WELDOR®

CNC MACHINES LTD.

PRESS BRAKES

N SERIES

S SERIES

MS SERIES

HBD SERIES

PREMIUM SERIES

Power Precision Performance

Weldor CNC Press Brakes are built to shape the future, with unmatched accuracy, efficiency, and durability.

For over five decades, Weldor has delivered cutting-edge metal forming solutions trusted by industries across the globe. Our press brakes combine hydraulic strength with servo precision, offering smoother, quieter, and more energy-efficient operation. Designed for demanding workloads and complex jobs, they ensure repeatable precision with minimal wear.

With 9500+ machines in operation, a pan-India service network, and a growing global footprint, Weldor machines are made in India and built for the world. We don't just bend metal — we bend expectations.

FORMING THE FUTURE

BEND | FOLD | ROLL | PUNCH | V-GROOVE

50 YEARS
OF LEGACY

SHAPING THE FUTURE OF **METAL FORMING SINCE 1975**

Since 1975, Weldor has grown from a modest workshop into one of India's leading manufacturers of sheet metal forming machines. Founded by the visionary Mr. Gordhandas Vaghela, our journey has been defined by engineering excellence, continuous innovation, and a deep commitment to quality. With over 9500 machines delivered globally and a strong legacy of trust, we continue to shape the future of metal forming through precision, performance, and purpose.

1975

Founded by Mr. Gordhandas Vaghela

Weldor Group begins its journey in Rajkot, Gujarat, with a clear vision to manufacture robust, high-quality sheet metal forming machines for the Indian industry.

1980s – 1990s

Rapid Expansion & National Recognition

Weldor becomes one of India's largest manufacturers of sheet metal forming machines, gaining trust across sectors through quality, service, and reliability.

Today

Global Footprint & 9500+ Machines Delivered

Weldor has supplied more than 9500 machines worldwide, offering turnkey solutions in pipe mills, perforation lines, sink-drawing units, CRC roof corrugation, and more.

2015

Launch of Weldor CNC Machines Ltd.

To meet the evolving needs of automation and precision, a new entity—Weldor CNC Machines—is formed under the leadership of Mr. Mahesh G. Vaghela and Mr. Nikun M. Vaghela. This division focuses on modern CNC solutions in a dedicated, state-of-the-art facility.

2000s

Infrastructure & Capacity Growth

With the addition of large-scale precision mother machinery and a strong vendor network equipped with CNC technology, Weldor boosts its annual production capacity to over 500 machines.

PROVEN PERFORMANCE **TRUSTED ACHIEVEMENTS**

With over 9,500 machines installed globally, Weldor is a trusted partner for leading industries across India and beyond. From automotive to aerospace, we provide advanced sheet-metal solutions, turnkey systems, and custom-built machines—backed by strong infrastructure, precision engineering, and customer-centric flexibility.

TURNKEY PROJECT SOLUTIONS

Complete systems delivered for

- Pipe manufacturing mills
- Perforated sheet production
- Kitchen sink drawing lines
- CRC roof corrugation lines
- Custom sheet-metal automation setups

INFRASTRUCTURE & PRODUCTION

- Equipped with **large-scale mother machinery**
- Backed by a **CNC-enabled vendor network**
- **Annual capacity: 500+ machines**
- Over **9,500 machines supplied worldwide** since 1975.

CUSTOMER CENTRIC FLEXIBILITY

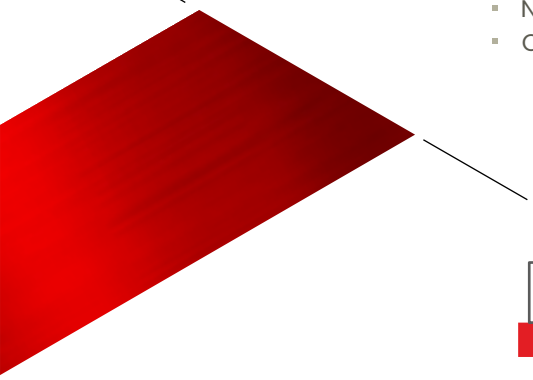
- Ability to establish satellite manufacturing units near client facilities when needed
- Dedicated to delivering future-ready, tailored solutions

TECHNOLOGY & FEATURES

- Offered with **Servo-Electric, Hybrid, and Hydraulic drive** mechanisms
- Engineered for **precision, efficiency, and durability**
- Suitable for **light sheet-metal components** and **heavy fabricated structures**

TRUSTED BY INDUSTRY LEADERS. BUILT FOR EVERY NEED.

- Over **50 years of expertise** in sheet metal forming solutions
- **Trusted by leading organizations** such as:
  - Amara Raja Group
  - Indian Railways
  - National Aerospace Laboratories
  - Ordnance Factory Tiruchirappalli
  - HPCL
  - Alstom
  - Reliance
  - Essar
  - LML Kanpur,
  - KLT Automotive,
  - Sumeet Group,
  - and many more



CORE MANUFACTURING CAPABILITIES

- CNC Hydraulic & Hybrid Press Brakes
- CNC Panel Benders
- 3 & 4 Roll NC Plate Rolling Machines
- CNC V-Grooving Machines
- NC Pipe Punching Machines
- CNC/NC Hydraulic Shearing & Section Bending Machines
- Refurbishment of Amada Turret Punch Presses

RECOGNITIONS & **CERTIFICATIONS**

At Weldor, every milestone is backed by a legacy of engineering excellence. Our pursuit of innovation, quality, and precision has earned us respected validations from industry authorities — reinforcing our place at the forefront of metal forming technology.

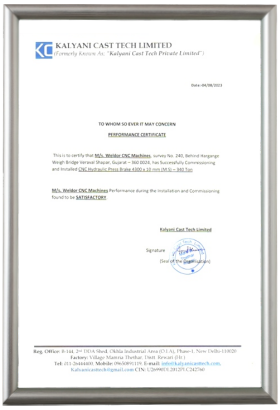
- Our **MD - Mr. Mahesh kumar vaghela** was Awarded for **best design of the year 2004** For manufacturing **India's first high-tech Cnc turret punch press machine.**
- **ISO 9001:2015 certified** – ensuring global Quality standards
- **Zed bronze certification** – recognized by Ministry of **MSME**
- **IMTMA** membership (2025-26) strengthening our industry leadership
- **MTMA Rajkot** Life time membership

CUSTOMER PERFORMANCE **CERTIFICATIONS**

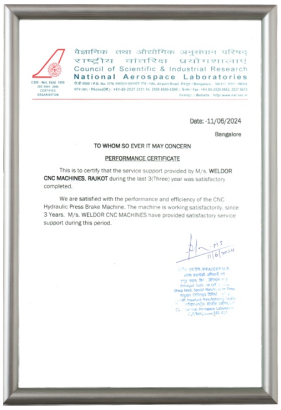
The true measure of our machines lies in the trust they earn on the shop floor. From mission-critical industries to high-performance applications, our technology is consistently chosen, tested, and certified by organizations that demand the best.

2023
TII India Pvt Ltd

2024
BEML Ltd



2023
Kalyani Cast Tech Ltd



2024
National Aerospace Laboratories

TRUSTED **CLIENTS**

From national research labs to major manufacturing giants, Weldor's machines power some of the most respected names in the industry. Our clientele spans sectors such as aerospace, automotive, engineering, energy, and infrastructure.

MACHINING CAPACITY

Our facility is equipped for large-scale machining, ensuring precision and efficiency in handling complex, heavy components:

- 

  NC FLOOR BORING MACHINE (GIDDINGS & LEWIS - USA)

  Work Envelope: 6000 × 3000 × 1700 mm

  High-precision machining with NC functionality for automation and repeatability.

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  DRO FLOOR BORING MACHINE (RESTELLINI - ITALY)

  Work Envelope: 8000 × 1700 × 700 mm

  Ideal for long components with manual assistance and Digital Readout (DRO) for moderate precision.

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  NC BED MILLING MACHINE (MECOF - ITALY)

  Work Envelope: 6700 × 1700 × 1050 mm

  Combines numerical control with bed milling for accurate machining of large, flat components.

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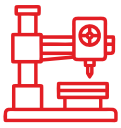
  PLANI-MILLER (HUDDERSFIELD - UK)

  Work Envelope: 4000 × 1500 × 1050 mm

  Provides high stability for milling large workpieces in heavy-duty operations.

- 

  RADIAL DRILLING MACHINES

  Handles versatile drilling operations with varying sizes (63 mm and 30 mm).

  Ensures quick and efficient hole-making for both large and small components.

- **PLANNER**

  Work Envelope: 3000 × 1200 × 500 mm

  Ideal for machining flat surfaces on small to medium-sized components.

INFRASTRUCTE **EXCELLENCE**

Backed by robust infrastructure and a highly skilled team, Weldor's manufacturing facility is built for performance at scale. Every machine we produce is the result of streamlined processes, purpose-built shops, and a commitment to quality.

- **Assembly Shop** : 8,000 sq. ft. dedicated space for streamlined machine assembly.
- **Machine Shop** : 9,000 sq. ft. facility equipped for precision machining.
- **Fabrication Shop** : 8,500 sq. ft. setup for efficient metal fabrication and welding.

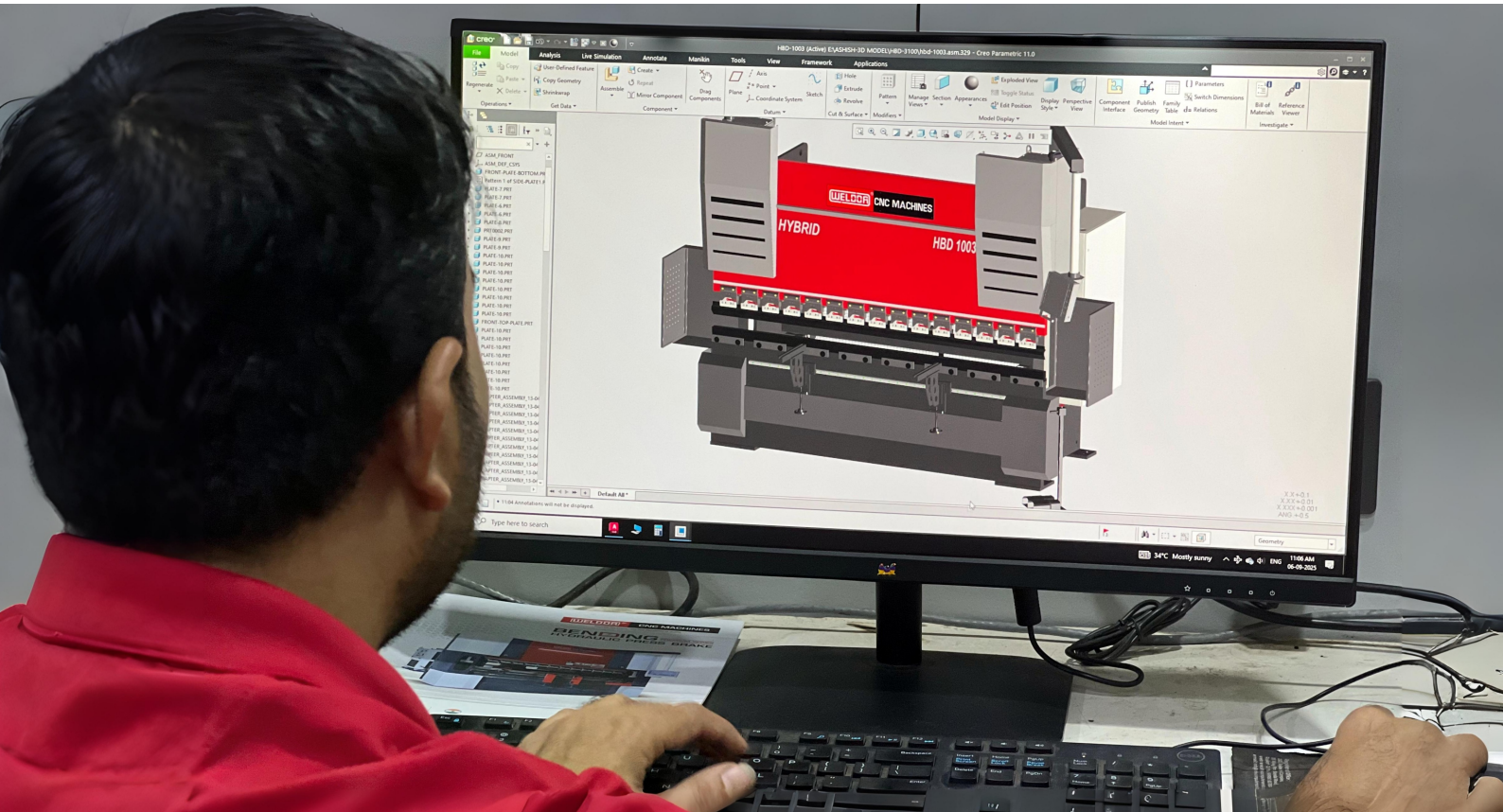
DESIGN & SIMULATION **CAPABILITIES**

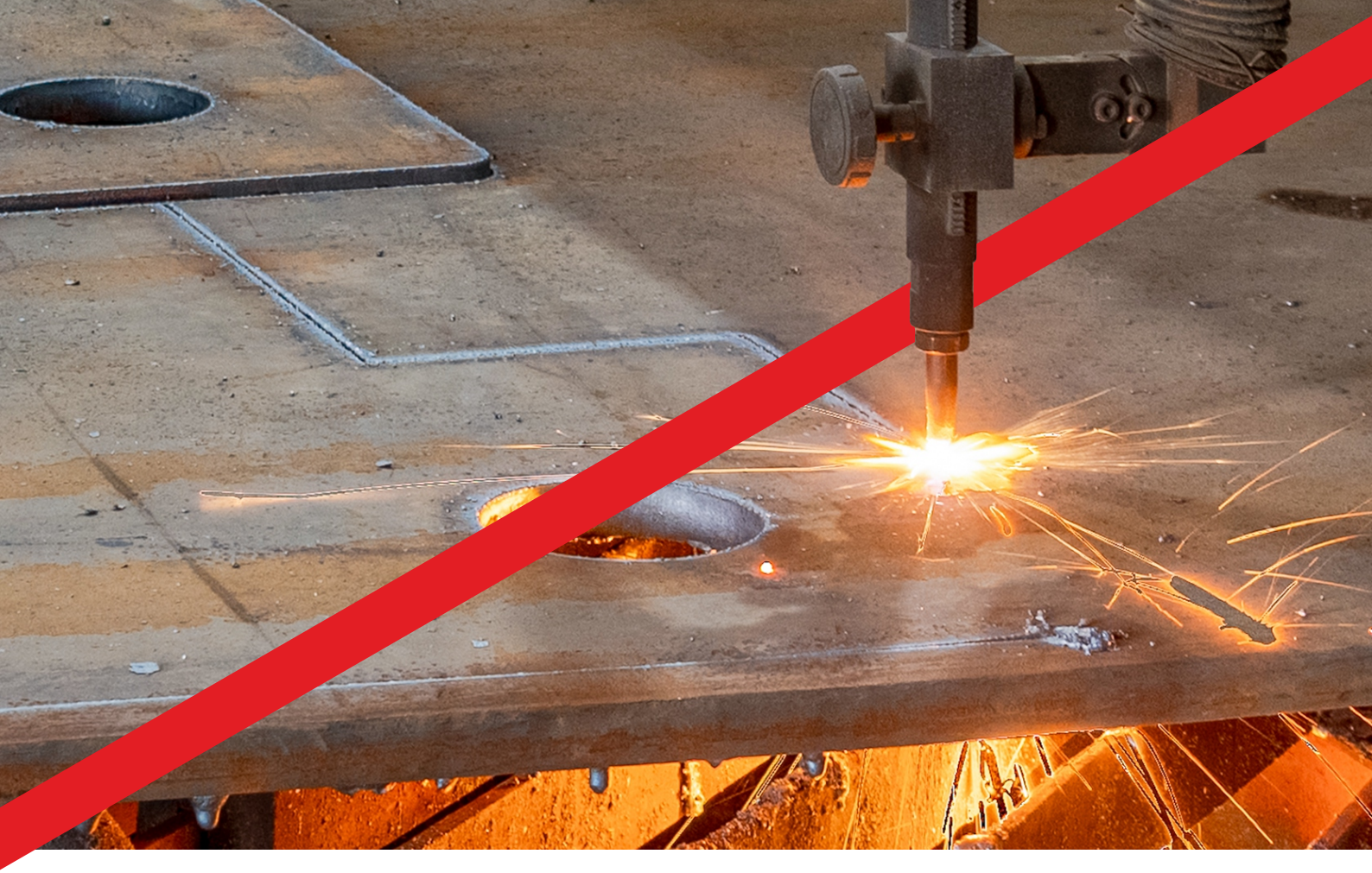
ADVANCED DESIGN CAPABILITIES **WITH 2D & 3D CAD SOFTWARE**

To ensure precision engineering and efficient manufacturing of our Press Brakes, we utilize industry-leading design software—AutoCAD for 2D drafting and SolidWorks for 3D modeling and simulation. These tools enable our engineering team to create detailed component drawings, analyze mechanical stresses, validate fit and function, and simulate real-world performance before manufacturing begins.

ADVANCED DESIGN CAPABILITIES **WITH FEA FOR PRECISION ENGINEERING**

In addition to using 2D AutoCAD and 3D SolidWorks for detailed component design, we also employ Finite Element Analysis (FEA) to simulate and analyze the mechanical behavior of all our machines under real-world conditions. By applying FEA during the design phase, we can predict stress, strain, and potential failure points, ensuring that every Press Brake and fabricated component is robust, efficient, and optimized for performance. This advanced analysis allows us to refine designs, improve material selection, and deliver machines that meet the highest standards of quality and durability.





FLAME CUTTING & **STRAIGHTENING**

HIGH PRECISION CNC FLAME CUTTING **WITH NESTING OPTIMIZATION**

Our manufacturing facility is equipped with **CNC Flame Cutting Machines** capable of handling sheet sizes up to 3200 x 6300 x 150 mm, ideal for cutting large and thick plates used in Press Brake body structures. Integrated with advanced Nesting Software, we ensure maximum material utilization, precise contour cutting, and minimal wastage. This capability allows us to process complex geometries and heavy-duty components with consistent accuracy, forming the foundation of our robust and dimensionally precise Press Brake frames.

HYDRAULIC PLATE STRAIGHTENING **FOR STRUCTURAL ACCURACY**

To ensure the dimensional integrity of flame-cut components, we employ **Hydraulic Presses of 150 Ton and 300 Ton capacity** for plate straightening operations. These presses effectively correct thermal deformations that occur during flame cutting, especially in thicker plates used for Press Brake body structures. This process is critical for maintaining flatness, structural alignment, and achieving the tight tolerances required in precision fabrication.

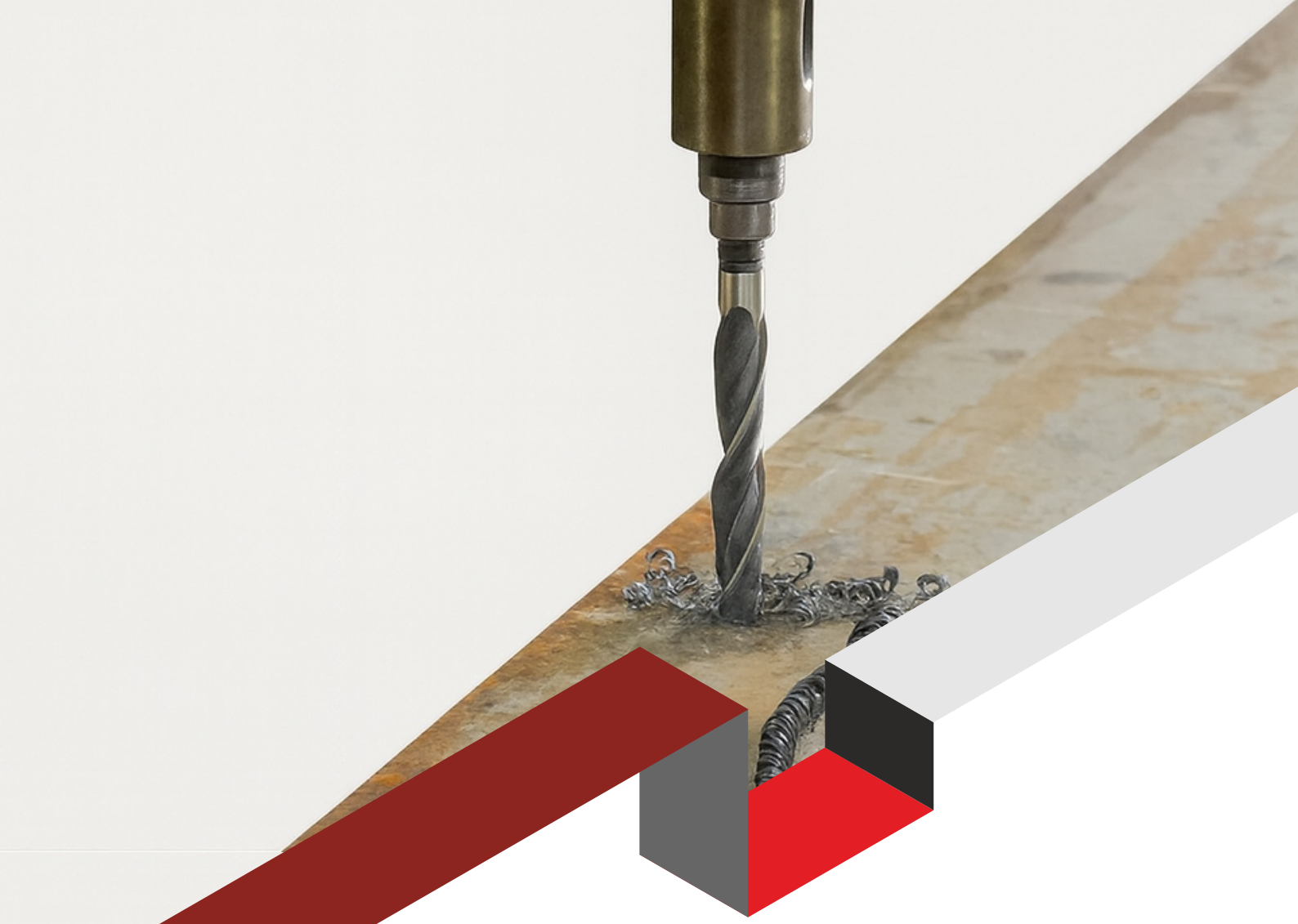
FABRICATION & **STRESS RELIEVING**

SKILLED WELDING **FOR INTEGRITY**

We have a dedicated team of expert and experienced welders and fabricators, supported by a number of high-performance ARC Welding Machines, for the fabrication of Press Brake frames and structural assemblies. Our team ensures deep penetration welds, high joint strength, and consistent quality across all weld seams. Every frame undergoes meticulous fabrication practices to meet the rigorous structural demands of heavy-duty industrial applications.

VIBRATORY STRESS RELIEVING **FOR ENHANCED STABILITY**

To ensure long-term dimensional stability and prevent distortion under load, all major fabricated components undergo **Vibratory Stress Relieving (VSR)**. This process effectively reduces internal stresses developed during welding and machining without the need for high-temperature treatments. VSR enhances the structural reliability and precision retention of our Press Brake frames up to 70% compared to original formational structure of the steel plates, ensuring optimal performance even under demanding operating conditions.



PRECISION DRILLING & MACHINING
FOR COMPLEX COMPONENTS

Our manufacturing facility is equipped with advanced drilling and machining capabilities to handle a wide range of component sizes and complexities. These machines provide the accuracy and versatility needed for high-precision drilling and milling, ensuring that every component meets stringent specifications for performance and durability.

- Radial Drilling Machines – 03 Nos. (Capacities: 25 mm, 32 mm & 60 mm)
- Vertical Machining Center (VMC) – 1000 x 500 mm (Mazak VC-Ez Series)

PAINT PROCESS

Our machines undergo a meticulous multi-step painting process to ensure superior durability and a premium finish

Surface Preparation
The plates are thoroughly hand-ground using high-quality hand grinders to remove any imperfections and prepare the surface for fabrication

Primer Application
Once the machining is complete, the entire machine is coated with a high-performance Red Oxide primer. This serves as a corrosion-resistan base, ensuring longevity and resilience

Putty Layering
Two layers of putty are carefully applied, providing a smooth and even surface. After application, the putty is washed off with water to achieve a refined finish.

Final Coating
The machine is then painted with premium Polyurethane paints, developed specifically for Weldor CNC Machines. Available in Signal Red, Chassis Grey, & Silver, these coatings are powered by advanced American powder color technology.

Customization Option
Customers can always request their choice of color for the machine, allowing for a personalized touch that meets their specific shop-floor theme preferences.

This comprehensive paint process ensures that every Weldor CNC machine stands out in both performance and appearance, providing a long-lasting, robust finish that meets the highest standards in the industry.

INSPECTION & **TESTING**

At Weldor, we prioritize quality and performance at every stage of the manufacturing process. Our rigorous inspection and testing protocols ensure that each machine meets the highest standards before it reaches our customers

Dry Run Testing
Each machine undergoes a comprehensive dry run for a continuous 8-hour shift, non-stop. This extended operation helps us identify potential issues such as overheating, leakages, inaccuracies in repeatability, and other critical factors that could impact performance.

Full Load Trials
Following the dry run, the machine undergoes full load trials, simulating real-world operational conditions. This allows us to assess the machine's performance under maximum capacity, ensuring that it operates smoothly, efficiently, and without issues during heavy-duty use.

Pre-Dispatch Inspection (PDI)
After the dry run and full load trials, a detailed Pre-Dispatch Inspection (PDI) report is generated. This report thoroughly evaluates the machine against our stringent quality standards to confirm whether it qualifies for dispatch. Only machines that meet these exacting standards are cleared for delivery.

With these rigorous checks in place, we ensure that every machine is ready to deliver optimal performance and reliability in any industrial setting.

OUR FUTURE **VISION**

At Weldor, we're not just building machines—we're building the future of sheet metal forming. With strategic investments in smart automation, next-gen CNC tech, and global partnerships, we're setting new benchmarks for performance, precision, and scale.

Global Footprint

We're scaling beyond borders—strengthening our export operations, aligning with global manufacturing benchmarks, and aiming to establish Weldor as a trusted name across international markets.

Smart & Connected Machines

With a focus on Industry 4.0, we're building intelligent, automated systems that integrate real-time data, digital controls, and modular upgrades—empowering clients with unmatched precision and control.

Innovation through R & D

Our upcoming R&D initiatives will drive innovation in hydraulic efficiency, motion control, and machine design—ensuring Weldor stays ahead of evolving industrial needs.

Sustainable & Skilled Future

We're investing in sustainability through efficient, low-waste production and nurturing a new generation of skilled engineers and technicians who will carry our legacy forward.

GLOBAL **PRESENCE**

Our state-of-the-art manufacturing facility is located in Rajkot, India, **equipped with advanced technology and a highly skilled workforce.** We cater to global markets, with a strong presence in India, and beyond.

Through a network of sales & service partners, we ensure close collaboration with clients worldwide, providing localized support and expertise.

PRECISION IN MOTION.
POWER IN EVERY FORM.

Weldor offers a comprehensive range of CNC sheet-metal bending machines engineered for accuracy, efficiency, and durability.

From bending to punching, rolling to grooving—each machine reflects decades of innovation and commitment to manufacturing excellence across industries worldwide.

Weldor's Press Brake range offers cutting-edge forming solutions tailored to every scale of operation. From compact models to high-tonnage systems, each series combines intelligent design, durable construction, and smart control.

N SERIES

HYBRID DRIVE SYSTEM

Compact yet powerful, the N Series' hybrid drive system ensures fast cycle times, lower energy use, and silent operation — making it perfect for precision jobs in space-conscious environments.

S SERIES

CNC HYDRAULIC PRESS BRAKE

A versatile workhorse, the S Series offers reliable CNC hydraulic performance across a wide tonnage range. With multiple backgauge axis options and rugged construction, it's designed for flexibility in batch and custom fabrication.

MS SERIES

CNC HYDRAULIC PRESS BRAKE

WITH MAIN MOTOR SERVO

The MS Series represents the future of CNC Hydraulic Press Brakes, combining Main Motor Servo with Hydraulic Pump.

HBD SERIES

HYBRID DRIVE SYSTEM

WITH DUAL SERVO

The HBD Series redefines efficiency with its dual servo hybrid system. Offering up to 70% energy savings, faster speeds, and exceptional repeatability, it's the go-to choice for fabricators focused on sustainability, precision, and long-term performance.

PREMIUM SERIES

CNC HYDRAULIC PRESS BRAKE

Designed for demanding operations, the Premium Series combines advanced CNC controls, superior crowning systems, and high bending speeds. It delivers the ultimate in customization, accuracy, and durability for industries where every detail counts.

N SERIES

HYBRID DRIVE SYSTEM

The N Series is Weldor's compact CNC hybrid press brake designed for precision-focused, small-part bending.

Engineered to deliver high-speed performance with a minimal footprint, it offers the perfect balance of power, control, and efficiency for workshops handling intricate components and light-gauge materials.

- Hybrid Drive System
- Single Cylinder for Bending Small Parts
- Fast , Rigid, Low Noise
- Multiple Backgauge Axis Options

Powered by a single-cylinder servo-hydraulic system with a bi-directional pump, the N Series delivers fast approach, bending, and return speeds—while consuming significantly less power.

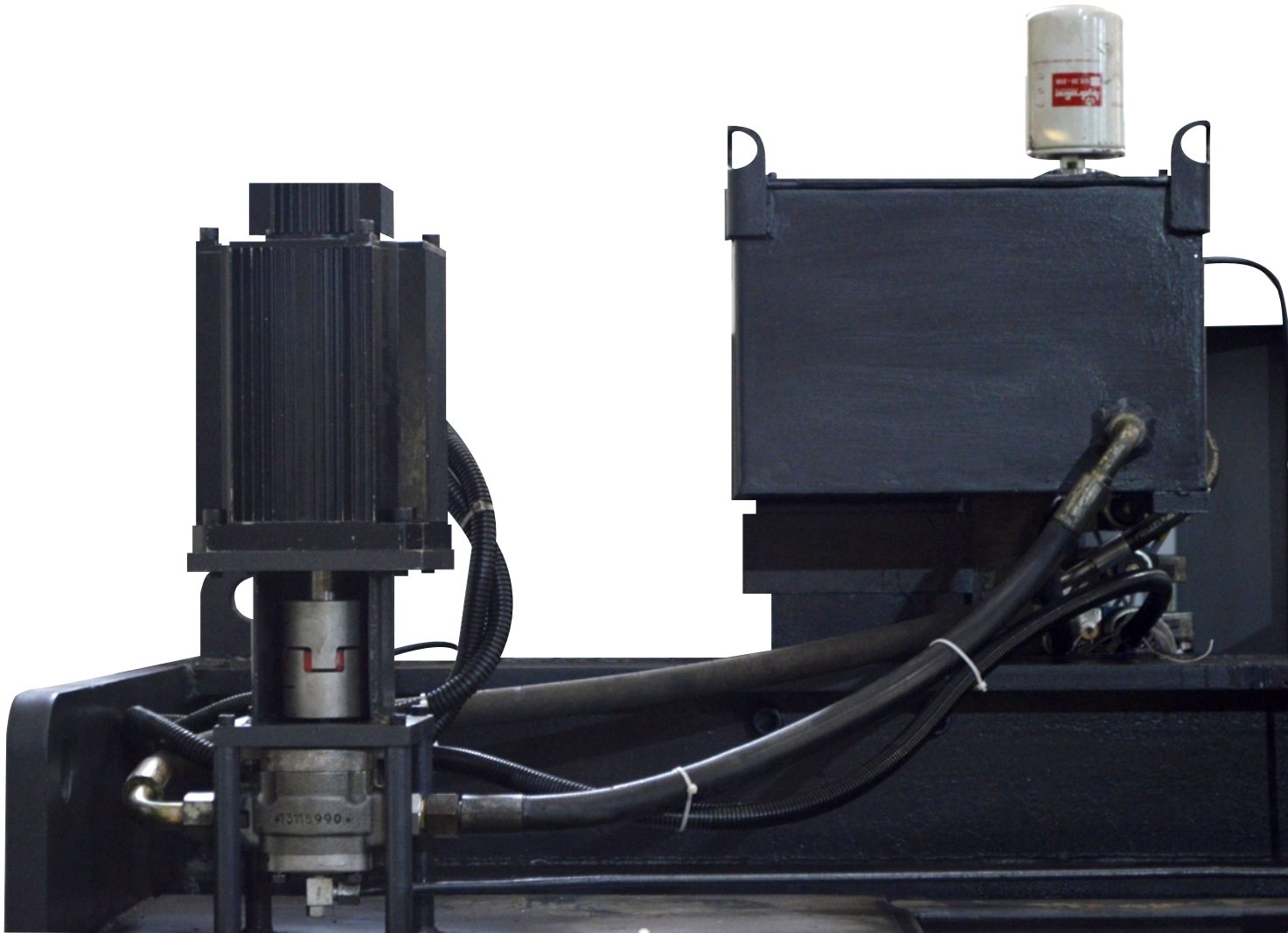
Its reduced oil tank, quiet operation, and minimal footprint make it ideal for clean, high-output fabrication environments.

SMART BENDING FOR
SMALL PARTS - REDEFINES

Introducing our **N - Series Press Brake** — a compact, high-precision solution designed specifically for small-part bending. Combining smart engineering with hybrid drive technology, this machine delivers performance far beyond conventional hydraulic models.

- Up to 70% lower power consumption
- Minimal hydraulic oil usage
- Fast, accurate bending cycles
- Exceptional repeatability on small components
- Near-silent operation for shop-floor comfort

Equipped with a **Hybrid Servo Drive System**, this press brake ensures efficient, responsive control with reduced heat and energy loss. Ideal for electronics, enclosures, and precision parts — it's a small machine with big capabilities.



POWER. PRECISION. EFFICIENCY. **ADVANTAGES**

The N-Series sets a new benchmark in compact press brake technology, purpose-built for small-part bending with smart hybrid drive performance. Featuring a Single Servo System and intelligent energy management, the N-Series is the perfect solution for manufacturers who value accuracy, space-saving design, and cost-effective operation.

- **Single Servo Precision** for responsive, smooth motion and consistent bending quality
- **Optimized for Small Parts** with compact size and tight bending accuracy
- **Low Energy Consumption** thanks to hybrid drive efficiency and idle-time power reduction
- **Minimal Oil Usage** reducing thermal load and environmental impact
- **Quiet Operation** for a more comfortable and productive workspace
- **Low Maintenance Design** with fewer moving parts and simplified hydraulics

Engineered for high precision in a small footprint, the N-Series is the ideal press brake for modern fabricators focused on agility, sustainability, and performance without compromise.

TECHNICAL **SPECIFICATIONS**

The S Series is available in a wide range of tonnages, bed lengths, and axis configurations to meet diverse production needs. From stroke length and throat depth to backgauge travel and motor capacity, every specification is engineered for optimal precision, structural rigidity, and long-term reliability.

Model	HBD-N	N1	N2	N3	N4
Bending Force	Ton	25	25	30	40
Bending Length X Thx.	mm	1000 X 3.15	1250 X 2.5	1250 X 3	1250 X 4
Fram Gap	mm	1000	1250	1250	1250
Y Approach	mm/s	140	140	140	140
Y Pressing	mm/s	10	10	10	10
Y Return	mm/s	140	140	140	140
Day Light	mm	375	375	375	375
Stroke	mm	150	150	150	150
Table Width	mm	90	90	90	90
Table Height	mm	800	800	800	800
Throat	mm	200	200	200	200
Back Gauge Finger Block	nos.	2	2	2	2
X- Axis Travel	mm	500	500	500	500
R- Axis Travel	mm	100	100	100	100
Peak Power	kw	3	3	4.4	5
Oil Tank	ltr	35	35	35	35
Length (L)	mm	1500	1850	1850	1850
Width (W)	mm	1200	1200	1200	1200
Height (H)	mm	2200	2200	2200	2200


MADE IN INDIA

S SERIES

CNC HYDRAULIC PRESS BRAKE

The S Series is Weldor's flagship range of CNC Hydraulic Press Brakes, engineered to deliver consistent bending accuracy, operational reliability, and scalability across a wide range of industrial applications.

Designed with a rugged mono-block frame, precision-honed hydraulic cylinders, and multiple axis control options, it's the ideal solution for both batch production and custom fabrication needs.

- Standardized Models
- Fast Delivery
- Customizable
- Economical
- Ranges: 40 Ton - 2000 Ton
- Multiple Backgauge Axis

FOR EVERYDAY EXCELLENCE

The S-Series CNC Hydraulic Press Brake is designed to deliver dependable bending performance with a focus on long-term value and cost-efficiency. Powered by a high-efficiency induction motor and controlled via advanced CNC technology, the S-Series offers the perfect balance of precision, durability, and affordability for a wide range of fabrication needs.

Engineered for medium to heavy-duty operations, the S-Series combines a robust hydraulic system with a time-tested induction drive, ensuring stable performance and low operational costs. Whether in job shops or production lines, the S-Series is the smart choice for manufacturers looking to optimize their workflow without compromising on reliability or accuracy.

- **Robust Induction Motor Drive**
  Proven 3-phase induction motor delivers dependable performance with minimal downtime.

- **Powerful Hydraulic Bending System**
  Delivers consistent and precise force output, even in heavy-duty applications, thanks to a closed-loop servo valve-controlled hydraulic power pack.

- **Economical Operation**
  Cost-effective solution with low energy consumption and high durability — ideal for budget-conscious production.

- **Low Maintenance Requirements**
  Fewer electronic components and rugged mechanical design reduce maintenance time and costs.

- **Stable Performance Under Load**
  Reliable operation in demanding production environments, from batch jobs to custom fabrication.

- **Optimized for General Industrial Use**
  A versatile, durable press brake that meets the core demands of modern manufacturing with a focus on long-term ROI.

Available with trusted controller options like Cybelec CybTouch or VisiTouch, the S Series simplifies even complex bending tasks through intuitive programming, angle correction, and visual step guidance.

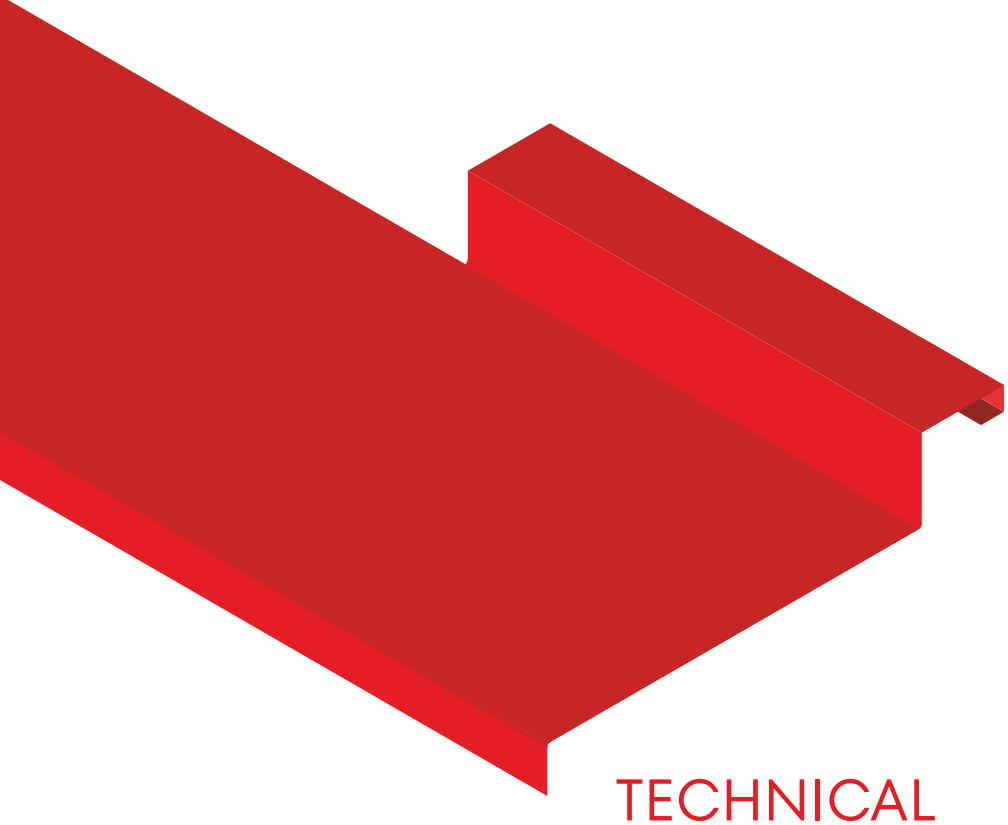
This combination of rugged hardware and digital intelligence ensures faster setups, fewer reworks, and increased operator productivity.

ADVANTAGES OF THE **STRENGTH. STABILITY. VALUE.**

The S-Series represents the trusted standard in CNC Hydraulic Press Brakes, combining time-tested Induction Motor technology with a robust hydraulic system. Built for reliable performance in demanding environments, this machine delivers:

- **Industrial-Grade Reliability** with durable induction motor drive
- **Consistent Bending Accuracy** supported by closed-loop hydraulic control
- **Cost-Efficient Operation** with low investment costs and minimal maintenance, offering long-term reliability at a competitive price point.
- **Low Maintenance Requirements** thanks to simplified mechanical systems and fewer sensitive components
- **Stable, Continuous Performance** even during extended production runs
- **Versatile Productivity** ideal for general fabrication, batch production, and heavy-duty applications

The S-Series is the ideal choice for manufacturers looking for dependable bending performance, long-term value, and ease of ownership — all while keeping operational and initial investment costs under control.



TECHNICAL **SPECIFICATIONS**

The S Series is available in a wide range of tonnages, bed lengths, and axis configurations to meet diverse production needs. From stroke length and throat depth to backgauge travel and motor capacity, every specification is engineered for optimal precision, structural rigidity, and long-term reliability.

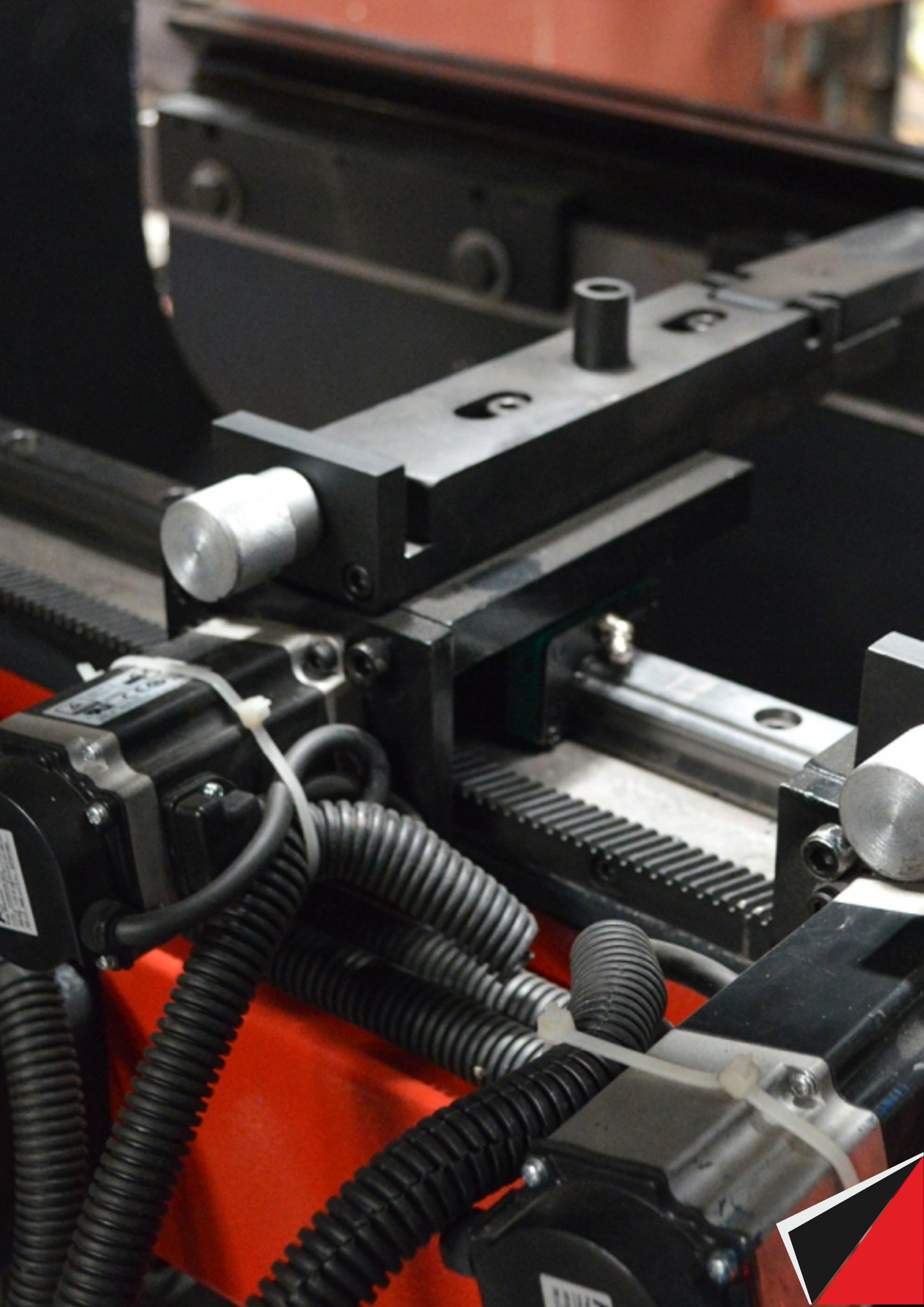
Model	WCMPB	S1	S2	S3	S4	S5	S6	S7	S8	S9
Tonnage	Ton	40	50	65	65	80	80	100	100	100
Bending Length X Thx.	mm	1500 x 3.15	2050 x 3	2050 x 4	2500 x 3	2500 X 4	3100 x 3	2500 x 5	3100 X 4	4000 x 3
Distance Between Housing	mm	1050	1550	1550	2050	2050	2550	2050	2550	3400
Y Rapid Speed	mm/sec	100	100	100	100	100	100	100	100	100
Y Working Speed	mm/sec	8	8	8	8	10	10	10	10	10
Y Return Speed	mm/sec	80	80	80	80	60	60	60	60	60
Day Light	mm	375	375	375	375	375	375	375	375	375
Table Width	mm	90	90	90	90	60	60	60	60	60
Table Height	mm	800	800	800	800	900	900	900	900	900
Stroke	mm	150	150	150	150	150	150	150	150	150
Throat Depth	mm	300	300	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	2	2	2	2	2	2	2	2	2
Travel In X Axis	mm	500	500	500	500	600	600	600	600	600
Travel In R Axis	mm(+/-)	100	100	100	100	100	100	100	100	100
Motor Power	hp/kw	5 / 3.7	7.5 / 5.5	7.5/5/5	7.5/5/5	10 / 7.5	10 / 7.5	10 / 7.5	10 / 7.5	10 / 7.5
Oil Tank Capacity	ltr	300	300	300	300	450	450	450	450	450
Length (L)	mm	1750	2500	2500	3000	3100	3500	3000	3500	4500
Width (W)	mm	1200	1300	1300	1300	1350	1400	1500	1500	1500
Height (H)	mm	2350	2400	2400	2400	2450	2450	2600	2450	2600

Model	WCMPB	S10	S11	S12	S13	S14	S15	S16	S17	S18
Tonnage	Ton	130	130	130	160	160	160	200	200	200
Bending Length X Thx.	mm	2500 x 6	3100 x 5	4000 x 4	2500 x 8	3100 X 6	4000 X 5	2500 x 10	3100 X 8	4000 X 6
Distance Between Housing	mm	2050	2550	3400	2050	2550	3400	2050	2550	3400
Y Rapid Speed	mm/sec	100	100	100	100	100	100	70	70	70
Y Working Speed	mm/sec	10	10	10	8	8	8	8	8	8
Y Return Speed	mm/sec	60	60	60	70	70	60	50	50	50
Day Light	mm	375	375	375	400	400	400	475	475	475
Table Width	mm	90	90	90	90	90	90	90	90	90
Table Height	mm	965	965	965	965	965	965	965	965	965
Stroke	mm	175	150	175	175	175	175	250	225	225
Throat Depth	mm	300	300	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	2	2	2	2	2	2	2	2	2
Travel In X Axis	mm	600	600	600	600	600	600	600	600	600
Travel In R Axis	mm(+/-)	100	100	100	100	100	100	100	100	100
Motor Power	hp/kw	12.5/9	12/9	12.5/9	15/11.2	15/11.2	15/11.2	20/15	20/15	20/15
Oil Tank Capacity	ltr	450	500	450	450	500	500	450	500	550
Length (L)	mm	3100	3700	4500	3150	3500	4500	3150	3500	4500
Width (W)	mm	1600	1600	1600	1650	1650	1650	1800	1800	1800
Height (H)	mm	2750	2600	2750	2800	2700	2700	3050	2700	2700

Model	WCMPB	S19	S20	S21	S22	S23	S24	S25	S26
Tonnage	Ton	200	200	250	250	250	250	325	325
Bending Length X Thx.	mm	5000 X 5	6000 X 4	3100 X 10	4000 X 8	5000 X 6	6000 X 5	3100 x 13	4000 X 10
Distance Between Housing	mm	4000	5000	2550	3400	4000	5000	2550	3400
Y Rapid Speed	mm/sec	70	70	70	70	70	70	60	60
Y Working Speed	mm/sec	8	8	8	8	8	8	8	8
Y Return Speed	mm/sec	50	50	50	50	50	50	50	50
Day Light	mm	475	475	500	500	500	500	500	500
Table Width	mm	90	90	90	120	120	120	150	150
Table Height	mm	965	965	965	965	965	965	965	1000
Stroke	mm	225	225	225	250	250	300	250	250
Throat Depth	mm	300	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	2	4	2	3	3	4	2	3
Travel In X Axis	mm	600	600	700	700	700	700	700	700
Travel In R Axis	mm(+/-)	100	100	120	120	120	120	120	120
Motor Power	hp/kw	20/15	20/15	25/18.75	25/18.75	25/18.75	25/18.75	40/30	40/30
Oil Tank Capacity	ltr	600	600	600	600	600	600	650	650
Length (L)	mm	5500	6500	3500	4500	5500	6500	3800	4800
Width (W)	mm	1800	1800	1850	1850	1850	1850	1850	1850
Height (H)	mm	2700	2700	2800	2800	2800	2800	2900	2900

Model	WCMPB	S27	S28	S29	S30	S31	S32	S33	S34
Tonnage	Ton	325	325	425	425	425	425	600	600
Bending Length X Thx.	mm	5000 x 8	6000 x 6	3100 X 17.5	4000 x 13	5000 x 10	6000 x 8	4000 X 18	5000 x 15
Distance Between Housing	mm	4000	5000	2550	3400	4000	5000	3400	4000
Y Rapid Speed	mm/sec	60	60	50	50	50	50	50	50
Y Working Speed	mm/sec	8	8	7	7	7	7	6	6
Y Return Speed	mm/sec	50	50	50	50	50	50	40	40
Day Light	mm	500	500	550	550	550	550	625	625
Table Width	mm	150	150	200	200	200	200	250	250
Table Height	mm	1000	1000	1100	1100	1100	1100	1200	1200
Stroke	mm	250	250	300	300	300	300	325	325
Throat Depth	mm	300	300	325	325	325	325	325	325
Back Gauge Finger Block	nos.	3	3	4	4	3	4	3	3
Travel In X Axis	mm	700	700	700	700	700	700	700	700
Travel In R Axis	mm(+/-)	120	120	120	120	120	120	120	120
Motor Power	hp/kw	40 / 30	40 / 30	50/37.5	50/37.5	50/37.5	50/37.5	60/45	60/45
Oil Tank Capacity	ltr	650	650	700	700	700	700	800	800
Length (L)	mm	5800	6800	3850	4850	5550	6850	4900	5900
Width (W)	mm	1850	1850	2100	2100	2100	2100	2300	2300
Height (H)	mm	2900	2900	3000	3000	3000	3000	3200	3200

Model	WCMPB	S35	S36	S37	S38	S39	S40
Tonnage	Ton	600	600	800	800	800	800
Bending Length X Thx.	mm	6000 x 12.5	8000 X 9 mm	5000 x 20	6000 X 16	8000 X 12.5	9100 x 10
Distance Between Housing	mm	5000	7000	4000	5000	7000	8000
Y Rapid Speed	mm/sec	50	50	50	50	50	50
Y Working Speed	mm/sec	6	6	5	5	5	5
Y Return Speed	mm/sec	40	40	40	40	40	40
Day Light	mm	625	625	625	625	625	625
Table Width	mm	250	250	250	250	250	250
Table Height	mm	1250	1250	1250	1250	1250	1250
Stroke	mm	325	325	325	325	325	325
Throat Depth	mm	325	325	325	325	325	325
Back Gauge Finger Block	nos.	4	4	4	4	4	4
Travel In X Axis	mm	700	700	700	700	700	700
Travel In R Axis	mm(+/-)	120	120	120	120	120	120
Motor Power	hp/kw	60/45	60/45	60/45	60/45	60/45	60/45
Oil Tank Capacity	ltr	800	800	1000	1000	1000	1000
Length (L)	mm	6900	9000	6000	7000	9000	10100
Width (W)	mm	2300	2300	2400	2400	2400	2400
Height (H)	mm	3200	3200	3400	3400	3400	3400



MS SERIES

CNC HYDRAULIC PRESS BRAKE

The MS Series is built to offer reliable bending performance with CNC accuracy, ideal for medium-scale fabrication needs.

It combines a robust hydraulic system with intuitive controls and essential automation features, delivering consistent results across varied sheet metal applications—all at a cost-effective value point.

- 40% Less Power Consumption
- Longer Duty Cycle due to less oil heating
- Reliable Bending Accuracy
- Energy Efficient Operation
- 40% Faster Cycle Time

Engineered for versatility, the MS Series is ideal for medium-scale operations looking for reliable performance without overinvestment.

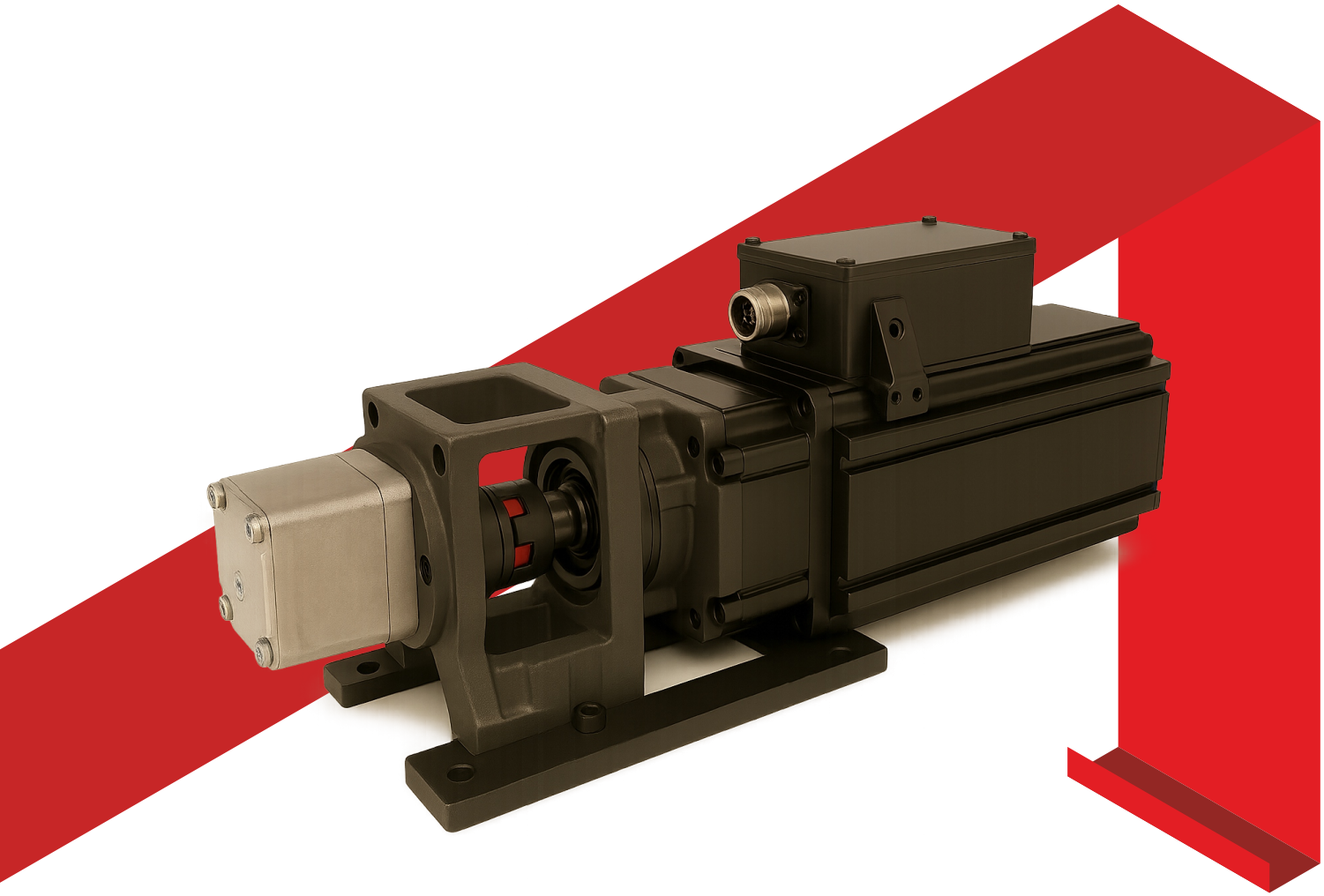
Its simplified design, paired with smart CNC integration, offers an excellent balance of control, cost-efficiency, and consistent output.

SMART.
STREAMLINES.
SOLID.

MS Series — the next generation of CNC Hydraulic Press Brakes, engineered for precision, efficiency, and reliability. Powered by a Main Servo Motor, the MS Series combines the power of hydraulic bending with the intelligent control of servo technology, offering unmatched energy efficiency and operational stability. Whether you are dealing with high-volume production or intricate bending operations, the MS Series delivers consistent, repeatable results with minimal noise and reduced maintenance.

Designed to meet the growing demands of modern industries, the MS Series is the perfect solution for sheet metal fabricators seeking cutting-edge performance and long-term cost savings in their bending needs.

- **Main Servo Motor** for energy efficiency and precision control.
- **Hydraulic Bending Power** combined with intelligent servo motion.
- **Reduced Operational Costs** thanks to Energy Savings up to 40% compared to the S Series.
- **Reduced maintenance** thanks to lower oil heating, enabled by advanced servo technology.
- **Consistent Performance** for both high-volume and precision tasks.
- **Ideal for Modern Industry Needs**, meeting the demands of evolving manufacturing environments.



Precision.
Efficiency. Performance.

The MS Series represents the future of CNC Hydraulic Press Brakes, combining cutting-edge Main Servo Motor technology with proven hydraulic power. Designed for industries that demand high-precision bending, this machine delivers:

- **Superior Energy Efficiency** with servo-driven technology
- **Enhanced Performance** through reduced oil heating during long cycles, ensuring better production rates
- **Precision Control** for accurate and repeatable results
- **Reduced Maintenance** thanks to fewer moving parts and intelligent servo systems
- **Silent Operation** for a quieter workspace
- **High Productivity** for both large and intricate jobs

The MS Series is the perfect solution for companies seeking to maximize productivity while minimizing operational costs and environmental impact.

TECHNICAL **SPECIFICATIONS**

The MS Series is engineered for manufacturers looking to achieve consistent output, reduce energy consumption, and optimize operational efficiency - all without compromising on performance or reliability.

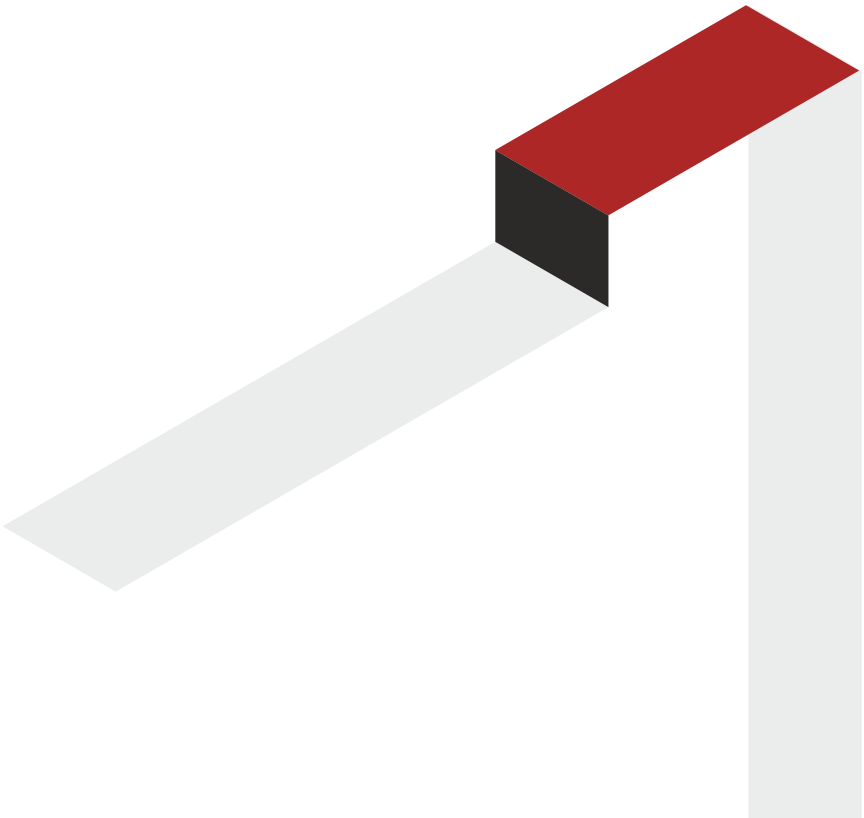
Model	MS	4015	5020	6502	6525	8025	8030	1025
Tonnage	Ton	40	50	65	65	80	80	100
Bending Length X Thk.	mm	1500 x 3.15	2050 x 3	2050 x 4	2500 x 3	2500 X 4	3100 x 3	2500 x 5
Distance Between Housing	mm	1050	1550	1550	2050	2050	2550	2050
Y Rapid Speed	mm/s	140	140	140	140	140	140	140
Y Working Speed	mm/s	10	10	10	10	10	10	10
Y Return Speed	mm/s	140	140	140	140	140	140	140
Day Light	mm	375	375	375	375	375	375	375
Table Width	mm	90	90	90	90	60	60	60
Table Height	mm	800	800	800	800	900	900	900
Stroke	mm	150	150	150	150	150	150	150
Throat Depth	mm	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	2	2	2	2	2	2	2
Travel in X- Axis	mm	500	500	500	500	600	600	600
Travel in R- Axis	mm(+/-)	100	100	100	100	100	100	100
Motor Power	kw	10 kW	10 kW	10 kW	10 kW	14 kW	14 kW	14 kW
Oil Tank Capacity	ltr	320	320	320	320	450	450	450
Length (L)	mm	1750	2500	2500	3000	3100	3500	3000
Width (W)	mm	1200	1300	1300	1300	1350	1400	1500
Height (H)	mm	2350	2400	2400	2400	2450	2450	2600

Model	MS	1003	1004	1325	1303	1304	1625	1603
Tonnage	Ton	100	100	130	130	130	160	160
Bending Length X Thk.	mm	3100 X 4	4000 x 3	2500 x 6	3100 x 5	4000 x 4	2500 x 8	3100 X 6
Distance Between Housing	mm	2550	3400	2050	2550	3400	2050	2550
Y Rapid Speed	mm/s	140	140	140	140	140	140	140
Y Working Speed	mm/s	10	10	10	10	10	10	10
Y Return Speed	mm/s	140	140	140	140	140	140	140
Day Light	mm	375	375	375	375	375	400	400
Table Width	mm	60	60	90	90	90	90	90
Table Height	mm	900	900	965	965	965	965	965
Stroke	mm	150	150	175	150	175	175	175
Throat Depth	mm	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	2	2	2	2	2	2	2
Travel in X- Axis	mm	600	600	600	600	600	600	600
Travel in R- Axis	mm(+/-)	100	100	100	100	100	100	100
Motor Power	kw	14 kW	14 kW	15 kW	15 kW	15 kW	18 kW	18 kW
Oil Tank Capacity	ltr	450	450	450	500	450	450	450
Length (L)	mm	3550	4500	3100	3500	4500	3150	3750
Width (W)	mm	1500	1500	1600	1600	1600	1700	1700
Height (H)	mm	2600	2600	2750	2750	2750	2800	2800

Model	MS	1604	2025	2003	2004	2005	2006	2503
Tonnage	Ton	160	200	200	200	200	200	250
Bending Length X Thk.	mm	4000 X 5	2500 x 10	3100 X 8	4000 X 6	5000 X 5	6000 X 4	3100 X 10
Distance Between Housing	mm	3400	2050	2550	3400	4000	5000	2550
Y Rapid Speed	mm/s	140	140	140	140	140	140	140
Y Working Speed	mm/s	10	10	10	10	10	10	8
Y Return Speed	mm/s	140	140	140	140	140	140	120
Day Light	mm	400	475	475	475	475	475	500
Table Width	mm	90	90	90	90	90	90	90
Table Height	mm	965	965	965	965	965	965	965
Stroke	mm	175	250	225	225	225	225	225
Throat Depth	mm	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	2	2	2	2	2	4	2
Travel in X- Axis	mm	600	600	600	600	600	600	700
Travel in R- Axis	mm(+/-)	100	100	100	100	100	100	120
Motor Power	kw	18 kW	25 kW	25 kW	25 kW	25 kW	25 kW	30 kW
Oil Tank Capacity	ltr	450	450	450	450	450	450	650
Length (L)	mm	4750	3150	3800	4800	5800	6900	3800
Width (W)	mm	1700	1800	1800	1800	1800	1800	1800
Height (H)	mm	2800	3050	3050	3050	3050	3050	3100

Model	MS	2504	2505	2506	3253	3254	3255	3256
Tonnage	Ton	250	250	250	325	325	325	325
Bending Length X Thk.	mm	4000 X 8	5000 X 6	6000 X 5	3100 x 13	4000 x 10	5000 x 8	6000 x 6
Distance Between Housing	mm	3400	4000	5000	2550	3400	4000	5000
Y Rapid Speed	mm/s	140	140	140	140	140	140	140
Y Working Speed	mm/s	8	8	8	8	8	8	8
Y Return Speed	mm/s	120	120	120	100	100	100	100
Day Light	mm	500	500	500	500	500	500	500
Table Width	mm	120	120	120	150	150	150	150
Table Height	mm	965	965	965	965	1000	1000	1000
Stroke	mm	250	250	300	250	250	250	250
Throat Depth	mm	300	300	300	300	300	300	300
Back Gauge Finger Block	nos.	3	3	4	2	3	3	4
Travel in X- Axis	mm	700	700	700	700	700	700	700
Travel in R- Axis	mm(+/-)	120	120	120	120	120	120	120
Motor Power	kw	30 kW	30 kW	30 kW	35 kW	35 kW	35 kW	35 kW
Oil Tank Capacity	ltr	650	650	650	650	650	650	650
Length (L)	mm	4800	5850	6800	3800	4800	5800	6800
Width (W)	mm	1800	1800	1800	1850	1850	1850	1850
Height (H)	mm	3100	3100	3100	3150	3150	3150	3150

Model	MS	4253	4254	4255	4256
Tonnage	Ton	425	425	425	425
Bending Length X Thk.	mm	3100 X 17.5	4000 x 13	5000 x 10	6000 x 8
Distance Between Housing	mm	2550	3400	4000	5000
Y Rapid Speed	mm/s	140	140	140	140
Y Working Speed	mm/s	8	8	8	8
Y Return Speed	mm/s	100	100	100	100
Day Light	mm	550	550	550	550
Table Width	mm	200	200	200	200
Table Height	mm	1100	1100	1100	1100
Stroke	mm	300	300	300	300
Throat Depth	mm	325	325	325	325
Back Gauge Finger Block	nos.	2	3	3	4
Travel in X- Axis	mm	700	700	700	700
Travel in R- Axis	mm(+/-)	120	120	120	120
Motor Power	kw	40 kW	40kW	40kW	40kW
Oil Tank Capacity	ltr	650	650	650	650
Length (L)	mm	3850	4850	5550	6850
Width (W)	mm	2100	2100	2100	2100
Height (H)	mm	3200	3200	3200	3200

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HYBRID

HYBRID DRIVE SYSTEM
WITH DUAL SERVO

The HBD Series combines the best of servo-electric and hydraulic technologies in a next-generation hybrid press brake.

Designed for high-speed, energy-efficient performance, it delivers exceptional bending accuracy, faster cycle times, and dramatically lower power consumption—making it the ideal solution for forward-thinking, precision-driven fabrication environments.

- Hybrid
- High Speed
- Better Repeatability
- 70% Less Power Consumption
- 70% Smaller Oil Tank
- Noise Less operation
- Multiple Backgauge Axis Options

Built for performance and sustainability, the HBD Series uses dual servo motors to achieve unmatched control and consistency.

With reduced oil usage, near-silent operation, and minimal maintenance, it's engineered to elevate shop-floor productivity while lowering long-term operating costs.

TECHNICAL **SPECIFICATIONS**

Every HBD model is built with precision-calibrated components and thoughtfully engineered dimensions to meet diverse bending needs. From tonnage and bending length to stroke, daylight, and motor power, the specifications reflect a perfect balance of strength, speed, and structural efficiency.

Model	HBD	5020	8025	1003	1303	1603	2003
Tonnage	Ton	50	80	100	130	160	200
Working Length	mm	2050 x 3	2500 x 4	3100 x 4	3100 x 5	3100 x 6	3100 x 8
Distance Between Housing	mm	1550	2050	2550	2550	2550	2550
Stroke	mm	200	200	200	200	225	275
Daylight	mm	400	400	400	400	450	525
Throat	mm	400	400	400	400	400	400
Table Width	mm	60	60	60	90	90	90
Table Height	mm	850	900	900	965	965	965
Approach Speed	mm/s	200	200	200	200	170	150
Pressing Speed	mm/s	10	10	10	10	10	10
Return Speed	mm/s	170	170	170	170	140	120
Power Consumption	kw	10	10	10	10	12.5	15
Back Gauge Finger Block	nos.	2	2	2	2	2	2
X-Axis Travel	mm	500	600	600	600	600	600
R-Axis Travel	mm	100	100	100	100	120	120
Oil Tank	Ltr.	70	70	70	70	85	100
Length	mm	2445	2895	3495	3500	3550	3600
Width	mm	1500	1750	1750	1750	1800	1850
Height	mm	2750	2895	2970	3050	3130	3210

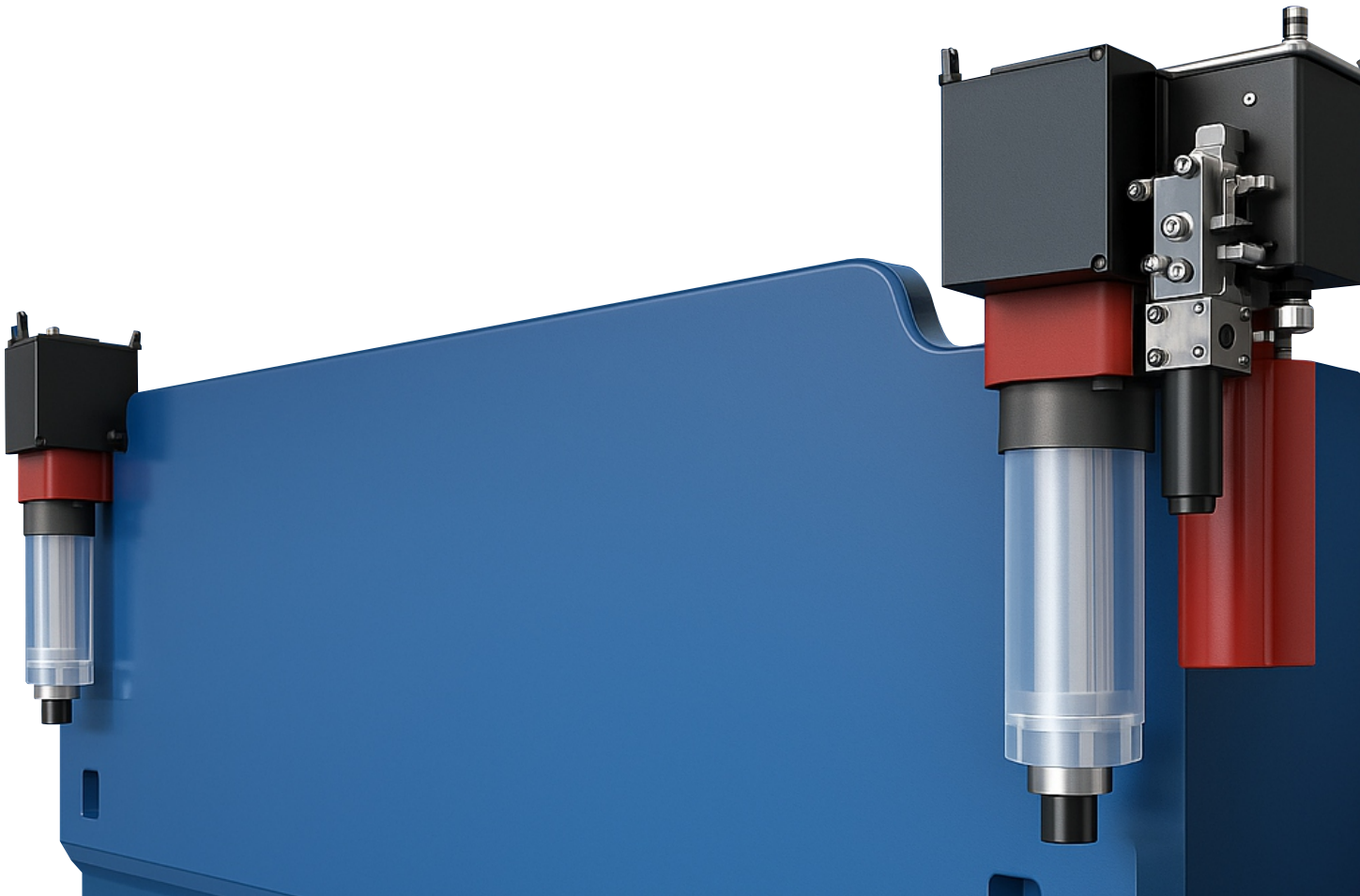
BENDING

HYBRID DRIVE TECNOLOGY

Redefining Bending Performance with Hybrid Precision
Introducing our next-generation Hybrid Press Brake (Dual Servo) — a breakthrough in sheet metal forming technology that outpaces traditional hydraulic systems on every front. Designed for speed, precision, and sustainability, this press brake delivers

- Up to 70% lower power consumption
- 70% smaller hydraulic oil requirement
- Significantly higher bending speeds
- Exceptional repeatability and positional accuracy
- Near-silent operation for improved shop-floor comfort

Powered by a Dual Servo System, this hybrid solution ensures precise, high-speed motion control with reduced thermal impact and virtually zero energy waste during idle time. Whether you're targeting productivity, cost-efficiency, or environmental responsibility — this is the future of bending.



BENEFITS OF THE **POWER, PRECISION & SUSTAINABILITY**

The HBD Series redefines performance standards in press brake technology by combining dual servo motor systems with intelligent hybrid hydraulics. Engineered for manufacturers who demand uncompromising accuracy and energy-conscious solutions, the HBD Series offers:

- **Dual Servo Efficiency** that delivers high dynamic response and significant energy savings
- **Superior Bending Accuracy** through closed-loop control for consistent, repeatable results
- **Lower Oil Usage** with a compact hydraulic circuit, reducing heat generation and environmental impact
- **Fast Cycle Times** for improved throughput and shorter production cycles
- **Minimal Noise & Vibration** enhancing operator comfort and working conditions
- **Reduced Maintenance Downtime** due to a simplified system with fewer components

The HBD Series is the ideal press brake for forward-thinking fabricators who value precision, performance, and long-term sustainability—without compromise.

PREMIUM

CNC HYDRAULIC PRESS BRAKE

The Premium Series represents Weldor's highest standard in CNC hydraulic press brake technology - designed for demanding applications where precision, speed, and flexibility are non-negotiable.

With advanced controls, enhanced daylight and stroke, and superior crowning systems, it delivers unmatched performance for complex bending tasks and high-volume production alike.

- **Highly Accurate**
- **Faster Speeds**
- Heavier Structure
- Laser Angle Correction (Opt)
- Hydraulic Punch Adaptors (Opt)
- Main Motor Servo (Opt)
- Larger Daylight & Stroke
- Multiple Backgauge Axis Options

From aerospace to structural fabrication, the Premium Series adapts seamlessly to diverse industry needs.

Its multi-axis backgauge options, intuitive CNC interface, and high-speed hydraulic system ensure faster setups, accurate repeats, and smoother workflows - making it the ideal choice for precision-driven production environments.

PRECISION BUILT
FOR GLOBAL STANDARDS

Engineered for industries where accuracy, speed, and reliability are non-negotiable, the Premium Series Press Brakes represent the pinnacle of Indian manufacturing with global competitiveness. Designed to meet and exceed the highest global standards in precision press brake technology., this model is purpose-built for demanding applications across Aerospace, Defense, Railways, and other high-precision sectors.

Developed with export markets in mind — including USA, Europe, Russia, and the Middle East — the Premium Series combines heavy-duty structural integrity with advanced motion and control systems.

- **Optional Servo Main Drive** for energy-efficient performance; standard configuration includes a robust IE3 Class Induction Motor.
- **Close-Loop Servo Hydraulic System** with 3-block architecture for consistent pressure and position control.
- **Frame Precisely Machined** with bed and ram hand-scraped for optimal flatness and surface finish—ensuring maximum bending accuracy.
- **Induction Hardened Cylinder Rods** for enhanced durability, wear resistance, and long-term reliability under high-pressure operations.
- **High-Precision Linear Scales** with 1-micron accuracy for exceptional repeatability.
- **Aesthetic and Functional Guarding Design** enhancing both safety and machine appeal.
- **Quick-Change Tool Adapters** with locking and anti-fall safety features.
- **Standard Laser Safety System**, with optional Motorized Height Adjustment for added automation from Fiessler Elektronik GmbH & Co. KG, Germany.
- **All Safety Guards Equipped** with Interlocks to ensure operator protection.

The Premium Series is your ideal solution for ultra-high precision bending, providing the performance and sophistication required by the world's most demanding industries.

BENEFITS OF THE **STRENGTH. ACCURACY. RELIABILITY.**

The Premium Series defines the next generation of CNC Press Brakes, built for industries where ultra-high precision, repeatability, and structural durability are essential. Designed and manufactured in India to meet international standards, this model is ideal for demanding sectors such as aerospace, defense, and railway manufacturing.

- **Global-Grade Accuracy** with 1-micron linear scale feedback and closed-loop servo hydraulics
- **Heavy-Duty Structure** for stable, vibration-free bending even in the toughest applications
- **Flexible Drive Options** including a standard IE3 Class Induction Motor and optional Main Servo Motor
- **Induction Hardened Cylinder Rods** for extended wear life and reliability
- **High-Speed, Repeatable Performance** through precision-machined frame and hand-scraped components
- **Advanced Safety Features** including interlocked guards, laser protection, and optional auto-adjusting systems
- **Modern Aesthetic with Functional Guarding** for a professional and safe workspace

The Premium Series is the ideal solution for manufacturers seeking world-class performance, low maintenance, and exceptional accuracy - ready to meet the most stringent global demands.

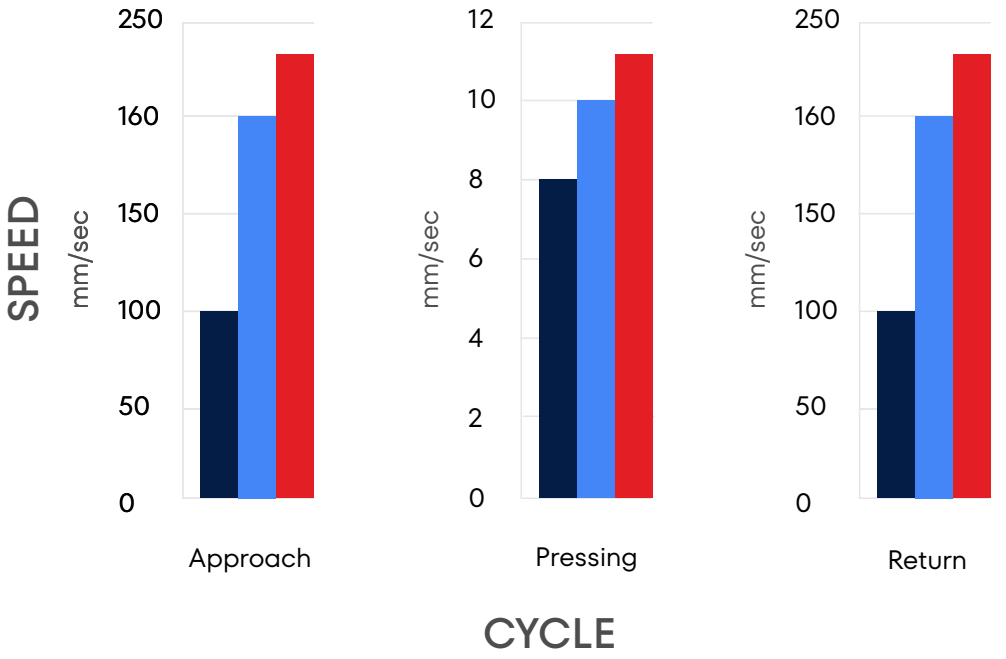
TECHNICAL **SPECIFICATIONS**

Every Premium Series model is built with precision-calibrated components and thoughtfully engineered dimensions to meet diverse bending needs. From tonnage and bending length to stroke, daylight, and motor power, the specifications reflect a perfect balance of strength, speed, and structural efficiency.

Model	PS	5020	8025	1003	1303	1603	2003
Tonnage	Ton	50	80	100	130	160	200
Working Length	mm	2050 x 3	2500 x 4	3100 x 4	3100 x 5	3100 x 6	3100 x 8
Distance Between Housing	mm	1550	2050	2550	2550	2550	2550
Stroke	mm	250	250	250	250	250	250
Daylight	mm	520	520	520	520	520	520
Throat	mm	400	400	400	400	400	400
Table Width	mm	60	60	60	90	90	90
Table Height	mm	850	900	950	965	965	965
Approach Speed	mm/s	200	200	200	200	170	160
Pressing Speed	mm/s	14	14	14	14	12	10
Return Speed	mm/s	170	170	170	170	130	120
Power Consumption	kw/hp	7.5 / 10	15 / 20	15 / 20	20 / 25	22 / 30	30 / 40
Back Gauge Finger Block	nos.	2	2	2	2	2	2
X-Axis Travel	mm/s	500	600	600	600	600	600
R-Axis Travel	mm/s	100	100	100	120	120	120
Oil Tank	ltr.	320	420	420	420	420	420
Length	mm	2950	3400	3850	3900	3900	4000
Width	mm	1650	1750	1750	1800	1800	1850
Height	mm	2750	2850	2850	2900	2950	3050

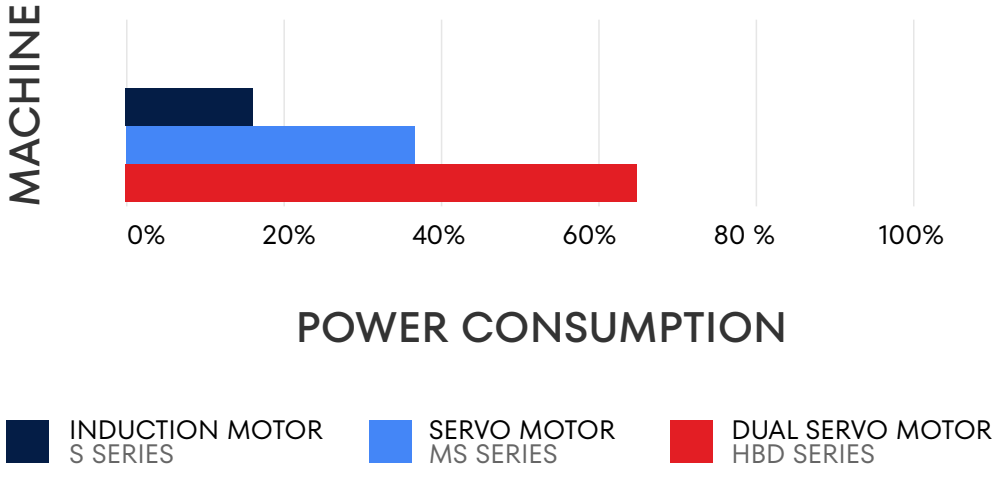
SPEED

Designed for speed, the HBD Series outperforms traditional press brakes in every cycle. This chart illustrates the rapid approach, bending, and return speeds that boost overall productivity.



POWER EFFICIENCY

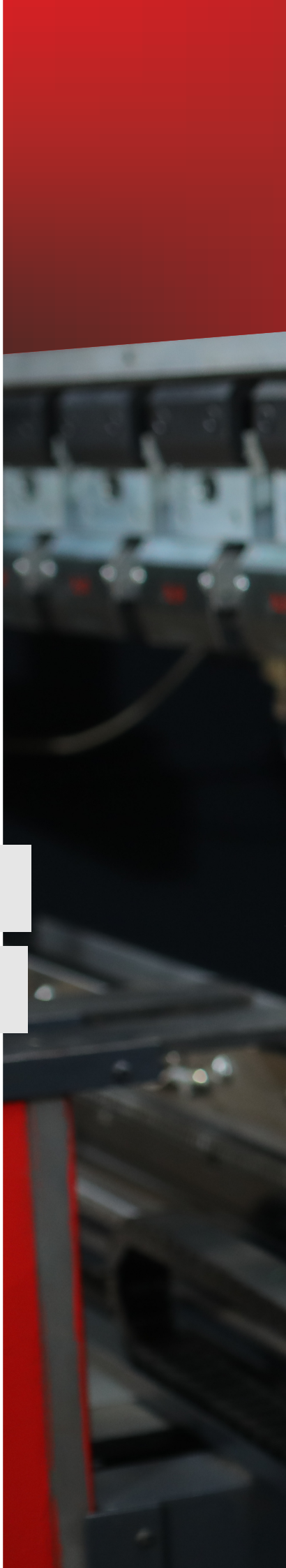
The HBD Series delivers significant energy savings—clearly visible when compared to conventional hydraulic systems. This chart highlights the dramatic drop in power consumption without compromising on performance.



COMMON ACCESSORIES

Our carefully engineered range of accessories allows every machine to be customized for specific fabrication needs, whether you're working with delicate materials, complex geometries, or high-volume production. From smart CNC controls and advanced crowning systems to safety enhancements, these add-ons enhance precision, productivity, and ease of use.

Choosing the right accessories depends on your application, material thickness, bending accuracy requirements, and shop-floor workflow. Our modular accessory options ensure that you only invest in what truly serves your operation. Whether you're upgrading for performance, safety, or speed, Weldor offers the configuration support you need to build a press brake that works exactly the way you do.



Controller Options

Crowning Systems

Backgauge Axis Options

Tool Holding Systems

Safety Systems

Optional Accessories


ROL200 HYD
ROLLER
Extreme line
ROL2 HYD

CONTROLLER OPTIONS

Weldor offers a versatile range of advanced CNC controller options to suit every level of complexity and operator preference. From intuitive touch interfaces to multi-axis control systems, these controllers streamline operations, reduce setup time, and enhance bending accuracy. Whether you're working with simple parts or intricate profiles, there's a controller perfectly tailored to your production needs — ensuring efficiency, ease of use, and long-term reliability.

CYBTOUCH **8 PS**

As part of the CybTouch range, it has an inducive and vivid color touch screen and a high integration of functions. Thanks to its interactive touch software interface with large keys, on-line help, and many other automatic functions that constantly guide the operator, CypTouch 8 is as simple as a positioner control. CybTouch 8 comes with a robust, modern and streamlined housing specially designed to be mounted on an arm.

CYBTOUCH **12PS**

- Large touchscreen, with vivid colors & high contrast.
- Hand drawing touch profile function.
- Simple pages, clear display, large keys.
- Intuitive and user-frindly interface.
- Complete programming for efficient with multiple bends.
- 4 Axis control (Y1-X-R).
- Touch profile 2D graphic part creation with automatic sequencing.

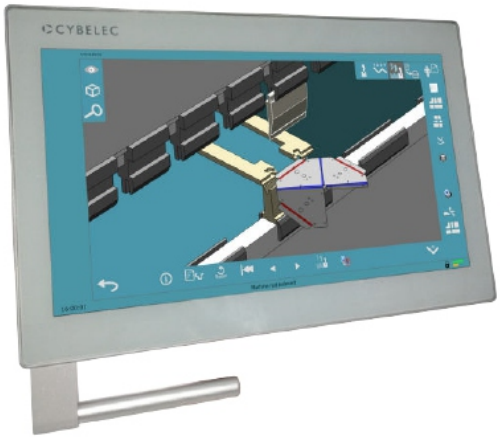
CYBTOUCH **15PS**

- 15" modern streamlined glass surface touch screen that can be usedwith gloves.
- 4 or 6 axis control in a compact housing.
- Z1, Z2 axis (Requires CybMVA module for Y1, Y2).
- Tandem management.
- Wide storage capacity.
- Internal backup and restore functions.
- Wireless communication fro extended diagnostics and updated(with laptop).

VISITOUCH **19**

- 19" modern streamlined glass surface touch screen that can be used with glovers.
- User friendly HMI, thanks to intuitive programming.
- 2D graphical profile drawing (Touch profile) and MX viewer (3D).
- Automatic bending sequence calculation.
- All kinematics available.
- For X, relatives, Xslave, R, Rslavve & Zaxis.
- For back & front multiples gauge.
- For bending aids.

CONTROLLER OPTIONS



VISITOUCH **24 MX**

- Large 24" all-glass touchscreen (glove-friendly) with integrated CNC board
- Full 3D bending simulation with DXF and 3D file import/export
- Controls up to 26 axes via CANopen® and EtherCAT® protocols
- Smart automation tools: automatic bend sequencing, tooling, gauging & segmentation
- Industry 4.0-ready with Windows 10, remote networking, barcode support & robot communication
- Advanced features: tandem operations, hemming, angle measurement, dynamic crowning, and part grouping
- OEM-friendly with auto-tuning wizards, plug-ins, and open customization architecture

VISITOUCH **DUAL**

- Dual-Screen Setup: Primary screen runs the VisiTouch interface; secondary screen displays 2D/3D views, PDFs, or drawings
- Enhanced Productivity: Work on live bending programs while referencing documents or visuals simultaneously
- Reduced Errors: Parallel display of technical data helps improve focus, accuracy, and decision-making
- Streamlined Workflow: No need to switch between tabs or printed documents—everything stays visible and accessible
- Compact & Cohesive: Integrated hardware design keeps the operator interface clean, efficient, and user-friendly
- Mounting Ready: Includes 19" touchscreen console and optional dual screen mounting parts with required cabling

ROCK **12+**

- Wide-screen capacitive touchscreen interface with intuitive navigation
- Available in two levels: Easy (basic bend table) and 3D Profile (advanced simulation)
- Supports 4 to 6 axis control, with quick fine-tuning via real-time monitoring tools
- Compatible with conventional and hybrid press brakes; ideal for upgrades or compact systems
- Industry 4.0 ready with Team Viewer remote assistance and Linux-based OS for stability

ROCK **15+**

- Large 15.6" wide-screen capacitive touch panel with intuitive interface
- Offers both Standard 3D and 3D Profile programming with simulation & collision detection
- Controls up to 8 axes, ideal for advanced multi-axis press brakes
- Quick Editor, tool navigator, and oscilloscope functions for faster setups and diagnostics
- Fully Industry 4.0 ready with TeamViewer remote access and smart production scheduling

ROCK **17+**

- Intuitive touchscreen interface with Standard 3D programming and DXF import
- Controls up to 12 axes with automatic bend sequence, tooling, and collision detection
- Advanced tool navigator, flat pattern export, and real-time system tuning tools
- Fully Industry 4.0 ready with remote assistance, production scheduling, and IoT support
- Sleek design built for high-performance bending with long product life

ROCK **22+**

- Large, high-resolution touchscreen with Advanced 3D programming and IGES/STEP file import
- Controls up to 12 axes with real-time collision detection, flat pattern export, and automated bend sequencing
- Fully Industry 4.0 ready with cloud monitoring, remote programming, and MQTT/MT Connect integration
- Includes scheduled maintenance management, material sampling, and multi media-assisted setup
- Ideal for smart factories & high-performance press brakes requiring precision, connectivity, and speed

ROCK DUAL **22**

(With Standard 3D or Advanced 3D Options)

- Smart virtual dual monitor interface for streamlined production visibility
- Standard 3D programming with optional IGES/STEP part import (Advanced 3D)
- Industry 4.0 ready with remote access, maintenance scheduling & cloud reporting
- Controls up to 12 axes with advanced bend sequence simulation and DXF export
- Compact Motion3 or Motion4 module for full press brake motion control

ROCK DUAL **27**

(With Standard 3D or Advanced 3D Options)

- Larger, capacitive dual touchscreen with full multimedia display capability
- Enhanced processing with 4 analog inputs and Motion4+ module support
- Integrated LVDT feedback and double valve control (Motion4+ only)
- Supports TeamViewer-based remote diagnostics and IoT communication via MQTT
- Full 3D simulation with automatic tool selection and collision detection

STANDARD SET OF TOOLING OPTIONS

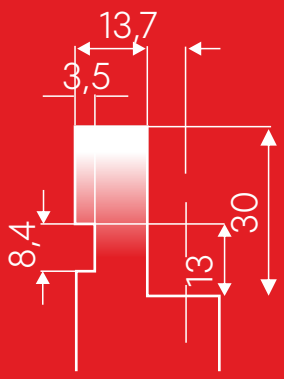
Weldor offers a carefully selected range of standard tools designed to meet the most common bending requirements with precision and durability. All tools are manufactured using high-grade alloy steel and undergo heat treatment to ensure long life and consistent performance.

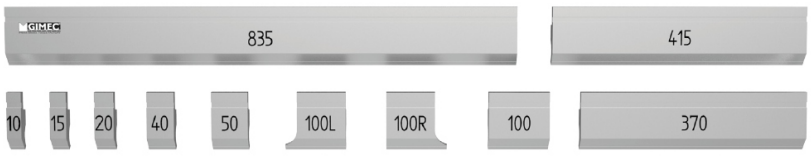
Punches:
Standard straight punches
Gooseneck punches
(for deeper bends)

Material Compatibility:
Suitable for mild steel, stainless steel, aluminum, and other industrial metals

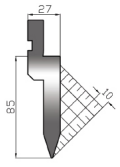
Dies:
Single V-dies
Multi-V dies (optional)
Narrow & wide opening dies for varied thicknesses

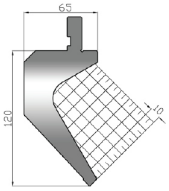
Amada Promecam
European Style

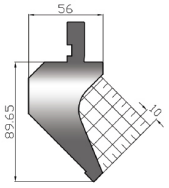


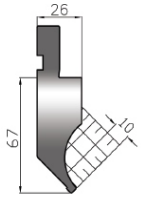


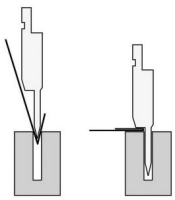
Standard Segments

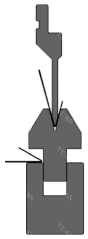

Straight Punch

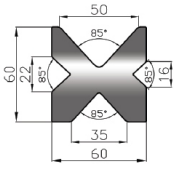

Full Gooseneck Punch (P150)

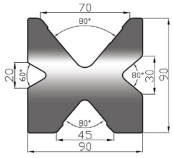

Full Gooseneck Punch (P120)

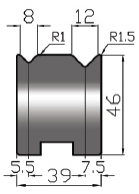

Semi Gooseneck Punch (P97)

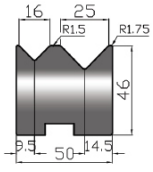

Hemming Tools

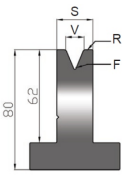

Spring Loaded Hemming Die

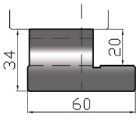

4V Die (60x60)

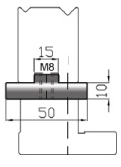

4V Die (90x90)


2V Die (V8,12)


2V Die (V16,25)


Single V Die


L Base


T Rail

BACKGAUGE

The high-precision backgauge combines speed and accuracy with AC servo drives and KK guides for rapid positioning. Its low-profile design and fine-tuning feature ensure reliable support and perfect alignment for complex jobs.

Backgauge Axis Options for Custom Bending Needs

Standard Configuration:
Single-axis backgauge (X-axis: front & back movement)

Optional Upgrades for Complex Jobs:
R-axis: Up & down movement of backgauge
Z1, Z2 axes: Lateral movement for independent finger positioning
X1, R1 (slave to X & R): Enable enhanced control and flexibility

Available Axis Configurations:
2-axis: X, R
4-axis: X, R, Z1, Z2
5-axis: X, X\, R, Z1, Z2
6-axis: X1, X2, R1, R2, Z1, Z2 (on request)

High-Precision Backgauge Designed for Accuracy & Speed

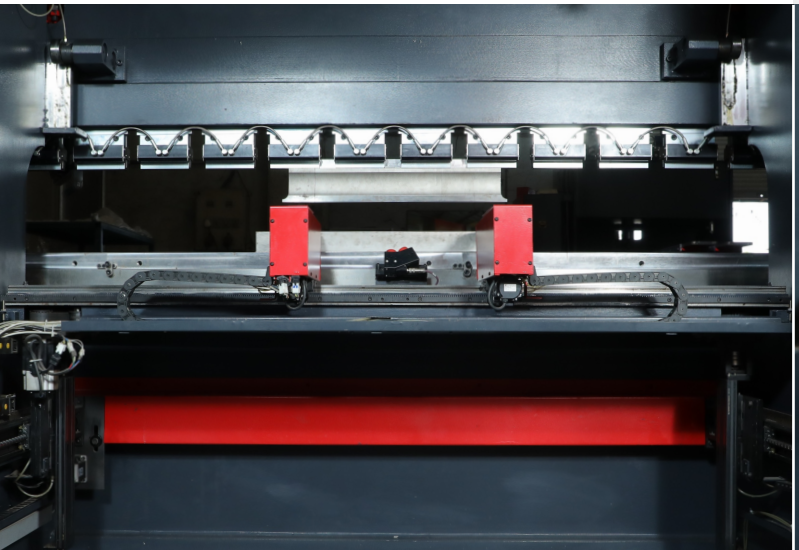
High Accuracy Design: Specially engineered for precise and stable gauging in demanding applications

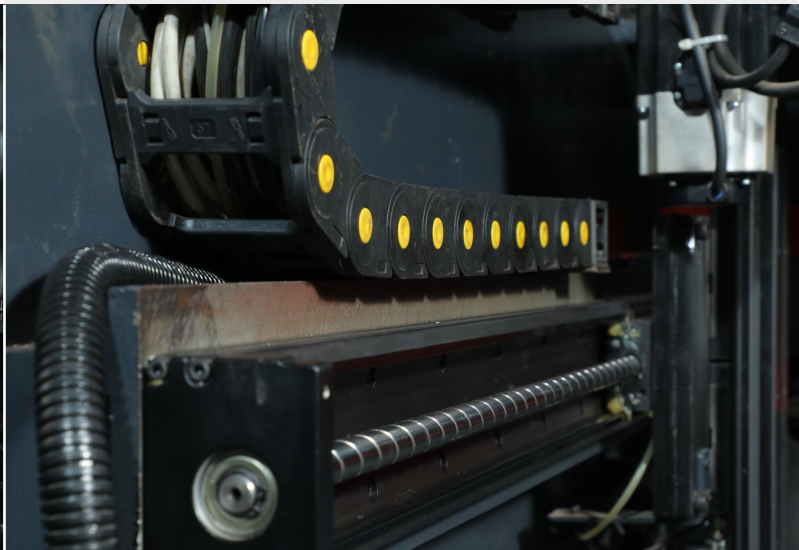
Efficient Performance: Combines payload capacity with positioning accuracy for consistent resultsHigh-Speed Movement:KK guide system on all axes enables fast finger positioning – as fast as the operator can move the part

Precision Control: All axes driven by AC servo motors for perfect, repeatable positioning

Operator-Friendly Design: Low-profile backgauge allows parts to rest over the finger slot for better support and alignment

Fine Adjustment Knob: Manual 0.1 mm fine-tuning knob enables micro-adjustments for critical setups





STANDARD **PUNCH HOLDERS**

- Standard **quick release punch holders** ensure faster tool set-up.
- **Long life** due to bolting mechanism.
- Heavy in design - can **withstand higher loads by holding maximum metal** from the ram.
- Rotation of lever locks punch into place **no need for wrench**.

OPTIONAL **PUNCH HOLDERS**

- **Automatic hydraulic tool alignment** - upper and lower holders are hydraulically activated to align tools automatically **(without bolts)**
- Drop prevention system - **safety wedges make tool changes safer and faster and protects tools** from damage caused by dropping.
- **Reduced set-up time** - the amada type modular tooling system is engineered to **reduce set-up time by 50%**

CROWNING SYSTEMS

NATURAL PASSIVE CROWNING
UP TO 100 TON

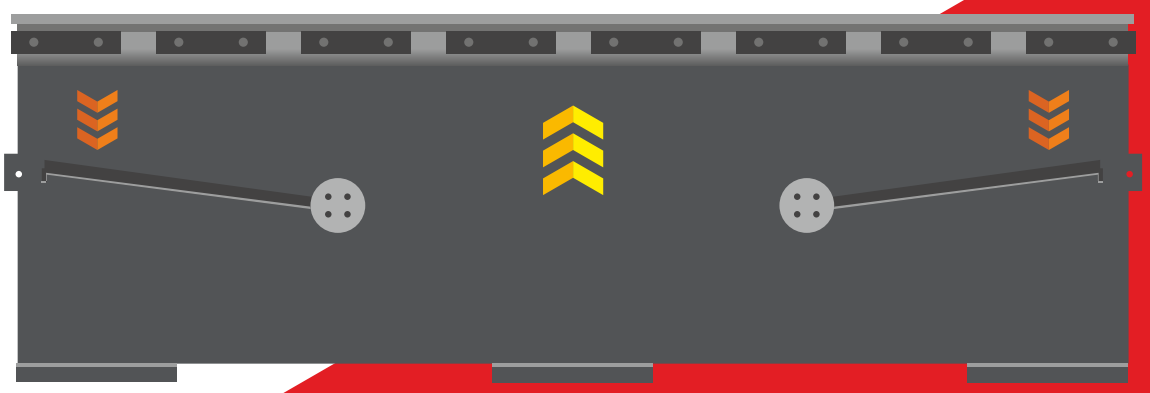
For Press Brakes up to 100 Ton capacity and 4000 mm bending length, Slit-Type Passive Crowning offers a simple and effective natural compensation method.

This system is a form of natural crowning, achieved by incorporating precision slits in the lower beam. These slits allow controlled and uniform flexing of the bed during bending, naturally counteracting the ram deflection without the need for active crowning systems.

KEY BENEFITS

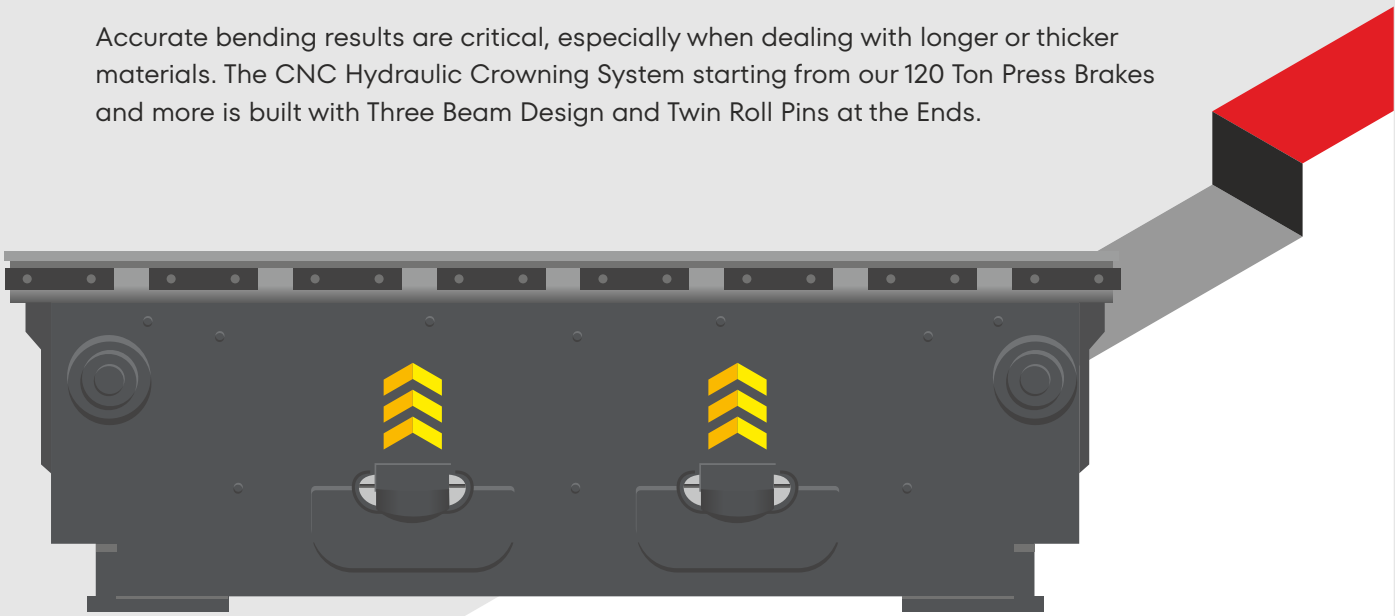
- Ideal for machines up to 100 Ton & 4000 mm Length.
- Maintenance-free — no moving parts or adjustments required
- Provides consistent bend angles across the full length
- Cost-effective in a long-run and reliable for standard bending applications

Slit-type passive crowning ensures accurate and repeatable results, while maintaining structural simplicity and long-term durability.



WCM'S HYDRAULIC CROWNING SYSTEM
STARTING FROM 120 TON & MORE

Accurate bending results are critical, especially when dealing with longer or thicker materials. The CNC Hydraulic Crowning System starting from our 120 Ton Press Brakes and more is built with Three Beam Design and Twin Roll Pins at the Ends.



THREE BEAM DESIGN **FOR RIGIDITY AND LOAD BALANCE**

Unlike traditional designs, WCM's press brakes feature a three-beam structure:

- Top Beam (Ram)
- Bottom Beam (Bed)
- Intermediate Crowning Beam (Floating beam)

This intermediate crowning beam is hydraulically controlled and positioned between the ram and the bed. It provides active compensation against deflection during bending. This ensures:

- Consistent angle accuracy across the full length of the job
- Superior bending precision even on thicker sheets or long components
- Less manual correction and no shimming required by the operator

TWIN ROLL PINS AT ENDS **FOR ROBUST AND UNIFORM SUPPORT**

At both ends of the crowning beam, WCM uses twin hardened roll pins. These roll pins:

- Offer precise guided movement of the crowning beam
- Ensure uniform pressure distribution across the die length
- Prevent lateral shifting or misalignment of the beam during heavy load bending

This enhances tool life, maintains die alignment, and reduces wear and tear on the machine.

OPERATOR'S **SAFETY**

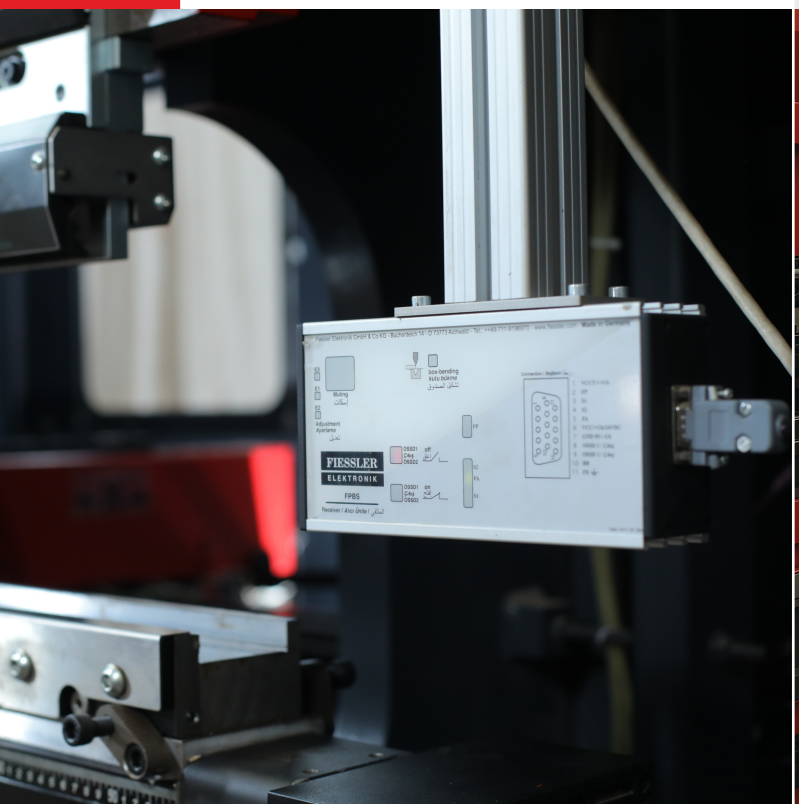
Safety interlocks in rear door and side guards provides simple operation without the need for programming by the machine operator.

Fiessler laser hand safety device from Germany protects **user's hand while bending to avoid any fatal injuries - creating overall safety** for the company and less rejections in jobs.

AUTOMATIC **SHEET FOLLOWERS**

To enhance performance while improving operator safety, premium seres press erakes can be **equipped with and automated work follower system**.

Heavy sheets/plates can be loaded in throughout lenght in order to **decrease human errors and help save labour & time while achieving efficiency** in work



LASER ANGLE CORRECTION

Laser Angle Correction
From **- dataM Engineering GmbH Germany**

The lasercheck system enhances the working accuracy in production time. **two laser beams constantly monitors** the angle beng bent and sends reading from the strain gauge in real time to the CNC system.

The CNC system then corrects the angle by inching the ram. therefore, enabling the user to **achieve perfect 90° or any set angle in the first bend.**

Real-Time Monitoring
Dual laser beams continuously measure the bending angle during production.

Instant CNC Feedback:
Data from strain gauges is sent directly to the CNC system, enabling live adjustments.

Perfect First-Bend Accuracy:
The ram auto-corrects in micro-steps, ensuring precise 90° or any desired angle from the very first bend.


WELDOR®
CNC MACHINES

BEND | FOLD | PUNCH | ROLL | V-GROOVE

GSTIN: 24AADCW9864G1ZX | CIN: U28229GJ2024PLC157041
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Survey No. 240, Behind Giriraj Oil Mill Veraval, Kotada Sangani, Shapar, Rajkot - 360024, Gujarat