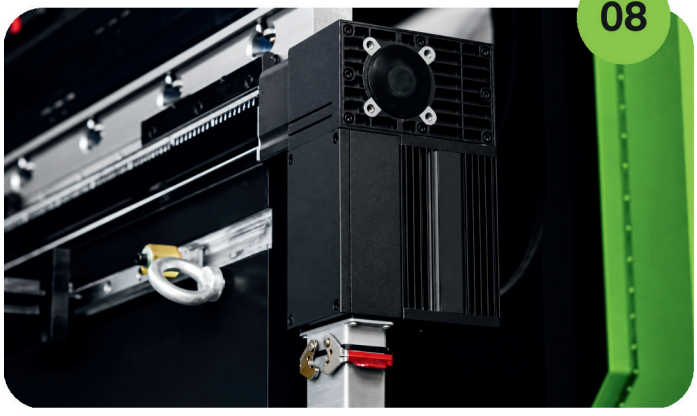
07

Our linear grating scale provides direct, real-time measurement of ram position, eliminating the effects of frame deflection and mechanical wear. Working in a closed-loop control system, it continuously monitors and corrects ram movement to deliver exceptional bending accuracy and repeatability. The result is consistent bend angles, reduced scrap, faster setup times, and reliable precision across the full length of the workpiece.

CNC-CONTROLLED CROWNING SYSTEM

The CNC-controlled automatic mechanical crowning system compensates for ram and bed deflection during bending, ensuring consistent bend angles, improved part accuracy, reduced setup time, and higher-quality finished components.

08





MORE FLEXIBILITY FOR BENDING & FABRICATION

Flexible Options

09

DELEM CNC CONTROL SYSTEM

The Titan Class comes standard with the Delem DA-66S CNC control, combining advanced 2D and 3D programming with real-time machine and tooling visualization for efficient operation. Intelligent bend sequence calculation and collision detection simplify programming and reduce setup times. This system delivers exceptional accuracy, consistent bending results, and increased productivity across a wide range of fabrication applications.



Delem DA-66C is Standard
Other Control Systems Available

10



WILLA TOOL HOLDING SYSTEM

The optional Wila tool holding system provides fast, precise, and secure punch installation while maintaining exceptional tooling alignment. Its self-seating design reduces setup time, improves bending accuracy, and simplifies tooling changes. The result is greater productivity, enhanced repeatability, and consistent high-quality bending performance across a wide range of applications.

11

SHEET FOLLOWER

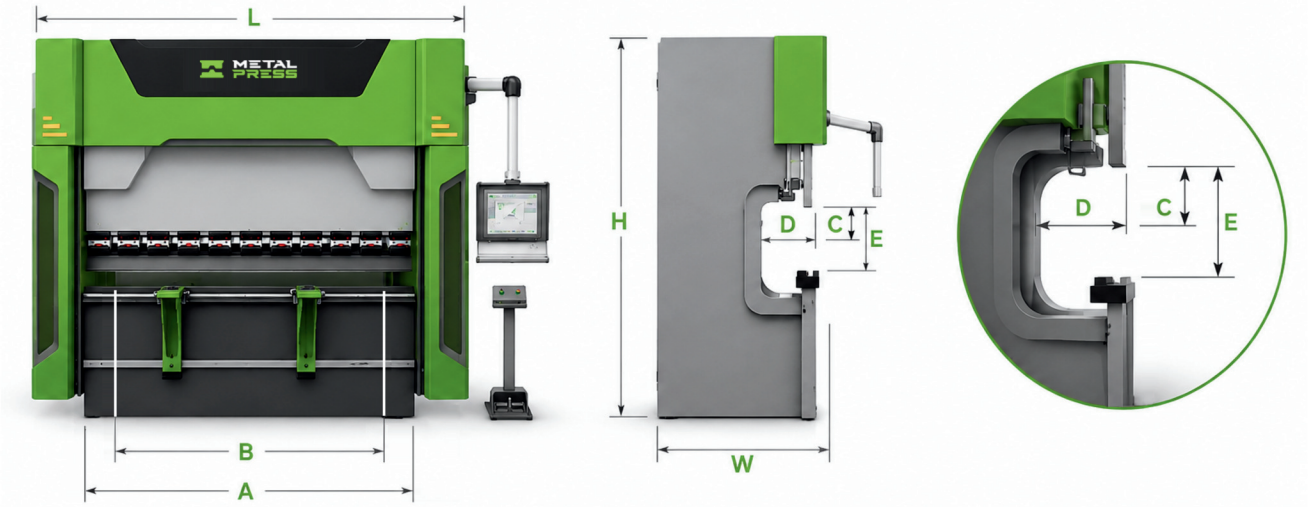
Our optional single or double sheet follower supports large, heavy, or flexible workpieces throughout the bending process. By reducing material sag and operator effort, it improves bending accuracy, enhances safety, and increases productivity. The system helps prevent part damage and enables consistent, high-quality results when forming long or complex components.





THE RANGE

SIXTEEN MODELS. FROM 75 TO 350 TONS.



MPT-SV SERIES - PRESS BRAKES SERVO HYDRAULIC TITAN CLASS

Model Number	Capacity (tons)	Bending Length (A) mm	Between Beams (B) mm	Cylinder Stroke (C) mm	Throat Depth (D) mm	Max Opening Height (E) mm	Approach Speed mm/s	Bending Speed mm/s	Return speed mm/s	Servo Motor kW	Weight kg	Dimensions L× W × H mm
MPT-SV-75T-8FT	75	8 (98.4)	74.8	7.9	15.7	19.3	8.7	0-0.39	5.5	10.1	11,464	141.7 × 63 × 90.6
MPT-SV-120T-8FT	120	8 (98.4)	74.8	10.4	16.9	20.9	7.9	0-0.39	4.7	14.8	15,432	141.7 × 66.9 × 92.5
MPT-SV-120T-10FT	120	10 (126)	102.4	10.4	16.9	20.9	7.9	0-0.39	4.7	14.8	18,078	169.3 × 66.9 × 92.5
MPT-SV-120T-13FT	120	13 (161.4)	133.9	10.4	16.9	20.9	7.1	0-0.39	4.7	14.8	20,944	204.7 × 66.9 × 92.5
MPT-SV-140T-8FT	140	8 (98.4)	74.8	10.4	16.9	20.9	7.9	0-0.39	4.7	20.1	18,298	141.7 × 70.9 × 108.3
MPT-SV-140T-10FT	140	10 (126)	102.4	10.4	16.9	20.9	7.9	0-0.39	4.7	20.1	20,944	169.3 × 70.9 × 108.3
MPT-SV-140T-13FT	140	13 (161.4)	133.9	10.4	16.9	20.9	7.1	0-0.39	4.7	20.1	23,810	204.7 × 70.9 × 108.3
MPT-SV-180T-8FT	180	8 (98.4)	74.8	10.4	17.7	20.9	7.1	0-0.39	4.7	24.8	21,605	141.7 × 74.8 × 110.2
MPT-SV-180T-10FT	180	10 (126)	102.4	10.4	17.7	20.9	7.1	0-0.39	4.7	24.8	24,251	169.3 × 74.8 × 110.2
MPT-SV-180T-13FT	180	13 (161.4)	133.9	10.4	17.7	20.9	6.3	0-0.39	4.7	24.8	27,558	204.7 × 74.8 × 110.2
MPT-SV-240T-10FT	240	10 (126)	102.4	10.4	17.7	20.9	6.3	0-0.39	4.7	29.5	29,762	169.3 × 76.8 × 114.2
MPT-SV-240T-13FT	240	13 (161.4)	133.9	10.4	17.7	20.9	6.3	0-0.39	4.7	29.5	32,628	204.7 × 76.8 × 114.2
MPT-SV-275T-10FT	275	10 (126)	102.4	10.4	17.7	20.9	6.3	0-0.31	4.7	29.5	36,376	169.3 × 78.7 × 114.2
MPT-SV-275T-13FT	275	13 (161.4)	133.9	10.4	17.7	20.9	6.3	0-0.31	4.7	29.5	40,786	204.7 × 78.7 × 114.2
MPT-SV-350T-10FT	350	10 (126)	102.4	10.4	17.7	20.9	6.3	0-0.31	4.7	29.5	36,376	169.3 × 78.7 × 114.2
MPT-SV-350T-13FT	350	13 (161.4)	133.9	10.4	17.7	20.9	6.3	0-0.31	4.7	29.5	40,786	204.7 × 78.7 × 114.2

Specifications are subject to change without notice.

READY TO BEND METAL MORE EFFICIENTLY?





Improve Your Competitive Edge.

Save Energy Costs.

Increase ROI.

REACH US HERE:

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