







We produced our first machine.



We started to produce Heavy duty press brakes and guillotine shears.

1974



We produced the first Tandem Press Brake in Turkey.

1994



We started manufacturing CNC Hydraulic Turret Punch machines.

2003



We started manufacturing Plasma Cutting Machines.

2010



We started manufacturing Hybrid Press Brake.

2015

1950

1971



We produced the first sheet metal working machine "Perforation Press".



We moved to new factory and started to produce 4 roll bending expanded metal press machines.





We finalized the CE conformity procedures and had marked CE to MVD machines.



2011

We started manufacturing Fiber Laser Cutting Machines.



We established the Research and Development Center certified by the Ministry of Industry and Technology.



We started manufacturing Servo Press Brake.



Thanks to MVD Academy, we graduate professional workmates and experts.









We established innovation platform.

Trusted Partner

VALUES

Result: We set clear, specific goals, and we deliver them. For this purpose, we equip our people with the best tools and equipment they need.

Responsiveness: We are aware that doing business is an action between people. We listen with full attention, empathize and reply in the fastest and most accurate way.

Respect: We respect people, nature, the past and the future.



MISSION

We design, produce and deliver safe, high quality and high-efficient machine tools for our customers success.

VISION

Become the world's most reliable leading brand by continuous growth, and to provide sustainability as the 1st choice of the customers with the product and service quality.

ABOUTUS

MVD is a company dedicated to the developing industry with its superior quality understanding and technical service provided worldwide.

Since 1994, MVD has become a significant manufacturing company with its exports to every country in the metalworking machinery industry.

In addition, it has an active role in presenting its machines in more than 90 countries with distributors and partners to the world market. It is one of Turkey's top 5 exporters and wants to lead essential developments in the industry and continue its leadership.

SERVOPRESS BRAKE Ensure Speed, Efficiency, High Energy Saving

Servo Press Brakes as MVD Machine;

In different models and tonnages, we offer our customers the highest quality next generation bending technology.

With our daily "Servo Press Brake" product range, we aim to expand the use of Servo Electric Press Brake Presses, which are user and environmentally friendly for a sustainable world.

To achieve this goal: outside of quality production and service support; In design and production, we are based on reliability, durability and precision. Machines are easy to use but also prepared for user errors.

With "Industry 4.O" compliance, it supports and contributes to intelligent manufacturing processes.







MVD

iBend SERVO PRESS BRAKE

The newest and fastest in its class.

Equipped to easily do the most complex tasks with the advanced CNC Controller.

It allows to make precise bends in different stroke sizes.



www.mvd.com.tr

Your Most



ADVANTAGES OF **SERVO PRESS BRAKE**



Lower energy consumption

Hydraulic Press Brake saves up to 50% energy according to hydraulic press brakes.

More ergonomic and compact design

Thanks to its ergonomic design, it offers a more comfortable way of working for the operator. Thanks to the compact design in the S Series, it is possible to easily carry it to the desired work area with the forklift transport feature.

Lower maintenance and production costs

Since the hydraulic system and cylinder are not used and are fully electric, maintenance costs are low and provide the possibility of production at lower costs.

More perfect bend results

Thanks to more precise positioning and repeatabi-It does not create environmental pollution due to the lity, bending results are better quality and more reliuse of oil and the operation of it with 100% electric able. In this way, lower per-piece costs are reached power as no oil filter is required. In this way, it contribubecause secondary operations are not required. tes to the environment and your corporate economy.

Sales Cost Scenario (Based on full time working)									
EN	Hydraulic Press Brake A40-1250								
	Bend [Qty]	Bend [Qty]	Difference						
Daily [8 Hours]	2.880	3.456 (20 % faster)	576						
Monthly [20 Days]	57.600	69.120	11.520						
Annual [240 Days]	691.200	829.440	138.240						
Profit per bend [0.25 €]	172.800,00€	207.360,00 €	34.560,00€						
Operator costs scenario (Base	ed on full time working)								
Maintenance [Annual]	3.000,00€	1.000,00€	2.000,00€						
Operator costs [12 Months]	50.000,00€	40.000,00 € (20 % lower)	10.000,00€						
Total	53.000,00 €	41.000,00€	12.000,00€						
Annual Profit			46.560,00€						

Sales Cost Scenario (Based on full time working)									
EN	Hydraulic Press Brake A40-1250	Servo Screw Driven Press Brake S40-1250							
	Bend [Qty]	Bend [Qty]	Difference						
Daily [8 Hours]	2.880	3.456 (20 % faster)	576						
Monthly [20 Days]	57.600	69.120	11.520						
Annual [240 Days]	691.200	829.440	138.240						
Profit per bend [0.25 €]	172.800,00€	207.360,00 €	34.560,00 €						
Operator costs scenario (Base	ed on full time working)								
Maintenance [Annual]	3.000,00€	1.000,00€	2.000,00€						
Operator costs [12 Months]	50.000,00€	40.000,00 € (20 % lower)	10.000,00€						
Total	53.000,00€	41.000,00€	12.000,00€						
Annual Profit			46.560,00€						

Worked for illustration purposes. Based on ideal working situation. Per minute: 6 Bends Daily: 8 hours of work Monthly: 20 days of work Profit per bend [0.25 €]

Faster

Due to the lack of time losses in the hydraulic system, the reaction time is shorter.

This allows you to be 30% faster and work more efficiently.

Shorter bending processes

Thanks to its higher acceleration and rapid reaction, the bending process is shorter and provides more part processing.

Lower sound

Servo Press Brake works quieter than presses. For this reason, it reduces the sound pollution for the operator and provides a better working environment.

Fewer parts and connections

NEW GENERATION ELECTRIC SERVO PRESS BRAKE









Body Structure

- Robust monoblock body with O-Type or C-Type frame range provides high precision in bending operations.
- Compact Body: With quick installation and easy handling, you can install and adapt to your mass production line according to your needs.

CNC Unit

- ESA S 63O Controller (Standard)
- 10" colour touchscreen
- Automatic bending sequence
- Easy-to-program 2D graphics display.
- Up to 4 Axis (Y1,Y2, X and R) Other recommended Controllers: ESA S 66O 3D Control Unit (Optional) Delem DA 53T, DA58T, DA66T (Optional)

Front Supports / Work Table

- Strong front support arms, linear guide and bearing system can be easily moved left and right and fixed in the desired position. (Standard)
- Thankstoitsfoldablefronttable, it allows the operator to work both standing and sitting. (Optional)

Back Gauge

- MVD X+R Back Gauge (2 Axis) Is a usable solution for easier machining of parts. (Standard)
- MVD X+R+Z1+Z2 Backgauge provides motion thanks to Servo motor that acts according to the program in the cycle you programmed on the Z1 & Z2 Control Unit (Optional)
- With the help of high-precision and high-quality Servo motors, the backgauge can be positioned quickly and precisely.

Security System

 Designed to European CE standards and has innovative safety features.

Manual or Motorized Crowning

■ The crowning system ensures that the yawning of the lower and upper table due to the applied force eliminates the effect of the sheet metal on the bending angle. This correction is carried out in real time and with the latest sensors thanks to motorized crowning. Crowning allows you to achieve more precise and constant bending results in long parts.

Die Holders and Tools

- European Type tool holder and die holder systems (Standard)
- Wila mechanical, pneumatic and hydraulic die holder system (Optional)









E-Series

Belt Driven Servo Press Brake

Bending operations with belt and pulley movement system are driven by 2 synchronous operated servo motors.

Thanks to the springs that support the top table, energy is saved in return movements.

In belt driven servo press brakes, O-Type body system is used instead of C-Type body system. Therefore, the deformation that may occur in high force applications is prevented thanks to the O-Type body and more precise bending results are obtained.

BELT DRIVEN SERVO PRESS BRAKES

- Faster
- Shorter bending processes
- More excellent bend results
- Lower maintenance and production costs
- Quieter
- Less energy consumption

BE THE WINNER OF EVERY DAY



RECOMMANDED CONTROL UNITS

ESA S660W



19 inc touch screen control unit 3D - 3-12 Axis

ESA S640 ESA S650



DELEM 53T. **DELEM 58T**



control unit 2D - 3-8 Axis



CypTouch 15



control unit 3D - 3-12 Axis



X +R Eksen Arka Davama



GIVI Optik Lineer Cetvel

Cabuk Sıkma

Standard Features

- 1. Y1. Y2. X. R 4 Axis CNC
- 2. ESA S630 Controller
- 3. Stroke 300 mm , Throat Depth "0" Type
- Servo motorized back gauge Accuracy ±0.03 mm X: 750 mm 4.
- 5. Back gauge finger 2 pcs, 3 stages
- 6. Quick clamping promecams
- 7. Narrow bottom table specific to MVD (European type)
- 8. Standard punch tool ES 1260 (H: 67 mm, 85°, R: 0.8 mm)
- 9. Standard die tool ES 2067 (60x60 mm, 4-channel V=16-22-35-50 mm, 85°, H: 60 mm)
- 10. High quality and precision linear rulers
- 11. Laser beam front security system
- 12. Led lighting
- 13. Sliding front support system
- 14. GIVI optic linear ruler (0.005 mm untied)
- 15. Double-switch pedal

Optional Features

- 1. Original WILA wedge bottom table crowning system
- 2. AKAS or DSP laser beam front safety system
- 3. Additional back gauge fingers
- 4. MVD back gauge (X+ R, starting from 4-6-8 axis back gauge options Z1, Z2, X5, ATFL)
- 5. MVD bending support AP
- 6. UNIMEC back gauge (X+ R, starting from 4-6-8 axis back gauge options Z1, Z2, X5, ATFL)
- 7. UNIMEC bending support AP
- 8. WILA hydraulic top and bottom die clamping







Throat



Model	Unit	E80	E100	E130	E130	E160	E160	E200	
Bending Lenght (B)	mm	2600	3100	3100	4100	3100	4100	4100	
Bending Force (Ton)	Ton	80	100	130	130	160	160	200	
Stroke (S)	mm	300	300	300	300	260	260	260	
Throat depth (T)	mm	O-Tipi	0-Tipi	0-Tipi	0-Tipi	O-Tipi	0-Tipi	O-Tipi	
Daylight (D)	mm	505	505	505	505	465	465	465	
Table Height (E)	mm	900	900	900	900	900	900	900	
Approach Speed	mm/s	100	95	85	75	95	85	70	
Bending Speed	mm/s CE Norm	10-20	10-20	10-20	10-20	10-20	10-20	10-20	
Return Speed	mm/s	100	95	85	75	95	85	70	
Length	mm	3750	4275	4275	5275	4285	5300	5050	
Width	mm	1900	1950	1950	1950	1950	2000	2000	
Height	mm	2500	2500	2500	2500	2500	2550	2650	
Weight	kg	6200	7150	8700	11000	12500	14300	17000	
Main Motor	kW	11.5	11.5	15.5	15.5	22.0	22.0	25.5	
Motor Count	pcs	2	2	2	2	2	2	2	
Back gauge finger	pcs	2	2	2	2	2	2	2	
X (Axis Speed)	mm/s	250	250	250	250	250	250	250	
R (Axis Speed)	mm/s	100	100	100	100	100	100	100	
Z1 (Axis Speed)	mm/s	450	450	450	450	450	450	450	

*Bending speeds above 10 mm/s are used only in robotic applications due to "CE Norms". **See the side page for measurement details. ***Specifications may change without notice.











S-Series

BIG SOLUTION FOR SMALL PARTS



VisiPac 19

GIVI Optic Linear Ruler

X + R Axis Back Gauge

Ouick clamping

ESA S650

ESA S660W

DELEM 58T

DELEM DA66T

Standard Features

- 1. Y1. Y2. X. R 4 Axis CNC
- 2. ESA S630 Controller
- 3. Stroke 275 310 mm, Throat Depth 300 mm
- 4. Servo motorlzed back gauge accuracy ±0.03 mm X: 750 mm
- 5. Back gauge finger 2 pcs, 3 stages
- 6. Quick clamping promecam
- 7. Narrow bottom table specific to MVD (European type)
- 8. Standard punch tool ES 1260 (H: 67 mm, 85°, R: 0.8 mm)
- 9. Standard die tool ES 2067 (60x60 mm, 4-channel V=16-22-35-50 mm. 85°. H: 60 mm)
- 10. High quality and precision linear rulers
- 11. Laser beam front safety system
- 12. Led lighting
- 13. Sliding front support system
- 14. Single pedal

Optional Features

- 1. CE comformity AKAS or DSP Laser beam front safety system
- 2. UNIMEC back gauge
- 3. Front working table









Screw Driven Servo Press Brake Technical Specifactions

Model	11-14		Screw Driven			
Model	Unit	E20	E40	E60		
Bending Length	mm	950	1250	2100		
Bending Force (Ton)	Ton	20	40	60		
Max. Stroke (S)	mm	210	210	210		
Throat Depth (T)	mm	300	300	300		
Daylight (D)	mm	410	410	410		
Approach Speed	mm/s	150	150	150		
Bending Speed	mm/s CE Norm	10-20	10-20	10-20		
Return Speed	mm/s	150	150	150		
Length	mm	1610	1960	2840		
Width	mm	1350	1450	1450		
Height	mm	2570	2610	2610		
Weight	kg	2900	4000	5300		
Main Motor	kW	4,3 kW	2 x 4,3 kW	2 x 7 kW		
Motor Count	pcs	2	2	2		
Back Gauge Finger	pcs	2	2	2		
X Axis (750 mm)	mm/s	250	250	250		
R Axis (250 mm)	mm/s	100	100	100		
Z1 Axis	mm/s	450	450	450		

*Bending speeds above 10 mm/s are used only in robotic applications due to "CE Norms". **See the side page for measurement details. ***Specifications may change without notice.



CONTROL UNITS



ESA S 630 3-4 Axis Standard



ESA S 640

3-6 Axis Option



ESA S 66OW Option

ESA S 650

4-8 Axis

Option

- 10 inc 2D Touchscreen
- Manual bending sequence and collision check calculation
- Dead point and Crowning calculation
- 2D Drawing
- 15 inc 2D Touchscreen
- Automatic bending sequence and collision check calculation
- Dead point and Crowning calculation
- 2D Drawing
- 15 inc 2D Touchscreen
- Automatic bending sequence and collision check calculation
- Dead point and Crowning calculation
- Flash Disk input
- Fiber optic interface
- 2D Drawing
- Bending management
- 19 inc 4:3 high resolution 3D Touchscreen
- 2.5" 20GB or more hard disk support
- Ability to draw 3D Transfer DXF files
- Automatic bending sequence and collision check calculation
- Bending management Dead point and Crowning calculation
- Remote access Windows 7 operating system"

CNC units, which have the latest technology system, offer high precision bending. Pattern Ease of use for the operator by supporting tool holder systems and multi-axis back gauge systems. It helps to achieve excellent results.

- 10 inc 2D Touchscreen
- 2D Drawing, view, bending simulation
- User friendly 1 GB Storage
- Semi-Auto bending sequence and collision control calculation
- Deadpoint and motorized calculation
- Backup data Resolve issues via remote access
- 15 inc 2D touchscreen
- 2D Drawing, view, bending simulation
- User friendly 1 GB Storage
- Auto bending sequence and collision control calculation
- Deadpoint and motorized calculation
- Backup data Resolve issues via remote access
- 17 inc 2D Touchscreen
- 2D drawing, 3D view, bending simulation (Option)
- User friendly 1 GB Storage
- Auto bending sequence and collision control calculation
- Laser angle measurement system and correction function (Option)
- AP Bending support (Option)
- Deadpoint and motorized calculation
- Special application support
- Backup data Resolve issues via remote access
- 17 inc 2D Touchscreen
- 2D drawing, 3D view, bending simulation
- User friendly 2 GB Storage
- Auto bending sequence and collision control calculation
- Laser angle measurement system and correction function (Option)
- AP Bending support (Option)
- Deadpoint and motorized calculation
- Special application support
- Backup data Resolve issues via remote access



DELEM DA-53T 3-4 Axis Option



DELEM DA-58T 3-4 Axis Option









TOP PUNCH Holders

- Precision, positioning and alignment
- Maximum speed and safety
- Horizontal or vertical die change
- Maximum efficiency









60mm veya 90mm Avrupa tipi alt kalıp tutucu.



BOTTOM DIE Holders







BACK GAUGE OPTIONS



X travel 750mm, R travel 250mm - Reinforced R Axis with linear sliding



X travel 750mm, R travel 250mm - Z1, Z2 travel up to back gauge length





"Back Gauge System", which is one of the most important factors affecting the bending measure, can be used with a single step.

Whether you can bend multi-step complex parts with abutment options up to 6-8 axes. Supported by linear bearing, servo motors, ball and screw shaft, the MVD back gauge provides

Supported by linear bearing, servo motors, ball and screw shaft, the MVD back gauge pr high speed and precision bending without defect. Thanks to its 3-stage back gauge fingers, it allows you to easily make any type of bending.

X1, X2, Z1, Z2+X5 AXIS BACK GAUGE



X travel 750mm , R travel 250mm - X5 travel 200mm (\pm 100mm) Z1, Z2 travel up to back gauge length

X1, X2, R1, R2, Z1, Z2 ATF AXIS BACK GAUGE



6 Axis tower type back gauge system - High resistance design against impacts.





OTHER OPTIONS









CABIN COOLERAIR-CONDITIONED COOLING SYSTEM





2





SAFETY OPTIONS













3





TOP PUNCH



BOTTOM DIE

R: 12,5



85° / H: 60/ V: 16/22/35/50/ Max T/m: 80



88° / H: 94,35/ R: 0,25 / Max T/m: 50

80° / H: 95 / V: 100 / Max T/m: 120



3015



3076



TOP PUNCH HOLDERS

BENDING TABLE

6

0,157" 0,236" 0,315"

0,6 1 1,2

4

mm from outside to outside 2,8 4,2 5,6

8

10

0,394"

7

1,5

V(mm)

V(inc)

ri(mm)



WILA NSCL-I-HC

MVD QUICK CLAMPING PROMECAM



Material thickness (mm)																	
0,5		4	2														
1			10	8	5,5	4,5							= <mark>S</mark>	² x 2 x 1.4 x		= †	ton/m
1,2			16	12	9	7									•		
1,5				20	14	11	8	6									
2						22	15	11	9,5								
2,5							25	19	15	11							
3								28	22	17	12						
4	TER								44	22	22,5	17					
5	RME									55	37	29	22				
6	EPE										58	42	34				
8	INAG											83	65	45	35		
10	ē					•							110	75	57	45	
12					X	\$X								116	85	68	
14						Ú)	X								121	91	68
15						V)									143	112	79
16					TS: Tensil	e Streng	th								168	131	90
18					(Steel 42	2 kg/mm²	J									172	119
20																222	150
25																	254



3

12	16	20	24	30	40	50	60	80	100	120	160
0,472"	0,630"	0,787"	0,945"	1,181"	1,575"	1,969"	2,362"	3,150"	3,937"	4,724"	6,299
8,6	11,5	14,4	17	21	29	36	42,4	56,5	71	85	114
1,8	2,4	3	3,6	4,5	6	7,5	9	12	15	18	24

BOTTOM DIE HOLDERS



OUR SERVICES

POWER



ON TIME DELIVERING



With our flexible team, we are delivering on promised time!

TRUST



As MVD, trust is one of the most important principle of us, so you can see it in our cooperation and in our reliable machines.

AFTER SALES SUPPORT



With our service team, spare part stocks and operator trainings our products are MVD brand's assurance for many years.

INNOVATION

R&D





We are investing to improve MVD Quality.

MVD develops technology for the future...

TRAINING



We offer advanced operator training for the efficient use of our machines.

SPARE PART SERVICE



We will never let you down! Our service is always available for you!

CONSULTANCY



Since we know the all industries, we assist you with the right choice.

CUSTOMIZED OFFERS



We compose special offers according to the needs of our solution partners.

PRODUCTIVITY



Under our quality assurance we produce machines for increase your productivity.

With our experience from the past and vision of the future, MVD is your strongest solution partner for your business.

QUALITY



MVD offers quality to its solution partners by producing "World Class" machines.



DESIGN



We involve innovative works carefully in our machines.



FULLY ELECTRICAL

MVD

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OUR PRODUCTS







