



PRODUCT CATALOG '26



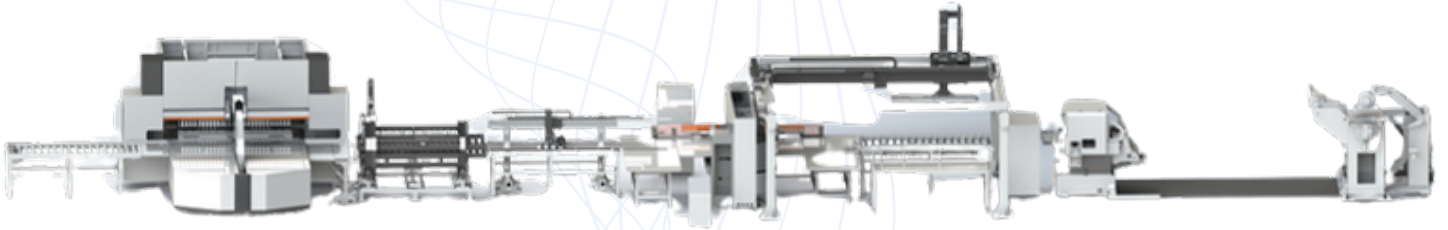
1 Who Are We?

2 Press Brakes

4 Press Brake Main Components

5 Press Brake Models and Technical Diagram

8 Press Brake Control Panel Options



9 Full Automatic Panel Bender

10 Full Automatic Panel Bender Models and Technical Diagram

11 Semi Automatic Panel Bender Models and Technical Diagram

12 PANDER 12S-212

13 Press Brake Moulds

14 References

15 Contact



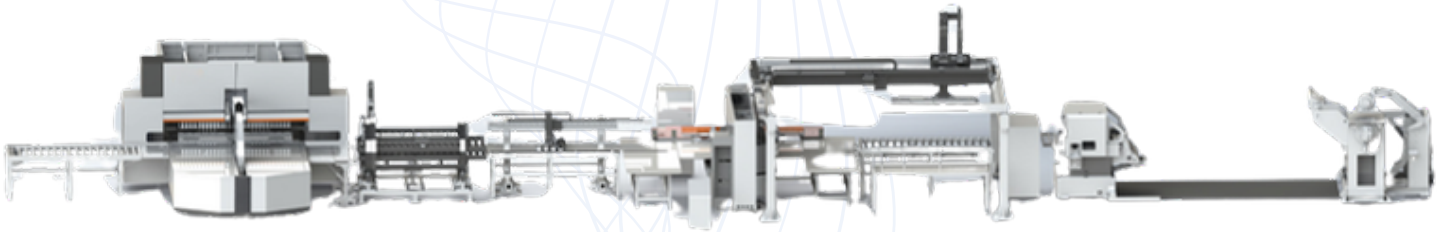
1 Who Are We?

2 Press Brakes

4 Press Brake Main Components

5 Press Brake Models and Technical Specifications

8 Press Brake Control Panel Options



9 Full Automatic Panel Bender

10 TFull Automatic Panel Bender Models and Technical Specifications

11 Semi Automatic Panel Bender Models and Technical Specifications

12 PANDER 125-212

13 Press Brake Moulds

14 References

15 Contact



Your Reliable Solution Partner for Industrial Equipment

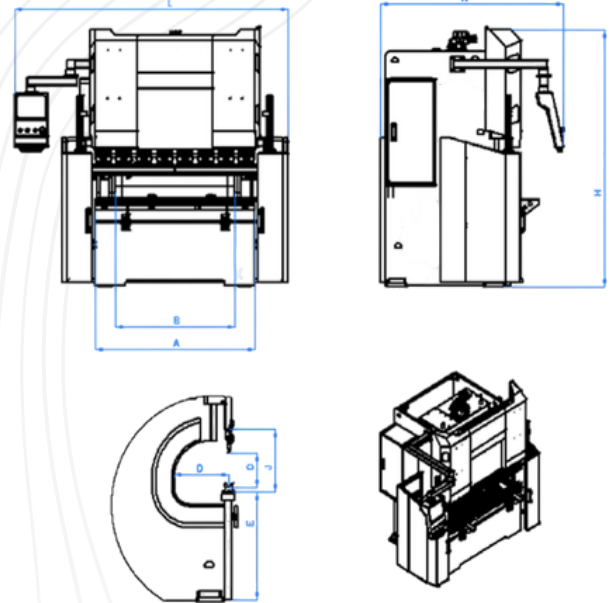
Şahmaksan Makina was established in 2021 with 17 years of industry experience and specializes in industrial equipment such as sheet metal processing machines, press brakes, panel benders, and laser hand welding. In addition to sales of new and second-hand machines, it provides uninterrupted production support through its service offerings. With a wide stock of spare parts and consumables, the company offers time and cost savings to its customers. Furthermore, it develops services that increase efficiency through production line systems and unmanned production solutions. By investing in technology and keeping up with industry innovations, our company operates with the vision of being a reliable business partner.



Our press brakes are manufactured by our expert team with extensive know-how and experience. Our industry expertise enables us to deliver high-quality, reliable press brake solutions.

In our production process, we place particular emphasis on a rigid, monoblock frame structure to ensure maximum durability and performance. Thanks to this structure, it offers an ideal solution for precise and high-speed bending operations.

The high-quality components and advanced technology we use in manufacturing not only ensure consistent and reliable performance but also guarantee long service life. Our production process, where every detail is meticulously examined, is designed to meet our customers' expectations at the highest level.



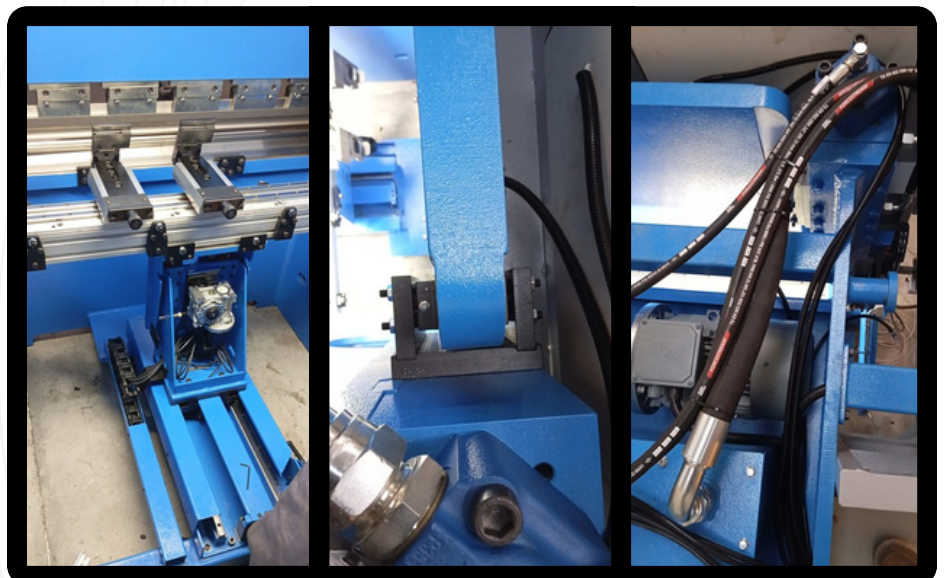
Mini Press Brake: SZ-520

The Şahmaksan Hydraulic Press Brake is designed to meet your industrial bending needs and maintains excellent performance even under the most demanding operating conditions. With our commitment to reliability, precision, and durability, we continue to support our customers in simplifying their operations and increasing productivity.

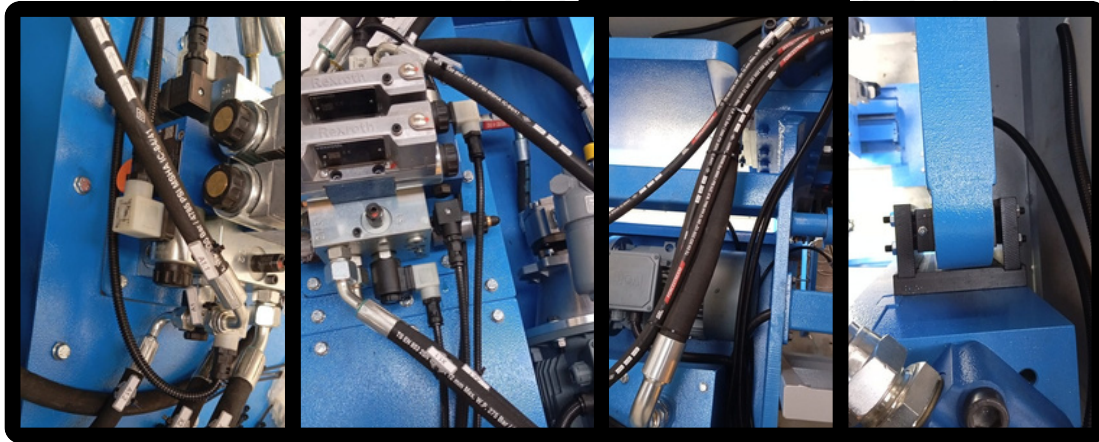


SD-31135

By default, it features a 2-axis back gauge with large support fingers. A high-precision 4-axis back gauge mechanism can also be configured (left). To enhance squareness accuracy, a slide system connected to the cylinder is included (center). The front filling hoses are manufactured as hydraulic hoses rather than transparent ones to prevent air intake (right).



Our press brakes offer an animated pre-bend preview on a graphical display, allowing potential errors during production to be prevented.

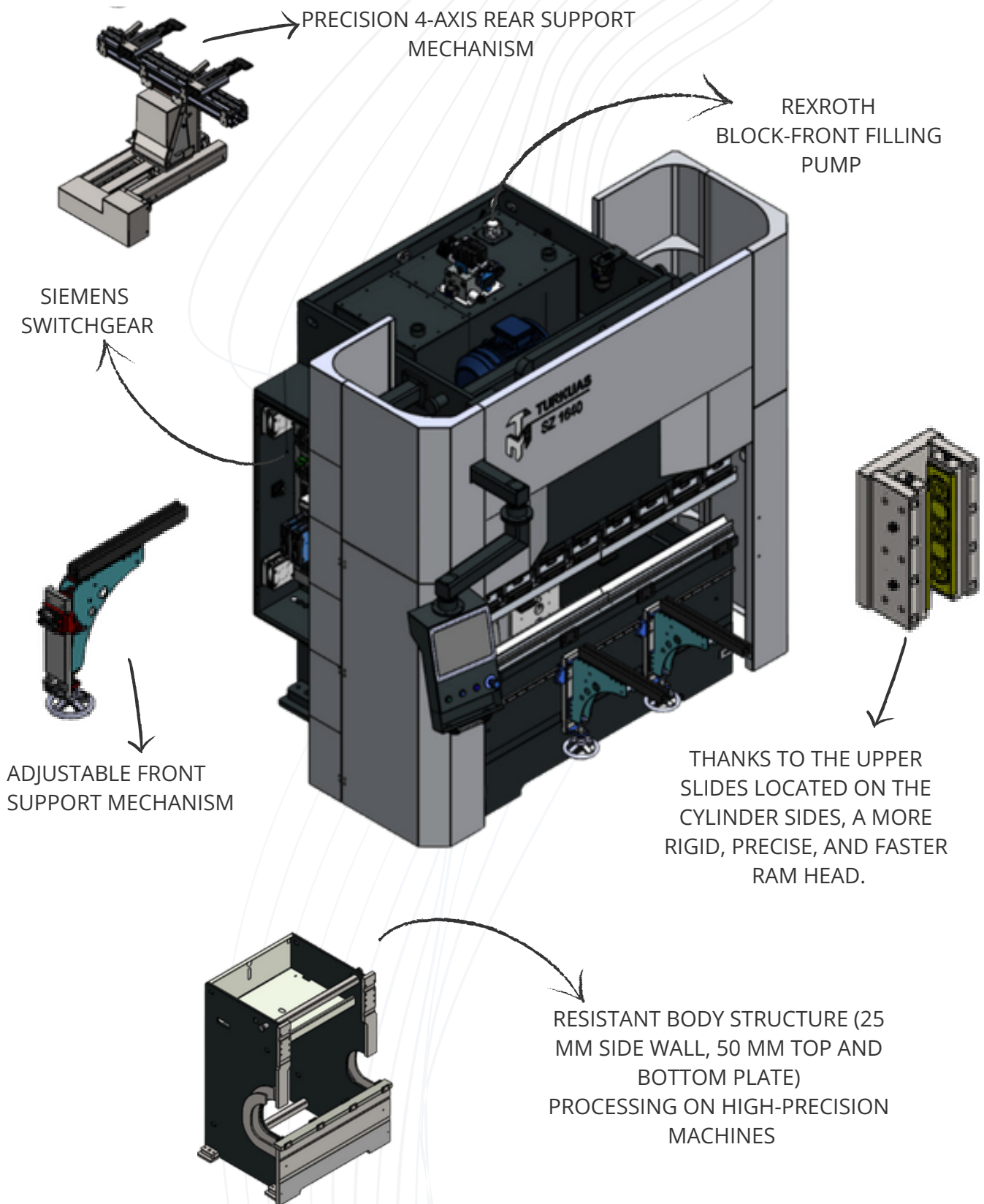


Engineered and Labeled Electrical Panel – Hydraulic Circuit Diagram

With a labeling system you won't find on most brands, your machine incorporates the required engineering standards. This puts full control of safety and technical aspects in your hands.

Advantages of Labeling the Hydraulic Circuit Diagram	Advantages of a Labeled Electrical Panel	Financial Benefits
<u>Reduces Troubleshooting Time</u> In a labeled diagram, components like the pump, pressure relief valve, directional control valve, cylinder, and sensors directly match the physical ones, ensuring that: Where is the pressure drop? Which valve causes the synchronization slip? In which line does backflow occur? Is the limit switch being triggered? questions are analyzed systematically.	<u>Reduces Fault-Finding Time by 50-80%</u> In case of a fault, the following can be identified within minutes: - Which output is active - Which fuse has blown - Which I/O card reports an error <u>Traceability of the Safety Chain</u> In press brakes, critical safety circuits include: Emergency Stop, Light Curtain, Two-Hand Control, Back Gauge Safety, and Upper Die Guard. <u>Without a labeled project, the safety chain is untraceable, raising bypass and accident risks.</u>	The indirect economic benefits of a labeled system include reduced downtime, lower production losses, fewer incorrect part replacements, decreased accident risk, lower service costs, and long-term cost savings.
<u>Reduces Risk of Incorrect Intervention</u> In press brakes (250–400 bar, proportional/servo valves, dual-cylinder), wrong line intervention can cause: Cylinder asymmetry Table deflection Mould breakage Operator safety risk <u>A labeled diagram shows maintenance personnel the correct circuit.</u>	<u>Prevents Unauthorized Intervention</u> A labeled, engineered panel prevents random wiring, exposes non-standard connections, and detects unauthorized modifications. <u>Energy Efficiency and Service Management</u> Phase overloads, voltage drops, and harmonics can be detected early, enabling accurate spare parts orders, fast service, and easy remote support.	<u>In Short</u> Labeled hydraulic + engineered electrical panel: Provides system transparency, Improves intervention quality, Enhances safety levels, Facilitates revisions and modernizations, Supports CE and ISO compliance, Minimizes downtime.

Main components:



Our press brakes models and technical specifications:

 TURKUAS BENDING	Force	Bending Length (mm)	Distance Between Columns (mm)	Stroke (mm)	Upper- Lower Tooling Gap (mm)	Throat	Table Height (mm)	Main Motor
Models	Ton	A	B	C	J	D	E	Power (kw)
SZ-520	20	500	450	210	410	310	250	2
SZ-1120	20	1100	900	210	465	310	755	2
SZ-1340	40	1300	1100	210	465	310	755	4
SZ-1360	60	1300	1100	210	465	310	755	5,5
SZ-1640	40	1600	1200	210	465	310	765	5,5
SZ-1660	60	1600	1200	210	465	310	765	5,5
SZ-2160	60	2100	1600	260	465	410	800	5,5
SZ-2660	60	2600	2150	260	465	410	800	5,5
SZ-2680	80	2600	2100	260	465	410	800	5,5
SZ-26100	100	2600	2150	260	465	410	800	7,5
SZ-26135	135	2600	2100	260	465	410	800	11
SD-31100	100	3100	2600	260	465	410	850	7,5
SD-31135	135	3100	2600	260	465	410	850	11
SD-31175	175	3100	2600	260	465	410	850	15

 TURKUAS BENDING	Force	Bending Length (mm)	Distance Between Columns (mm)	Stroke (mm)	Upper- Lower Tooling Gap (mm)	Throat	Table Height (mm)	Main Motor
Models	Ton	A	B	C	J	D	E	Power (kw)
SD-31220	220	3100	2600	260	465	410	850	18,5
SD-31270	270	3100	2600	260	465	410	850	22
SD-31320	320	3100	2600	260	485	410	955	22
SD-31400	400	3100	3200	310	535	410	1015	30
SD-37135	135	3700	3200	260	465	410	850	11
SD-37175	175	3700	3200	260	465	410	850	15
SD-37220	220	3700	3200	260	465	410	850	18,5
SD-37320	320	3700	3200	260	485	410	955	22
SH-41100	100	4100	3600	260	465	410	850	7,5
SH-41135	135	4100	3600	260	465	410	850	11
SH-41175	175	4100	3600	260	465	410	850	15
SH-41220	220	4100	3600	260	465	410	850	18,5
SH-41270	270	4100	3600	260	465	410	850	22
SH-41320	320	4100	3600	260	485	410	955	22

 TURKUAS BENDING	Force	Bending Length (mm)	Distance Between Columns (mm)	Stroke (mm)	Upper- Lower Tooling Gap (mm)	Throat	Table Height (mm)	Main Motor
Models	Ton	A	B	C	J	D	E	Power (kw)
SH-41400	400	4100	3600	310	535	410	1015	30
SH-41500	500	4100	3600	310	535	410	1015	37
SU-51220	220	5100	4200	260	515	410	955	18,5
SU-51320	320	5100	4200	260	485	410	1015	22
SU-51400	400	5100	4200	310	535	410	1015	30
SU-51500	500	5100	4200	310	535	410	1015	37
SU-61220	220	6100	5100	260	485	410	1015	18,5
SU-61320	320	6100	5100	260	485	410	1015	22
SU-61400	400	6100	5100	310	535	410	1015	30
SU-61500	500	6100	5100	310	535	410	1015	37



Press brake control panel options:



- ESA S630 STANDARD 10" 4 AXIS
- ESA S640 15" 6 AXIS
- ESA S650 15" 12 AXIS

*The image on the side belongs to the ESA S650 model.

- STEP RK12"
- STEP RK15"
- STEP RK22"

*The images on the side are provided in order.



- DELEM 53T 10"
- DELEM 58T 15"
- DELEM 66T 17"

*The image on the side belongs to the DELEM 66T model.

- CYBELEC CT 8T STANDARD 7" 4 AXIS
- CYBELEC CT 12T 12" 4 AXIS
- CYBELEC CT 15T 15" 6 AXIS

*The image on the side belongs to the CYBELEC CT 15T model.



Not Automatic — FULL AUTOMATIC Panel Bender

Competing against many so-called “automatic” machines that struggle even with semi-automatic workloads, the powerful, fast, and precise Şahmaksan Full Automatic Panel Bender simplifies bending operations in industrial production while saving operators time and labor. It delivers up to 80% faster processing compared to a press brake.

With its user-friendly interface and fully automatic capabilities, it reduces operator workload while accelerating and optimizing bending operations. Delivering high precision and repeatability in panel bending, this system ensures continuous performance in industrial production processes.

Our Fully Automatic Panel Bender integrates with production lines: the sheet enters and exits as a finished part. The vacuum manipulator enables a minimum bending size of 140 × 190 mm.



Thick Foldable
Sheet



Universal
Tooling



Automatic
Tool Change



Precision
Feeding



Efficient
Software



Full Automatic Panel Bender Production Line

Advantages of our Full Automatic Panel Bender compared to others:

1. **Minimize Operator Dependence:** Part loading/unloading is handled by a robot or automatic manipulator, while part rotation and positioning are managed by the system. Operator errors (wrong reference, misalignment, dimension deviation) are minimized, and quality differences between shifts are eliminated.
2. **Don't Let Reverse Bends Waste Time:** No manual part rotation is required. Continuous, uninterrupted production is possible. Automatic referencing minimizes setup time and saves significant time on multi-bend parts, offering clear cycle-time advantages, especially in mass production.
3. **High Repeatability and Precision:** CNC-controlled servo axes ensure accurate positioning, and part referencing is systematically fixed. Human-induced dimensional deviations are eliminated, maintaining measurement stability across large batches.
4. **Advantage in Complex Parts:** Multi-edged and box-shaped parts can be processed automatically. Part rotation is managed by the software, geometric consistency is maintained, and the risk of deformation in thin sheets is reduced.
5. **Enhanced Workplace Safety**
6. **Night / Lightless Production:** Unmanned operation is possible with the robotic system. Mass production batches can be processed automatically, extending production capacity across 24 hours.

Full Automatic Panel Bender

Full Automatic Panel Bender models and technical specifications:

Specifications Models	Max. Loading Plate Length (mm)	Max. Loading Plate Width (mm)	Bending Height (mm)	Min. Forming Size for 4-Sided Shaping (mm)	Min. Forming Size for Two-Sided Shaping (mm)	Gap Between Upper and Lower Blades (mm)	Bending Angle	Max. Thickness (mm) Mild Steel, UTS 410 N/mm ²	Weight (Ton)	Dimensions (L*W*H) (mm)
NBMC-2202	2200	1250	200	430*250	190	235	0-180°	1,5	25.00	6580* 4800* 2800
NBMC-2502	2500	1250	200	430*250	190	205	0-180°	1,5	27.00	6800* 4800* 2800
NBMC-3002	3000	1500	200	430*250	190	205	0-180°	1,5	27.00	7400* 5200* 2800
NMBC-3502	3500	1500	200	430*250	190	205	0-180°	1,5	38,00	8000* 5680* 2800
HMBC-2202	2200	1500	200	430*250	190	235	0-180°	2	27,00	6580* 4800* 2800
HMBC-2502	2500	1500	200	430*250	190	205	0-180°	2	30,00	6800* 4800* 2800
HMBC-2503	2500	1500	200	430*250	190	205	0-180°	3	36.5	6800* 4800* 2800
HMBC-3002	3000	1500	200	430*250	190	205	0-180°	2	34,00	7400* 5200* 2800
HMBC-3502	3500	1500	200	430*250	190	205	0-180°	2	38,00	8000* 5680* 2800

Optional Features:

- 300 mm Stroke
- 400 mm Stroke
- Segmented Upper Blade System (Rear Sections)
- Segmented Lower Blade System (Rear Sections)
- Vacuum Manipulator Gripper
- -50 mm Lifting System

Note: While awaiting our quotations for all panel bender options, please provide the technical drawings of your part(s). Otherwise, price differences may occur.

Semi Automatic Panel Bender



Our Semi-Automatic Panel Bender, equipped with advanced technology, ushers in a new era in precise panel bending, combining low cost with high efficiency.

Our Panel Bender, equipped with advanced bending technology, offers a wide range of capabilities for bending various materials and adapts to all types of industrial applications. Manufactured from high-quality materials and subjected to strict quality control, this system ensures long-lasting and reliable performance.



Thick Foldable
Sheet



Universal
Tooling



Low Cost,
High Efficiency



Precision
Feeding



Efficient
Software

Specifications Models	Max. Loading Plate Length (mm)	Max. Loading Plate Width (mm)	Bending Height (mm)	Min. Forming Size for 4-Sided Shaping (mm)	Min. Forming Size for Two-Sided Shaping (mm)	Gap Between Upper and Lower Blades (mm)	Bending Angle	Max. Thickness (mm) Mild Steel, UTS 410 N/mm²	Weight (Ton)	Dimensions (L*W*H) (mm)
BMBC-1502	1500	1250	200	360*180	175	180	0-180°	1,5 (Stainless 1,0)	20,00	5200* 2200* 2455
BMBC-2002	2000	1250	200	360*180	175	180	0-180°	1,5 (Stainless 1,0)	23,00	6100* 2700* 2920
BMBC-2502	2500	1250	200	360*180	175	180	0-180°	1,5 (Stainless 1,0)	27,00	6100* 2700* 2920
EMBC-1502	1500	1250	200	360*180	175	180	0-180°	2 (Stainless 1,5)	15,00	5200* 2200* 2455
EMBC-2202	2200	1250	200	360*180	175	180	0-180°	2 (Stainless 1,5)	22,00	6100* 2700* 2920
EMBC-2502	2500	1250	200	360*180	175	180	0-180°	2 (Stainless 1,5)	25,00	6100* 2700* 2920

Note: While awaiting our quotations for all panel bender options, please provide the technical drawings of your part(s). Otherwise, price differences may occur.

PANDER 129-212

The Pander 129-212 delivers exceptional efficiency, precision, and production consistency in sheet metal processing through its advanced automation technology. Its intelligent control system synchronizes multiple axes while automatically managing sheet handling, feeding, and rotation via vacuum suction cups. Equipped with versatile bending tools, the machine enables the processing of complex workpieces from multiple angles using multiple tooling configurations, significantly accelerating production processes.

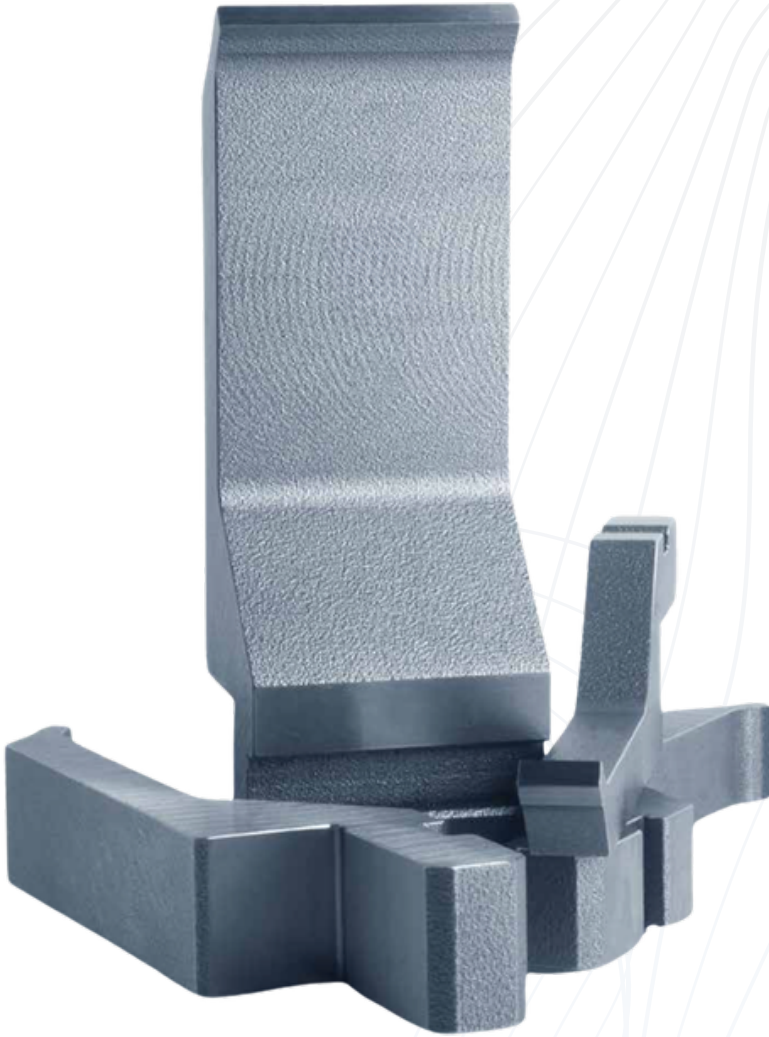
Compared to conventional press brake machines, the Pander 129-212 increases overall production efficiency by 3 to 5 times while reducing energy consumption by up to 50%. It provides an ideal solution for manufacturing box-shaped components and large-format sheet metal parts. The machine is widely used across a broad range of industries, including chassis and enclosure manufacturing, HVAC equipment, elevator systems, automotive, and home appliance production.

Specifications Models	Bending Size (mm)	Min. Bending Dimension (mm)	Min. Bending Length (mm)	Bending Capacity (mm – for SD37)	Max. Bending Height (mm)	Max. Machine Speed (m/min)	Power (kW)	Power Supply (V)	Weight (T)	Dimensions (L x W x H) (mm)
129	1200x900	Single-Sided: 100 mm, Four-Sided Formed: 200 mm	90	0.4*	Four-Sided: 100 mm, Two-Sided: 220 mm	32	17	380/220	2.2	2200* 1700* 1300
212	2000x1200						27	220/380	4.5	3940* 2750* 1300

*** For the PANDER-129, the bending capacity is 1 mm at a bending length of 600 mm.**

*** For the PANDER-212, the bending capacity is 1 mm at a bending length of 1,000 mm.**





Şahmaksan combines its experience with quality and reliability to offer a wide range of products that meet diverse customer needs.

Each die is carefully manufactured from the highest-quality materials, offering long-lasting use and reliability. High precision and sharp details make Şahmaksan Press Brake Moulds indispensable for industrial bending operations. Every die undergoes strict quality control procedures to ensure customers achieve results at the highest standards.

Şahmaksan specializes in Press Brake Moulds, a fundamental element of bending operations in industrial production. Offering top-level performance in precision, durability, and efficiency, Şahmaksan Press Brake Moulds enable businesses to optimize their production processes.

Choose Şahmaksan Press Brake Moulds to ensure success in industrial production and maximize your business's potential.



GÜRKAN

50.yıl
starçelik

**Kontrolmatik
Technologies**



reel
alüminyum

mitra
cabinet systems

INOXCLASS
ENDÜSTRİYEL MUTFAK EKİPMANLARI

düşlersan
metal a.ş.

**TEMPO
LIFT**

AirBy

STAR TASARIM

SAN-PAR
KALIPÇILIK PARÇA İMALATI
SANAYİ VE TİCARET LİMİTED ŞİRKETİ

FAN MAK
Since 1991 Air Handling Units

KUAFORIKUR
KUAFOR MOBİLYALARI

Head Office

phone +90 (541) 352 53 58
address Tatlısu Mahallesi Arif Ay Sokak No: 40/4 MTK Plaza PK:34774
Ümraniye / İstanbul / Türkiye
e-mail sales@sahmaksan.com.tr / info@sahmaksan.com.tr

Regional Office

phone +90 (543) 298 51 39
address Mevlana Mahallesi PK:55400
Bafra / Samsun / Türkiye
e-mail sales@sahmaksan.com.tr / info@sahmaksan.com.tr





ŞAHMAKSAN

MAKİNA
Metal Process Expert



<https://sahmaksan.com.tr/en/>