

I-TECH MACHINERY®

**I-TECH BEND
MACHINERY®**



Products Catalog





Thank you for taking time to review our brochure. We hope we can help you to choose the best product for your facility and make this investment process as easy and informative as it can be.

Before you move on further, let us give you the background on our company as we believe it is very important to know about the people behind the scenes designing and building these machines.

Corporate Identity I-TECH BEND Machinery is an innovative and export-driven industrial machinery manufacturer based in Bursa, Turkey, established in 2024. We specialize in the production of: Hydraulic press brakes Hybrid press brakes Hydraulic guillotine shears Servo hydraulic press brakes (on going Project) Our mission is to deliver reliable, high- performance solutions that meet the evolving needs of the manufacturing sector.

We are also proud of our design and production team working tirelessly behind the scenes to bring you not just a machine but a solution that is crafted for your specific needs.

All our staff are sector veterans and they have spent long years building press brakes and shears. Guided with the right vision and mission, they thrive to design and build the best solution for you.

We hope you like what you see here and give us the opportunity to create a solution for your needs.

Regards

I-TECH Bend Team



DIAMONDFORM

HYDRAULIC PRESS BRAKE

DiamondForm is a versatile press brake designed to be utilized in low to medium volume/medium to high mix environments. It is an ideal press brake for customers that need frequent setups for their production but do not run products with uneven flanges or tapered edges that would require a six axis backgauge.

Whether you want to form a part by air bending, bottoming or hemming, DiamondForm's advanced angle calculation formula, precise servo hydraulic system and electronic linear scales ensure you get the right part every time.

The editable material database on DiamondForm lets you add as many material as you want and even allows you to enter the springback of the material so the control can autocorrect angles to compensate for springback.



DIAMONDFORM



DiamondForm's backgauge (X,R, Z1, Z2) running on ballscrews and servo motors ensure precise gauging of your parts.

CNC controlled backgauge fingers are positioned automatically at the right place whether you are bending a small piece or full length plate.



DiamondForm's CNC controlled bed crowning system negates the deflection of lower bed during bending and ensures all-even angles along the full length of the bed.



State of the art hydraulics with servo proportional valves, honed and chrome covered cylinders with precision ground pistons and high quality seals ensure decades of trouble-free operation.



Auto start-stop function stops all the electric motors when the machine is left idle for a specified time and starts right back when the pedal or start button is pressed.

This feature not only reduces your electric bill and help save the environment but also prevents the hydraulic oil from reaching high temperatures therefore keeps the angles consistent from the start of the day to the end.



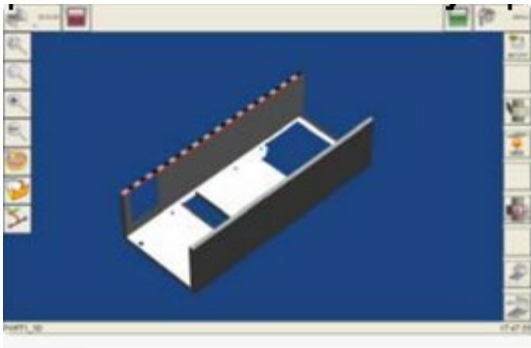
All Step Cnc controls are equipped with remote diagnostic feature and in the unlikely event of an issue, our engineers can remotely connect to your machine and diagnose any issues you might have.



DIAMONDFORM

NEXT 3.0 CNC CONTROL

A good press brake is only complete with a good control. A good control should be your companion and should solve problems for you, not the other way around. It should be simple enough both when you want to bend a one-hit Lbeam or want to tackle a complex 3D drawing. Creating a simple yet elegant companion for you was our primary goal. We hope you like the features below we designed for your production to be more efficient and your products to be flawless.



2D or 3D?

Whether you're bending a box panel or a simple two hit part, you will find NexT's carefully and elegantly designed 2D and 3D part creating interface a joy to work on.

On its 17" beautiful and colorful touchscreen, a large canvas will display your part and will let you easily manipulate with taps and touches.



Tooling Stations

One part, three different tool stations. On NexT, it takes only a minute to set three or more different tooling stations. Coupled with DiamondForm LED system, you will literally spend two minutes setting up your machine for the next job.



DXF Import

You know you can easily create your part in 2D or 3D on NexT but you don't even need to do that if you already have a DXF drawing of your part. Just load your DXF directly to the control or on the offline software and watch NexT magically transform a flat drawing into a 3D part.

If you are creating your DXF on SolidWorks, NexT will read all the embedded information in the DXF like angle, allowance, radius, thickness and material type and will create a full 3D part without you touching a thing.

This scenario is more common than you think and that is the reason we designed auto tooling feature on Next. Once you finish drawing or importing your part, all you need to do is to hit autotooling button and Next will offer the right punch and die. Stressfree!



Of course we don't want you to stop your production while you are preparing a new part program. You can prepare your part programs or import your DXFs on your PC and transfer them either through a network connection or with a USB thumb drive without stopping your press brake what it does best, running parts!



We know how hard it is to find experienced press brake operators, how hard it is to train rookie operators and our primary goal was to create a control that can be run by anyone. And when we say anyone, we mean it! Please ask your local dealer for a hands on demo and you will see what we mean!



DIAMONDFORM

Standard Equipments

Rigid frame designed on SolidWorks with stress and deflection analysis, welded by certified welders and machined to 0,01 mm precision in single piece.

NexT 3.0 17" 2D/3D graphic touchscreen control.

Dependable servo hydraulic system provided by Hoerbieger.

Honed, chrome covered cylinders with high precision ground pistons

Y1-Y2 synchronized hydraulic cylinders running on dual ram guides on each side for smooth ascend and descend.

4 axis backgauge (X,R,Z1,Z2) running on ballscrews with servo motors to easily gauge complex parts.

Hydraulic punch holder with vertical mount, auto seat and auto align function.

European (or American) die holder with quick change mechanism.

High stroke and daylight for deep box/panel bending.

500 mm throat depth to utilize full length and deep bends.

High resolution linear scales with an accuracy of 0,01 mm for precise bending.

Automatic crowning of die bed for even angles along full length of bend.

Front support arms sliding on linear guides to easily gauge small parts.

Optional Equipments

Front laser guards for finger protection.

DiamondForm LED bend guide system

Custom design throat, stroke and daylight.

CNC controlled bending aids in front to easily handle large plates.

Real time angle measurement and correction system.

Large selection of punches and dies.

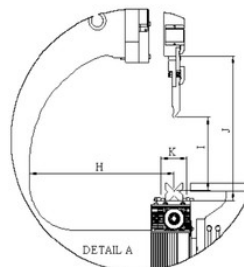
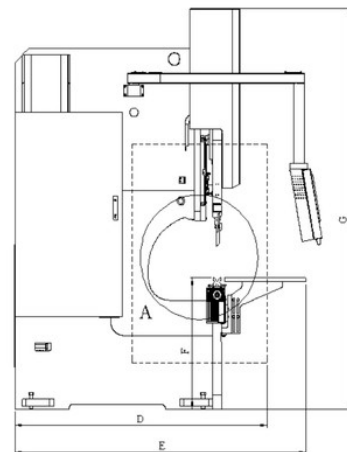
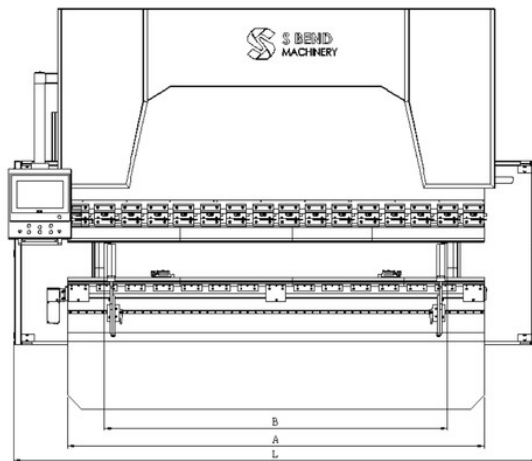
Tandem Preparation

Automatic Lubrication System

DIAMONDFORM

Diamondform Technical Specifications

TYPE	Bending Length	Bending Tonnage	Stroke	Distance Between Frames	Distance Between Feet	Y-Axis Descent Speed	Y-Axis Pressing Speed	Y-Axis Return Speed	X-Axis Stroke	R-Axis Stroke	X-Axis Speed	R-Axis Speed	Engine	Oil Tank	Length	Machine Width	Height	Width	T. Depth	Table Height	Table Width	Weight
	A		I	J	B	mm/s	mm/s	mm/s	mm	mm	mm/s	mm/s	kw	lt	L	D	G	E	H	F	K	
	mm	Ton	mm	mm	mm	ec	ec	ec	mm	mm	n	n			mm	mm	mm	mm	mm	mm	mm	kg
															These are the machine shipping dimensions.							
2100-40	2100	40	140	380	1650	180	10	160	800	250	500	170	5,5	100	2800	1950	2200	2100	300	860	90	4050
2100-60	2100	60	180	420	1650	180	10	160	800	250	500	170	7,5	100	2820	2100	2350	2250	400	860	90	4400
2600-100	2600	100	280	520	2100	180	10	160	800	250	500	170	11	250	3450	1750	2830	2250	500	860	90	7250
2600-135	2600	135	280	520	2100	180	10	160	800	250	500	170	11	250	3450	1750	2830	2250	500	860	90	7750
3100-100	3100	100	280	520	2550	180	10	160	800	250	500	170	11	250	4000	1750	2830	2250	500	860	90	7850
3100-135	3100	135	280	520	2550	180	10	160	800	250	500	170	11	250	4000	1750	2830	2250	500	860	90	8100
3100-175	3100	175	280	520	2550	180	10	160	800	250	500	170	15	250	4000	1850	2960	2300	500	930	90	9850
3100-220	3100	220	280	520	2550	180	10	160	800	250	500	170	15	250	4000	1850	2960	2300	500	930	90	11250
3100-300	3100	300	300	540	2550	180	10	160	800	250	500	170	22	250	4000	2100	3050	2600	500	930	120	14750
3100-400	3100	400	330	590	2550	120	10	160	800	250	500	170	30	400	4050	2250	3300	2800	600	1030	120	19950
3700-135	3700	135	280	520	3100	180	10	160	800	250	500	170	11	250	4450	1750	2830	2250	500	860	90	9150
3700-175	3700	175	280	520	3100	180	10	160	800	250	500	170	15	250	4500	1850	2960	2300	500	930	90	11650
3700-220	3700	220	280	520	3100	180	10	160	800	250	500	170	15	250	4500	1850	2960	2300	500	930	90	12750
3700-300	3700	300	300	540	3100	180	10	160	800	250	500	170	22	250	4550	2100	3050	2600	500	930	120	15850
3700-400	3700	400	330	590	3100	120	10	100	800	250	500	170	30	400	4650	2250	3300	2800	600	1030	120	21650
4100-100	4100	100	280	520	3550	180	10	160	800	250	500	170	11	250	4900	1750	2830	2250	500	860	90	9250
4100-135	4100	135	280	520	3550	180	10	160	800	250	500	170	11	250	4900	1750	2830	2250	500	860	90	9950
4100-175	4100	175	280	520	3550	180	10	160	800	250	500	170	15	250	4950	1850	2960	2300	500	930	90	12250
4100-220	4100	220	280	520	3550	180	10	160	800	250	500	170	15	250	4950	1850	2960	2300	500	930	90	13750
4100-300	4100	300	300	540	3550	180	10	160	800	250	500	170	22	250	5000	2100	3050	2600	500	930	120	16450
4100-400	4100	400	330	590	3550	100	8	100	800	250	500	170	30	400	5100	2250	3300	2800	600	1030	120	22750
5100-220	5100	220	280	520	4100	180	10	160	800	250	500	170	15	250	5950	1850	3050	2300	500	1050	90	17550
5100-300	5100	300	300	540	4100	110	9	110	800	250	500	170	22	250	5890	2100	3200	2700	500	1050	120	21200
5100-400	5100	400	330	590	4100	100	8	100	800	250	500	170	30	400	5950	2250	3400	2800	600	1100	120	27250
6100-220	6100	220	280	520	5100	120	10	120	800	250	500	170	15	250	6850	1950	3050	2300	500	1050	120	20350
6100-300	6100	300	300	540	5100	110	9	110	800	250	500	170	22	250	6890	2100	3200	2700	500	1050	120	24100
6100-400	6100	400	330	590	5100	100	8	100	800	250	500	170	30	400	6950	2250	3400	2800	600	1100	120	30750





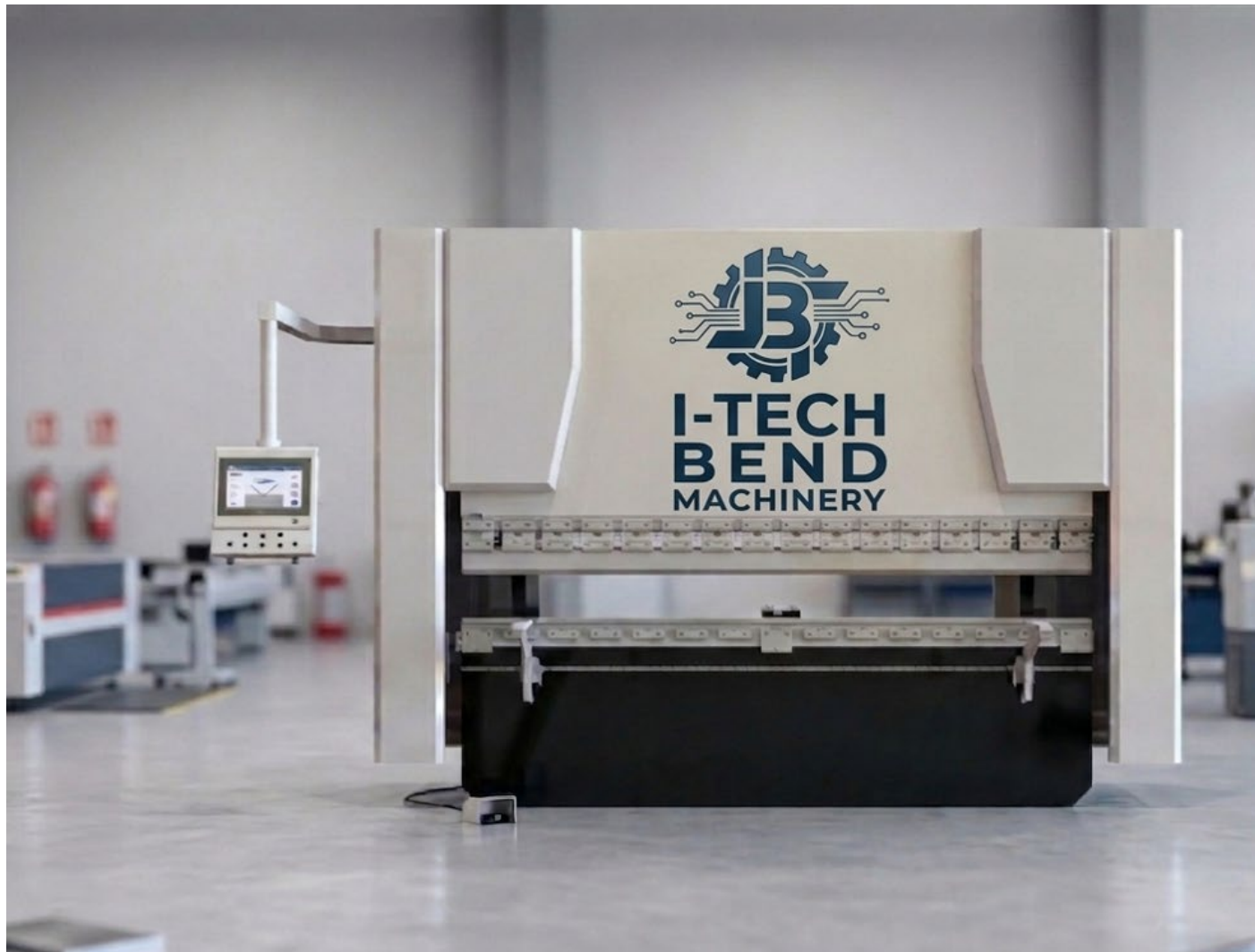
GOLD FORM

HYDRAULIC PRESS BRAKE

GoldForm is designed and built for production environments that process high volume/low mix products. GoldForm shares the same modular structure with DiamondForm so customers purchasing Goldform enjoy a rigid frame machined to 0,01 mm accuracy in single piece with a deep throat and high stroke/daylight that can form large format plates as well as deep box/panels.

Whether you want to form a part by air bending, bottoming or hemming, GoldForm's advanced angle calculation formula, precise servo hydraulic system and electronic linear scales ensure you get the right part every time.

The editable material database on GoldForm lets you add as many material as you want and even allows you to enter the springback of the material so the control can autocorrect angles to compensate for springback.





GOLD FORM



GoldForm's hand operated bed crowning system ensures even angles along the full length of the bed and can be upgraded to CNC controlled bed crowning on request.



GoldForm comes with Step PX15, a full fledged 2D graphic control with 15" touchscreen that is very easy to program and to run. After you put in flange lengths and angles of the part you want to bend, NexT will tell you the exact dimension of the sheet you need to cut on your shear or laser cutting machine and will simulate the optimum bending sequence with minimum rotation of the part and avoiding any collision with tools or the machine.



Servo driven two axis (X,R) backgauge runs on ballscrews for maximum precision. It has two precision machined gauging fingers that can be moved along the backgauge bar on linear guides.



GOLD FORM



State of the art hydraulics with servo proportional valves, honed and chrome covered cylinders with precision ground pistons and high quality seals ensure decades of trouble-free operation.



Auto start-stop function stops all the electric motors when the machine is left idle for a specified time and starts right back when the pedal or start button is pressed.

This feature not only reduces your electric bill and help save the environment but also prevents the hydraulic oil from reaching high temperatures therefore keeps the angles consistent from the start of the day to the end.



All Step Cnc controls are equipped with remote diagnostic feature and in the unlikely event of an issue, our engineers can remotely connect to your machine and diagnose any issues you might have.



GOLDFORM

Standard Equipments

Rigid frame designed on SolidWorks with stress and deflection analysis, welded by certified welders and machined to 0,01 mm precision in single piece.

NexT 2.0 15" 2D graphic touchscreen control.

Dependable servo hydraulic system provided by Hoerbieger.

Honed, chrome covered cylinders with high precision ground pistons

Y1-Y2 synchronized hydraulic cylinders running on dual ram guides on each side for smooth ascend and descend.

2 axis backgauge (X,R) running on ballscrews with servo motors to easily gauge parts.

European and/or American style quick release punch clamps

European die holder with quick change mechanism.

Full length precision ground and hardened punch and 4V die set.

Manual crowning of die bed for even angles along full length of bend.

High stroke and daylight for deep box/panel bending.

500 mm throat depth to utilize full length and deep bends.

High resolution linear scales with an accuracy of 0,01 mm for precise bending.

Front support arms sliding on linear guides to easily gauge small parts.

Optional Equipments

Front laser guards for finger protection.

Automatic crowning of die bed for even angles along full length of bend.

Custom design throat, stroke and daylight.

Large selection of punches and dies.

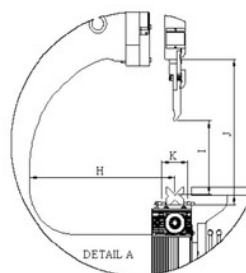
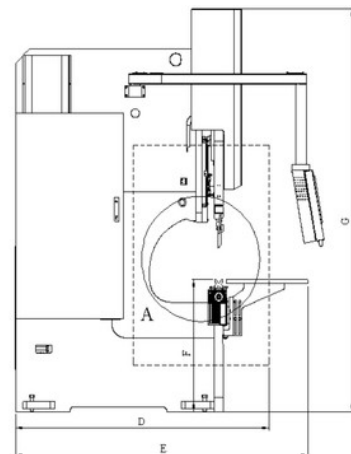
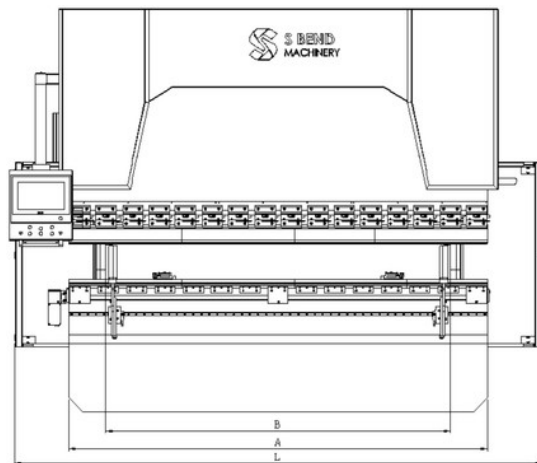
Tandem Preparation

Automatic Lubrication System

GOLD FORM

GoldForm Technical Specifications

TYPE	Bending Length	Bending Tonnage	Stroke	Distance Between Frames	Distance Between Feet	Y-Axis Descent Speed	Y-Axis Pressing Speed	Y-Axis Return Speed	X-Axis Stroke	R-Axis Stroke	X-Axis Speed	R-Axis Speed	Engine	Oil Tank	Length	Machine Width	Height	Width	T. Depth	Table Height	Table Width	Weight
	A		I	J	B										L	D	G	E	H	F	K	
	mm	Ton	mm	mm	mm	mm/sec	mm/sec	mm/sec	mm	mm	mm/sn	mm/sn	kw	lt	mm	mm	mm	mm	mm	mm	mm	kg
															These are the machine shipping dimensions.							
1250-40	1250	40	140	380	1050	180	10	160	800	250	500	170	5,5	100	2150	2100	2350	2400	300	860	90	3100
1250-60	1250	60	180	420	1050	180	10	160	800	250	500	170	7,5	100	2250	2100	2350	2450	400	860	90	3650
1550-40	1550	40	140	380	1250	180	10	160	800	250	500	170	5,5	100	2400	2100	2200	2400	300	860	90	3300
1550-60	1550	60	180	420	1250	180	10	160	800	250	500	170	7,5	100	2430	2100	2350	2450	400	860	90	4100
2100-40	2100	40	140	380	1650	180	10	160	800	250	500	170	5,5	100	2800	1950	2200	2100	300	860	90	4050
2100-60	2100	60	180	420	1650	180	10	160	800	250	500	170	7,5	100	2820	2100	2350	2250	400	860	90	4400
2600-100	2600	100	280	520	2100	180	10	160	800	250	500	170	11	250	3450	1750	2830	2250	500	860	90	7250
2600-135	2600	135	280	520	2100	180	10	160	800	250	500	170	11	250	3450	1750	2830	2250	500	860	90	7750
3100-100	3100	100	280	520	2550	180	10	160	800	250	500	170	11	250	4000	1750	2830	2250	500	860	90	7850
3100-135	3100	135	280	520	2550	180	10	160	800	250	500	170	11	250	4000	1750	2830	2250	500	860	90	8100
3100-175	3100	175	280	520	2550	180	10	160	800	250	500	170	15	250	4000	1850	2960	2300	500	930	90	9850
3100-220	3100	220	280	520	2550	180	10	160	800	250	500	170	15	250	4000	1850	2960	2300	500	930	90	11250
3100-300	3100	300	300	540	2550	180	10	160	800	250	500	170	22	250	4000	2100	3050	2600	500	930	120	14750
3100-400	3100	400	330	590	2550	120	10	160	800	250	500	170	30	400	4050	2250	3300	2800	600	1030	120	19950
3700-135	3700	135	280	520	3100	180	10	160	800	250	500	170	11	250	4450	1750	2830	2250	500	860	90	9150
3700-175	3700	175	280	520	3100	180	10	160	800	250	500	170	15	250	4500	1850	2960	2300	500	930	90	11650
3700-220	3700	220	280	520	3100	180	10	160	800	250	500	170	15	250	4500	1850	2960	2300	500	930	90	12750
3700-300	3700	300	300	540	3100	180	10	160	800	250	500	170	22	250	4550	2100	3050	2600	500	930	120	15850
3700-400	3700	400	330	590	3100	120	10	100	800	250	500	170	30	400	4650	2250	3300	2800	600	1030	120	21650
4100-100	4100	100	280	520	3550	180	10	160	800	250	500	170	11	250	4900	1750	2830	2250	500	860	90	9250
4100-135	4100	135	280	520	3550	180	10	160	800	250	500	170	11	250	4900	1750	2830	2250	500	860	90	9950
4100-175	4100	175	280	520	3550	180	10	160	800	250	500	170	15	250	4950	1850	2960	2300	500	930	90	12250
4100-220	4100	220	280	520	3550	180	10	160	800	250	500	170	15	250	4950	1850	2960	2300	500	930	90	13750
4100-300	4100	300	300	540	3550	180	10	160	800	250	500	170	22	250	5000	2100	3050	2600	500	930	120	16450
4100-400	4100	400	330	590	3550	100	8	100	800	250	500	170	30	400	5100	2250	3300	2800	600	1030	120	22750
5100-220	5100	220	280	520	4100	180	10	160	800	250	500	170	15	250	5950	1850	3050	2300	500	1050	90	17550
5100-300	5100	300	300	540	4100	110	9	110	800	250	500	170	22	250	5890	2100	3200	2700	500	1050	120	21200
5100-400	5100	400	330	590	4100	100	8	100	800	250	500	170	30	400	5950	2250	3400	2800	600	1100	120	27250
6100-220	6100	220	280	520	5100	120	10	120	800	250	500	170	15	250	6850	1950	3050	2300	500	1050	120	20350
6100-300	6100	300	300	540	5100	110	9	110	800	250	500	170	22	250	6890	2100	3200	2700	500	1050	120	24100
6100-400	6100	400	330	590	5100	100	8	100	800	250	500	170	30	400	6950	2250	3400	2800	600	1100	120	30750





SILVER FORM

HYDRAULIC PRESS BRAKE

SilverForm is designed and built for customers who process simple parts and do not need to run their press brake for more than a couple of hours a day. Easy to use control and simple operation of EasyForm makes it convenient for customers who require a budget solution for their simple bending requirements.

SilverForm is an entry level press brake but by sharing the same modular structure with GoldForm, it makes no compromise on quality, consistency and dependability.

Customers that choose SilverForm will enjoy a large throat depth, high stroke and daylight for deep box bendings, dependable hydraulic system and high precision linear scale system.





SILVER FORM

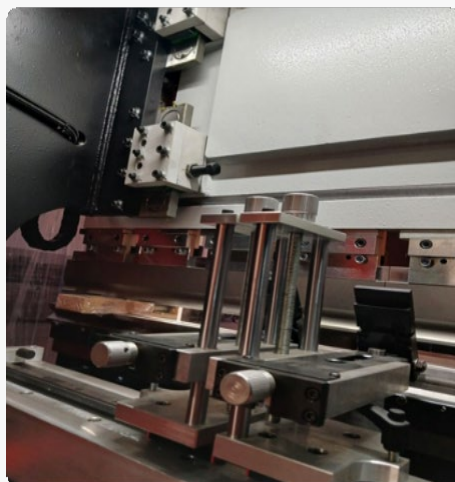


SilverForm can be equipped with a hand operated bed crowning system on demand that ensures even angles along the full length of the bed.



Step Px 13 shot SilverForm comes with Step Px13, easiest press brake control you can find in the market for basic forming needs. In a single, well designed screen, you can input all your flange lengths and angles to create a part program.

It literally takes seconds to bend a part on SilverForm thanks to Step Px13. Graphic tool library and graphical visualization of the part enables Step Px13 to avoid collision of the part with the tools.



A single axis (X) backgauge running on ballscrews helps you to gauge your part precisely. It has two precision machined gauging fingers that can be moved along the backgauge bar and the height of the fingers can also be adjusted manually.

SILVER FORM



State of the art hydraulics with servo proportional valves, honed and chrome covered cylinders with precision ground pistons and high quality seals ensure decades of trouble-free operation.



Auto start-stop function stops all the electric motors when the machine is left idle for a specified time and starts right back when the pedal or start button is pressed.

This feature not only reduces your electric bill and help save the environment but also prevents the hydraulic oil from reaching high temperatures therefore keeps the angles consistent from the start of the day to the end.



All Step Cnc controls are equipped with remote diagnostic feature and in the unlikely event of an issue, our engineers can remotely connect to your machine and diagnose any issues you might have.



SILVER FORM

Standard Equipments

Rigid frame designed on SolidWorks with stress and deflection analysis, welded by certified welders and machined to 0,01 mm precision in single piece.

NexT 1.0 10" touchscreen control with 2D visualization.

Dependable servo hydraulic system.

Honed, chrome covered cylinders with high precision ground pistons

Y1-Y2 synchronized hydraulic cylinders running on dual ram guides on each side for smooth ascend and descend.

Single axis backgauge (X) with manual height adjustment, running on ballscrews for maximum accuracy.

European and/or American style quick release punch clamps

European die holder with quick change mechanism.

Full length precision ground and hardened punch and 4V die set.

High stroke and daylight for deep box/panel bending.

500 mm throat depth to utilize full length and deep bends.

High resolution linear scales with an accuracy of 0,01 mm for precise bending.

Front support arms sliding on linear guides to easily gauge small parts.

Optional Equipments

Front laser guards for finger protection.

Manual crowning of die bed for even angles along full length of bend.

Automatic crowning of die bed for even angles along full length of bend.

Custom design throat, stroke and daylight.

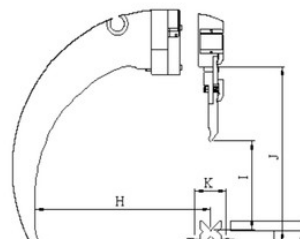
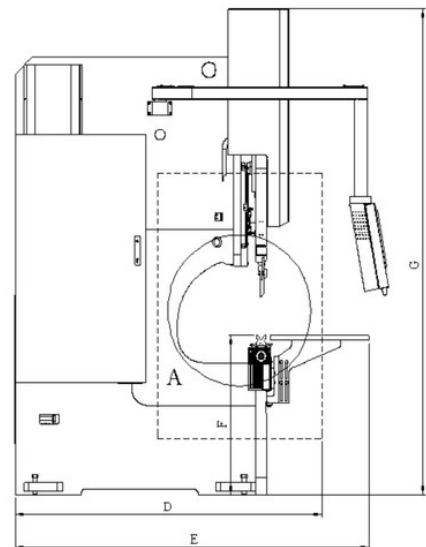
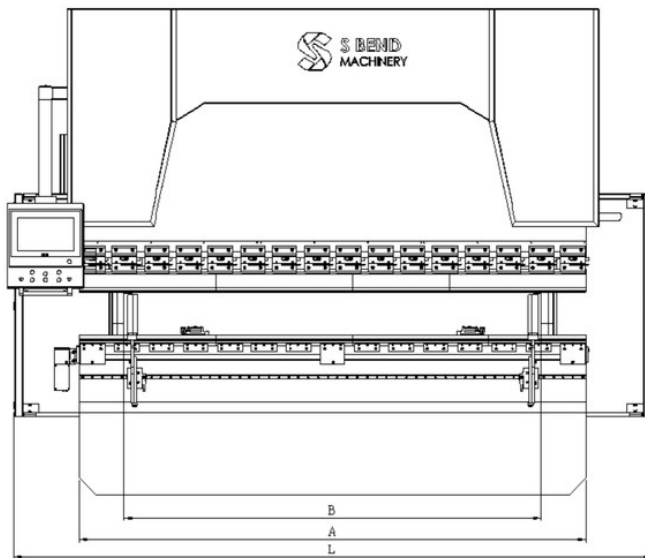
Large selection of punches and dies.

SILVER FORM

SILVER FORM

SilverForm Technical Specifications

TYPE	Bending Length	Bending Tonnage	Stroke	Distance Between Frames	Distance Between Feet	Y-Axis Descent Speed	Y-Axis Pressing Speed	Y-Axis Return Speed	X-Axis Stroke	R-Axis Stroke	X-Axis Speed	R-Axis Speed	Engine	Oil Tank	Length	Machine Width	Height	Width	T. Depth	Table Height	Table Width	Weight
	A		I	J	B										L	D	G	E	H	F	K	
	mm	Ton	mm	mm	mm	mm/s ec	mm/s ec	mm/s ec	mm	mm	mm/s n	mm/s n	kw	lt	mm	mm	mm	mm	mm	mm	mm	kg
															These are the machine shipping dimensions.							
1250-40	1250	40	140	380	1050	180	10	160	800	250	500	170	5,5	100	2150	2100	2350	2400	300	860	90	3100
1250-60	1250	60	180	420	1050	180	10	160	800	250	500	170	7,5	100	2250	2100	2350	2450	400	860	90	3650
1550-40	1550	40	140	380	1250	180	10	160	800	250	500	170	5,5	100	2400	2100	2200	2400	300	860	90	3300
1550-60	1550	60	180	420	1250	180	10	160	800	250	500	170	7,5	100	2430	2100	2350	2450	400	860	90	4100
2100-40	2100	40	140	380	1650	180	10	160	800	250	500	170	5,5	100	2800	1950	2200	2100	300	860	90	4050
2100-60	2100	60	180	420	1650	180	10	160	800	250	500	170	7,5	100	2820	2100	2350	2250	400	860	90	4400
2600-100	2600	100	280	520	2100	180	10	160	800	250	500	170	11	250	3450	1750	2830	2250	500	860	90	7250
2600-135	2600	135	280	520	2100	180	10	160	800	250	500	170	11	250	3450	1750	2830	2250	500	860	90	7750
3100-100	3100	100	280	520	2550	180	10	160	800	250	500	170	11	250	4000	1750	2830	2250	500	860	90	7850
3100-135	3100	135	280	520	2550	180	10	160	800	250	500	170	11	250	4000	1750	2830	2250	500	860	90	8100
3100-175	3100	175	280	520	2550	180	10	160	800	250	500	170	15	250	4000	1850	2960	2300	500	930	90	9850
3100-220	3100	220	280	520	2550	180	10	160	800	250	500	170	15	250	4000	1850	2960	2300	500	930	90	11250
3100-300	3100	300	300	540	2550	180	10	160	800	250	500	170	22	250	4000	2100	3050	2600	500	930	120	14750
3700-135	3700	135	280	520	3100	180	10	160	800	250	500	170	11	250	4450	1750	2830	2250	500	860	90	9150
3700-175	3700	175	280	520	3100	180	10	160	800	250	500	170	15	250	4500	1850	2960	2300	500	930	90	11650
3700-220	3700	220	280	520	3100	180	10	160	800	250	500	170	15	250	4500	1850	2960	2300	500	930	90	12750
3700-300	3700	300	300	540	3100	180	10	160	800	250	500	170	22	250	4550	2100	3050	2600	500	930	120	15850





HYBRID FORM

Hybrid press brake is our innovative solution for this decade's most pressing issue...soaring energy costs. Every manufacturer is observing the effects of energy prices that is on a continuous rise and to be more efficient in a production environment is not only beneficial but crucial to survive.

For this reason, we have developed Hybrid, a hybrid press brake that uses a servo motor and servo pump with variable oil flow control instead of the traditional AC motors and fixed flow pumps. With this advanced hydraulic system, our customers will have three key benefits compared to hydraulic press brakes;- Hybrid consumes up to %70 less energy compared to traditional hydraulic press brakes.- Hybrid requires up to %50 less hydraulic oil to run compared to traditional hydraulic press brakes.

Lifetime of the hydraulic oil is also much longer (up to two times) since oil only circulates in the system during actual bending as opposed to continuous oil circulation on traditional hydraulic press brakes even when it is idle. Also no oil coolant is required for Hybrid even in the most demanding production environments.- Silent operation of the machine (up to 15 dB lower sound levels) compared to traditional hydraulic press brakes.





HYBRID FORM

Standard Equipments

Rigid frame designed on SolidWorks with stress and defection analysis, welded by certified welders and machined to 0,01 mm precision in single piece.

Step Automation RK 15 (15" 2D) graphic touchscreen control.

Dependable servo hydraulic system with servo motors and servo pumps provided by HAWE.

Honed, chrome covered cylinders with high precision ground pistons

Y1-Y2 synchronized hydraulic cylinders running on dual ram guides on each side for smooth ascend and descend

2axis aluminium extrusion backgauge (X,R) running on ballscrews and double linear guides with servo motors to easily gauge parts

European and/or American style punch clamps

European die holder with quick change mechanism

Manual crowning of die bed for even angles along full length of bend

High stroke (280 mm) and daylight (520 mm) for deep box/panel bending

500 mm throat depth to utilize full length and deep bends.

High resolution linear scales with an accuracy of 0,01 mm for precise bending.

Front support arms sliding on linear guides to easily gauge small parts.

Optional Equipments

Next 3.0 3D CNC Controller- Front laser guards for finger protection.

Automatic crowning of die bed for even angles along full length of bend

Custom design throat, stroke and daylight.

Large selection of punches and dies.

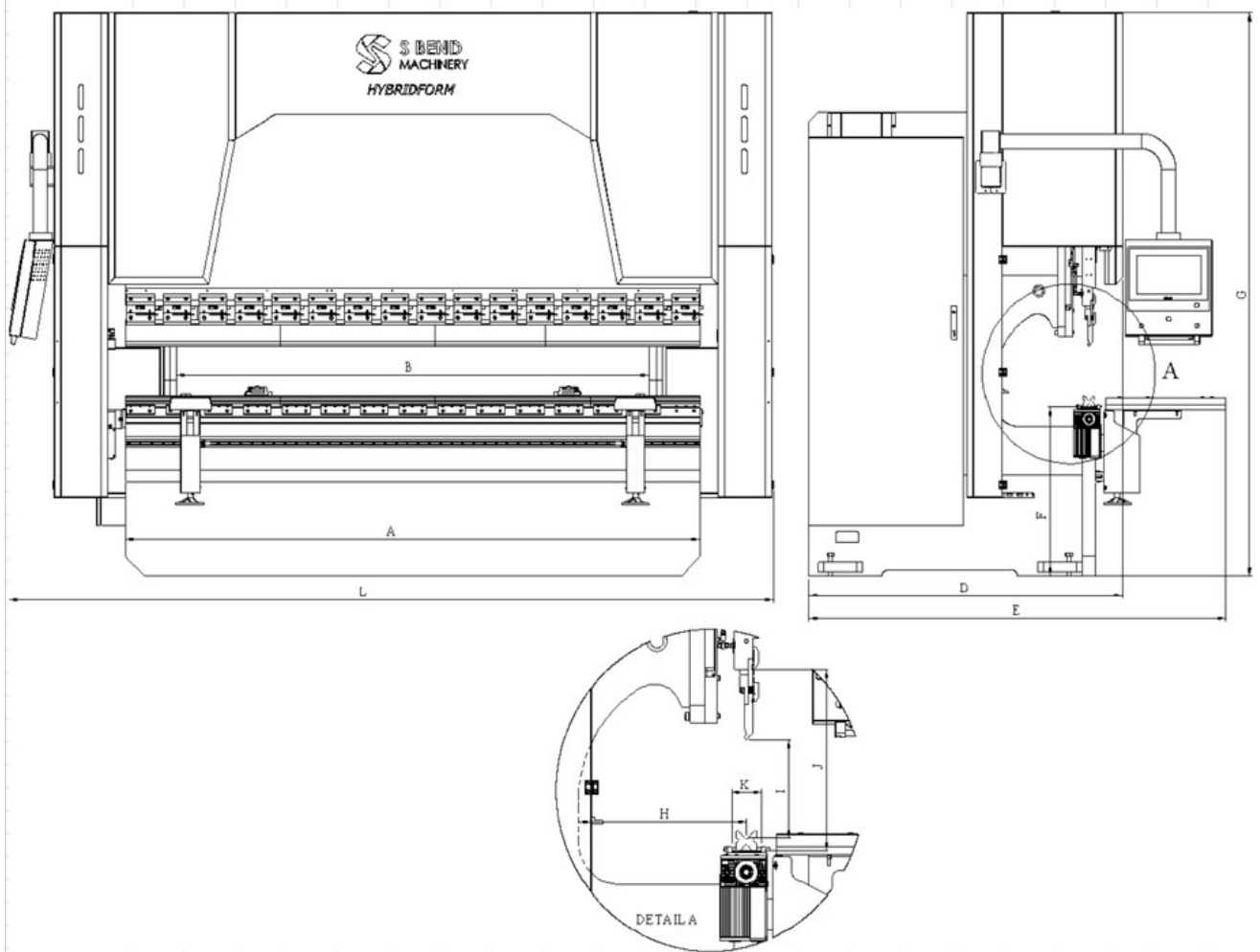
Tandem Preparation

Automatic Lubrication System

HYBRID FORM

HybridForm Technical Specifications

TYPE	Bending Length	Bending Tonnage	Stroke	Distance Between Frames	Distance Between Feeds	Y-Axis Descent Speed	Y-Axis Pressing Speed	Y-Axis Return Speed	X-Axis Stroke	R-Axis Stroke	X-Axis Speed	R-Axis Speed	Engine	Oil Tank	Length	Machine Width	Height	Width	T. Depth	Table Height	Table Width	Weight
	A		I	J	B	mm/sec	mm/sec	mm/sec							L	D	G	E	H	F	K	
	mm	Ton	mm	mm	mm	c	c	c	mm	mm	mm/sn	mm/sn	kw	lt	mm	mm	mm	mm	mm	mm	mm	kg
														These are the machine shipping dimensions.								
H 2100-100	2100	100	280	520	1650	200	10	200	800	250	500	170	2x6	2x34,5	3050	1750	2900	2250	500	860	90	6750
H 2600-100	2600	100	280	520	2100	200	10	200	800	250	500	170	2x6	2x34,5	3450	1750	2900	2250	500	860	90	7300
H 2600-135	2600	135	280	520	2100	200	10	200	800	250	500	170	2x6	2x34,5	3450	1750	2900	2250	500	860	90	7800
H 2600-175	2600	175	280	520	2100	200	10	200	800	250	500	250	2x7,65	2x55	3500	1850	3050	2300	500	930	90	9350
H 3100-100	3100	100	280	520	2550	200	10	200	800	250	500	250	2x6	2x34,5	4100	1750	2900	2250	500	860	90	7900
H 3100-135	3100	135	280	520	2550	200	10	200	800	250	500	250	2x6	2x34,5	4100	1750	2900	2250	500	860	90	8300
H 3100-175	3100	175	280	520	2550	200	10	200	800	250	500	250	2x7,65	2x55	4150	1850	3050	2300	500	930	90	10000
H 3100-220	3100	220	280	520	2550	180	10	180	800	250	500	250	2x7,65	2x55	4150	1850	3050	2300	500	930	90	11100
H 3700-135	3700	135	280	520	3100	200	10	200	800	250	500	170	2x6	2x34,5	4700	1750	2900	2250	500	860	90	9250
H 3700-175	3700	175	280	520	3100	200	10	200	800	250	500	170	2x7,65	2x55	4750	1850	3050	2300	500	930	90	11250
H 3700-220	3700	220	280	520	3100	180	10	180	800	250	500	170	2x7,65	2x55	4750	1850	3050	2300	500	930	90	12650
H 4100-135	4100	135	280	520	3550	200	10	200	800	250	500	170	2x6	2x34,5	5100	1750	2900	2250	500	860	90	10100
H 4100-175	4100	175	280	520	3550	200	10	200	800	250	500	170	2x7,65	2x55	5150	1850	3050	2300	500	930	90	12350
H 4100-220	4100	220	280	520	3550	180	10	180	800	250	500	170	2x7,65	2x55	5150	1850	3050	2300	500	930	90	13900





ULTRACUT

HYDRAULIC GUILLOTINE SHEAR

UltraCut is designed and built for customers who require precision and versatility from a shear. It is a heavy duty shear with a very strong, rigid frame that performs admirably both in maximum and minimum capacity thanks to its automatic cutting angle adjustment and automatic blade clearance.

Its heavy frame and powerful hydraulic system allows UltraCut to cut maximum thickness at very low pressure and this leads to decades of trouble free operation due to prolonged life time of hydraulic components.





ULTRACUT

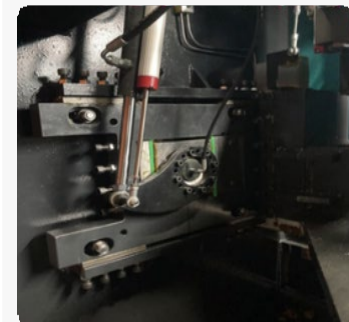
UltraCut's easy to use and capable control CybeleC Cybtouch 8 lets you to enter all the information in one screen and start cutting your material right away. You can also create multistep programs with different backgauge stroke if needed.



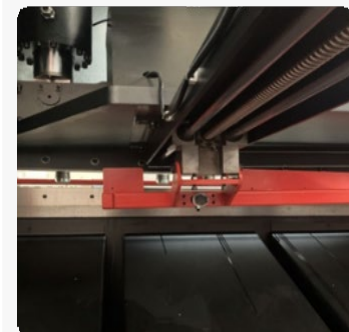
Automatic lubrication system lubricates moving parts at a specified number of strokes and prolongs the life time of critical components.



Blade gap and cutting angle are automatically adjusted when you enter the thickness of the material on Cybtouch 8 control. Cutting stroke is also automatically adjusted when you enter the length of the plate.



UltraCut's backgauge has 1000 mm stroke and runs on ballscrews for maximum precision.



Squaring arm and front support arms, cutting table with roller balls and illuminated cutting line makes it very easy to handle the plate to be cut





U L T R A C U T

Standard Equipments

Rigid frame designed on SolidWorks with stress and deflection analysis, welded by certified welders and machined to 0,01 mm precision in single piece.

Hardened&Ground cutting blades in sections. (Bottom 4 sided, top 2 sided)

CybeleC Cybtouch 8 controller with EasyCut feature.

1000 mm backgauge running on ballscrews with swing away feature

1000 mm squaring arm and front support arms

Sheet sliding panels at the back

Hoerbiege Hydraulic System

Siemens electrical system

Hydraulic hold downs

Illuminated cutting line

Automatic Blade Gap Adjustment system

Automatic Stroke adjustment

Automatic cutting angle

Automatic Lubrication System

Optional Equipments

Pneumatic Sheet Support System at the back (to support thin sheets during cutting)

Sheet Conveyor and Stacking System

Oil Cooler and Oil Heater

Light Barriers on the front for finger protection

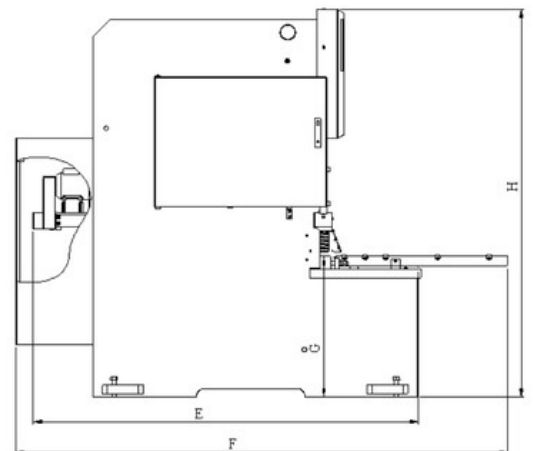
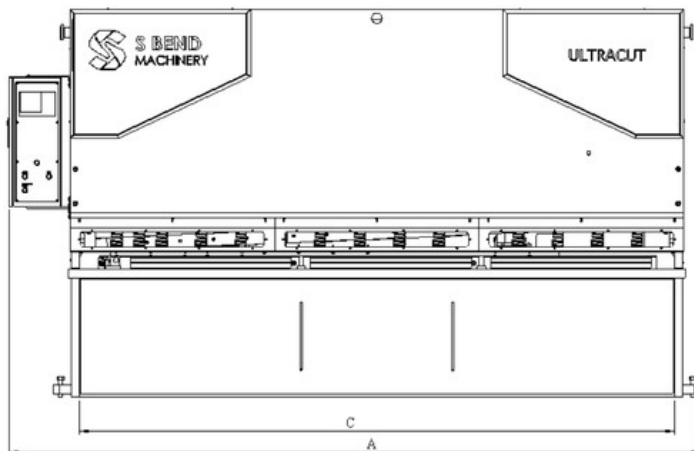
Laser Cutting Line

Front Angle Gauge for tapered cuts

ULTRACUT

UltraCut Technical Specifications

TYPE	Cutting Angle	Cutting Length	Cutting Capacity	Stroke Per Minute	Length	Maximum Width	Height	Width	Working Height	Distance Between Frames	Number of Holddown	Backgauge Engine	B. Working Distance	Backgauge Speed	Engine	Oil Tank	Weight
	(°)	mm	St 44 mm	1/min.	A mm	E mm	H mm	F mm	G mm	C mm	pcs	kw	mm	mm/s	kw	lt	kg
					These are the machine shipping dimensions.												
2106	0,5°..1,5°	2100	6	15...20	3150	2050	2020	2950	790	2480	11	0,75	1000	200	11	200	5950
2110	0,5°..2,5°	2100	10	13...15	3100	2250	2220	3000	815	2480	11	0,75	1000	200	22	300	8550
2606	0,5°..1,5°	2600	6	14...19	3500	2050	2020	2950	790	2980	13	0,75	1000	200	11	200	7150
2610	0,5°..2,5°	2600	10	12...14	3600	2250	2220	3000	815	2980	13	0,75	1000	200	22	300	9450
2613	0,5°..2,5°	3100	13	10...12	3700	2250	2290	3000	815	2980	13	0,75	1000	200	22	300	11650
3106	0,5°..1,5°	3100	6	13...17	4000	2050	2020	2850	790	3480	15	0,75	1000	200	11	200	7950
3110	0,5°..2,5°	3100	10	11...15	4050	2250	2220	3000	815	3450	15	0,75	1000	200	22	300	10750
3113	0,5°..2,5°	3100	13	10...14	4050	2250	2290	3000	815	3450	15	0,75	1000	200	22	300	12250
3116	0,5°..2,5°	3100	16	7...11	4150	2450	2450	3100	880	3450	15	0,75	1000	200	30	400	18250
3120	0,5°..2,5°	3100	20	6...10	4200	2480	2700	3250	1000	3450	15	1,5	1000	200	37	500	24650
3125	0,5°..2,5°	3100	25	4...9	4200	2480	2850	3250	1000	3450	15	1,5	1000	200	45	500	29250
4106	0,5°..1,5°	4100	6	11...16	5000	2100	2080	2850	790	4480	19	0,75	1000	200	11	200	9750
4110	0,5°..2,5°	4100	10	9...14	5050	2250	2320	3000	815	4450	19	0,75	1000	200	22	300	13750
4113	0,5°..2,5°	4100	13	8...13	5050	2250	2340	3000	815	4450	19	0,75	1000	200	22	300	15450
4116	0,5°..2,5°	4100	16	6...11	5150	2350	2550	3100	880	4450	19	1,5	1000	200	30	400	23500
4120	0,5°..2,5°	6100	20	5...9	5200	2430	2890	3250	1000	6500	19	1,5	1000	200	37	500	28250
6106	0,5°..1,5°	6100	6	8...12	7100	2450	2550	2950	950	6500	32	1,5	1000	200	22	300	25350
6110	0,5°..2,5°	6100	10	8...10	7150	2450	2580	3100	1000	6500	32	1,5	1000	200	30	300	27500
6113	0,5°..2,5°	6100	13	7...10	7180	2450	2580	3100	1000	6500	32	1,5	1000	200	30	300	29500
6116	0,5°..2,5°	6100	16	4...8	7200	2550	2750	3250	1000	6500	32	1,5	1000	200	30	400	35500
6120	0,5°..2,5°	6100	20	3...6	7250	2600	3150	3350	1100	6500	32	1,5	1000	200	37	500	49650





MAXCUT

HYDRAULIC GUILLOTINE SHEAR

MaxCut is designed and built for customers who require a dependable, swing beam type shear with a good price/performance ratio. MaxCut's simple control, automatic blade gap adjustment system, 1000 mm backgauge with swing away feature makes it an easy to run, all-around shear.

MaxCut does not compromise even in 6 mm capacity model by offering a rigid frame with standard throat depth.

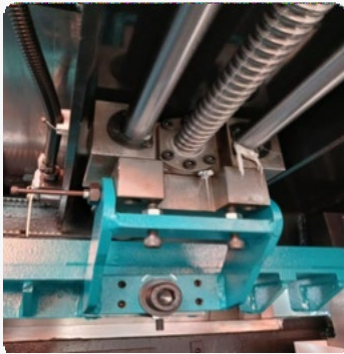




MAXCUT



MaxCut's user friendly touchscreen control lets you program your backgauge and automatically adjusts the blade gap in one simple-designed working page.



MaxCut's backgauge has 1000 mm stroke with swing away functionality and runs on ballscrews for maximum precision.



Blade gap is automatically adjusted when you enter the thickness of the material on the control. Cutting stroke is also automatically adjusted when you enter the length of the plate.



Squaring arm and front support arms, cutting table with roller balls and illuminated cutting line makes it very easy to handle the plate to be cut.



MAXCUT

Standard Equipments

Rigid frame designed on SolidWorks with stress and deflection analysis, welded by certified welders and machined to 0,01 mm precision in single piece.

Hardened&Ground cutting blades in sections.(4 sided lower blade, 2 sided upper blade)

Touchscreen controller with EasyCut feature.

1000 mm backgauge running on ballscrews with swing away feature

1000 mm squaring arm and front support arms

Sheet sliding panels at the back

Hoerbieger Hydraulic System

Siemens electrical system

Hydraulic hold downs

Illuminated cutting line

Automatic Blade Gap Adjustment system

Automatic Stroke adjustment

Optional Equipments

Pneumatic Sheet Support System at the back (to support thin sheets during cutting)

Sheet Conveyor and Stacking System

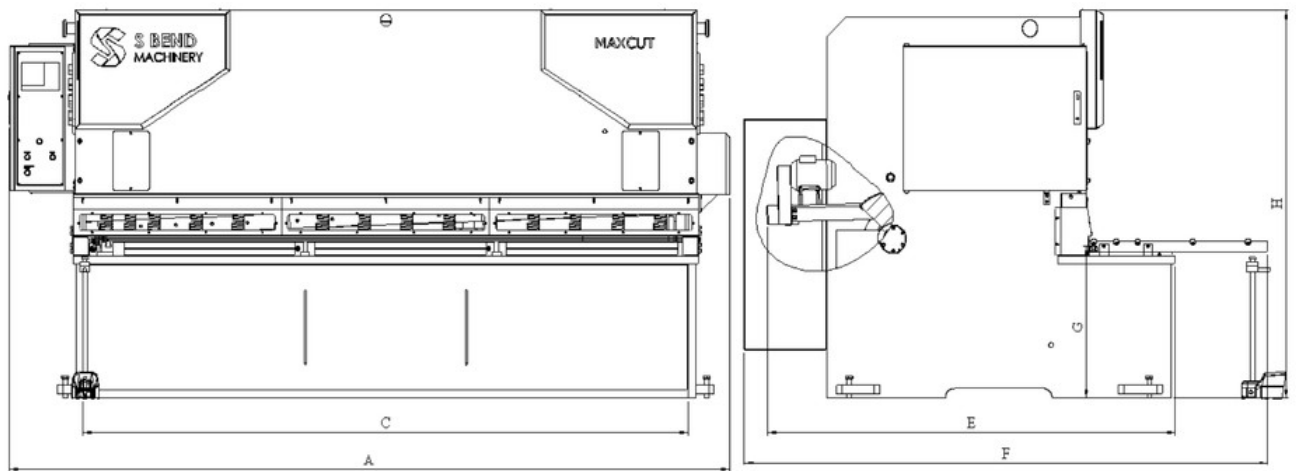
Oil Cooler and Oil Heater

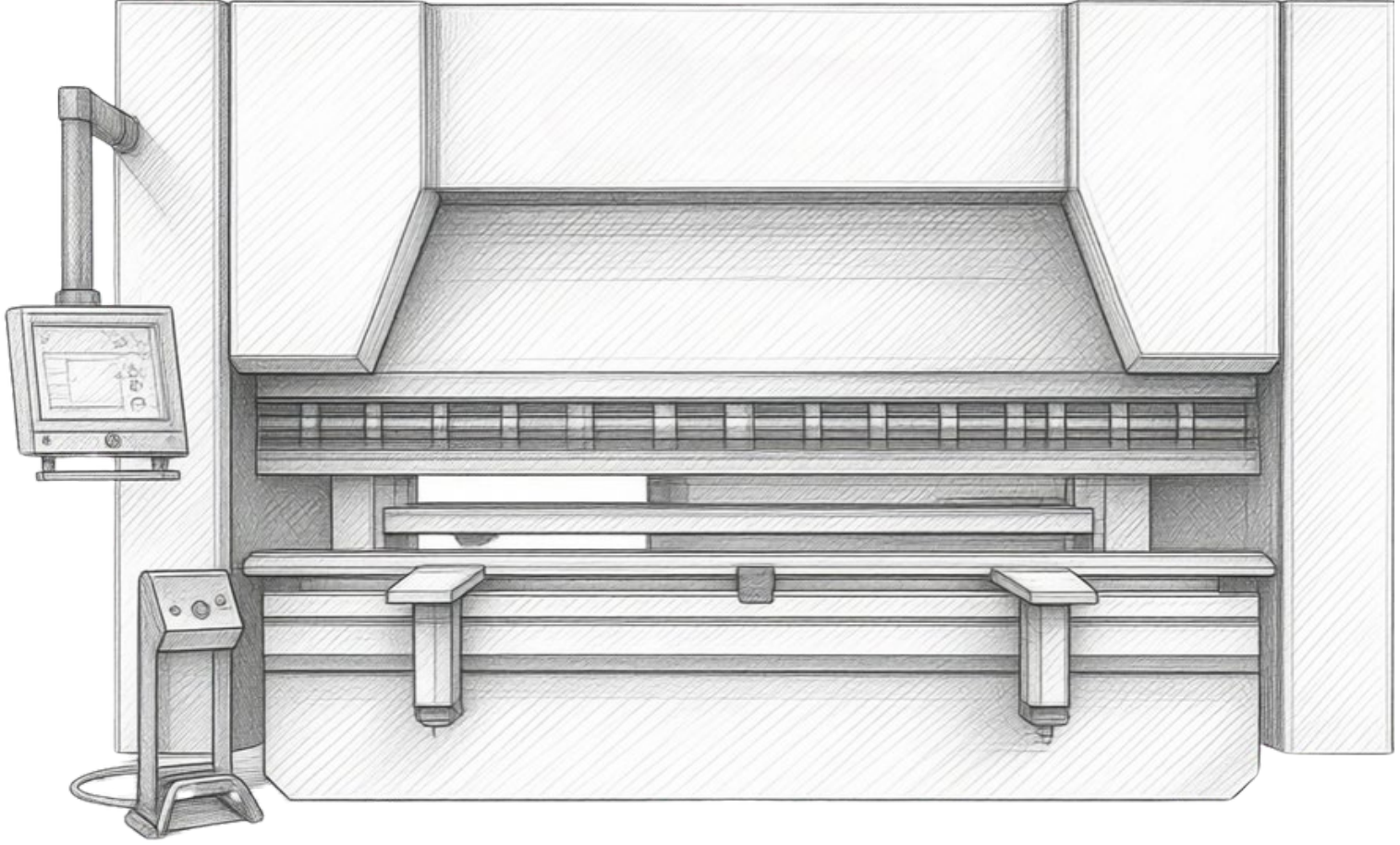
Light Barriers on the front for finger protection

Laser Cutting Line

Front Angle Gauge for tapered cuts

MaxCut Technical Specifications																	
TYPE	Cutting Angle	Cutting Length	Cutting Capacity	Stroke Per Minute	Length	Maximum Width	Height	Width	Working Height	Distance Between Frames	Number of Holddown	Backgauge Engine	B. Working Distance	Backgauge Speed	Engine	Oil Tank	Weight
			St 44		A	E	H	F	G	C							
	(°)	mm	mm	1/dak.	mm	mm	mm	mm	mm	mm	pcs	kw	mm	mm/sn	kw	lt	kg
					These are the machine shipping dimensions.												
2106	1,5°	2100	6	17	3250	2200	1900	2800	790	2480	11	0,75	1000	200	11	200	5450
2110	2°	2100	10	14	3250	2250	2150	3000	815	2300	11	0,75	1000	200	22	300	8250
2606	1,5°	2600	6	16	3700	2200	1950	2800	790	2980	13	0,75	1000	200	11	200	5900
2610	2°	2600	10	13	3730	2250	2150	3000	815	2980	13	0,75	1000	200	22	300	9250
3106	1,5°	3100	6	14	4200	2200	1950	2800	790	3480	15	0,75	1000	200	11	200	6600
3110	2°	3100	10	12	4050	2250	2150	3000	815	3300	15	0,75	1000	200	22	300	9950
3113	2,2°	3100	13	10	4050	2250	2150	3000	815	3300	15	0,75	1000	200	22	300	11200
4106	1,5°	4100	6	11	5200	2200	2000	2800	790	4480	19	0,75	1000	200	11	200	8750
4110	2°	4100	10	10	5050	2250	2200	3000	815	4300	19	0,75	1000	200	22	300	12650
4113	2,2°	4100	13	8	5050	2250	2200	3000	815	4300	19	0,75	1000	200	22	300	14100





CONTACT US



+90 545 689 29 25



www.articnc.com



info@articnc.com



23 Nisan Mh 241. Sk No: 8 D: 42 Nilüfer / BURSA