

# **iShear**

GUILLOTINE SHEAR



**MVD**



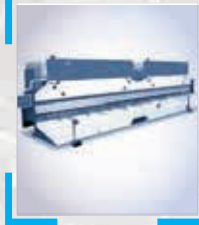


**2001**



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

**1994**



We produced the first Tandem Press Brake in Turkey.

**1981**



We moved to a new factory and added "4 roll bending machines" and "Expanded Metal Presses" to our production line within the next year.

**1974**



We started to produce "Heavy-duty Press Brakes and Guillotine Shears" and we had the reputation(distinction) of being the first Turkish manufacturer for heavy press brakes and shears as MVD brand.

**1971**



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

**1950**



We produced our first machine.



**2003**



We started manufacturing CNC Hydraulic Turret Punch machines.

**2010**



We started manufacturing Plasma Cutting Machines.

**2011**



We started manufacturing Fiber Laser Cutting Machines.

**2015**



We started manufacturing Hybrid Press Brake.

**2017**



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

**2018**



We started manufacturing Servo Press Brake.



# Shaping the Future

## VALUES

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

**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 a human to human activity. We listen to empathetically and reply quickly and appropriately.





# MVD

## 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.



## GUILLOTINE SHEAR

# iShear

## GUILLOTINE SHEAR

Quality and service support is accepted as principle. Designing and Manufacturing are based on reliability, durability and precision. Machines are easy to use and are built to be ready for user errors. Machines are designed and analyzed with 3-D computer programs, manufactured as welded steel construction, "stress relieved", precisely machined in moving column CNC machining centres, equipped with world-known equipments and presented to the customers use after quality control.





# A Series

## Mechanical Guillotine Shears

### GENERAL FEATURES

A SERIES Guillotine Shears, suitable for cutting thin sheet material, up to thickness of 6 mm.

Machine body and upper beam's steel constructions have been designed according to minimum stretch and optimum resistance criteria.

Body is machined on the high precision CNC machining centers ensuring the maximum cutting quality and accuracy.



### ELGO P40T CNC CONTROL UNIT

- 5,7 inc Touch Screen
- 1000 steps program memory
- Multi language support
- Sheet support control feature
- Material selection list: ST37, ST42, Stainless Steel, Aluminum
- Single set operation

Standard





## Standart Features

1. **ELGO P40T Touch screen NC Control Unit**
2. Rigid welded monoblock frame provide maximum cutting accuracy
3. **CNC controlled motorized 750mm back gauge travel**
4. Upper blade 2 edges / Bottom blade 4 edges. High carbon/high chrome
5. Mechanical sheet hold down system holds the sheet in place during the cutting process
6. Simple Blade Gap adjustment system
7. Front table with roller bearings
8. Front Support Arms with scale
9. Illuminated cutting line
10. Front finger protection guard
11. Foot pedal
12. Rear safety guards
13. Emergency stop button



### Standard

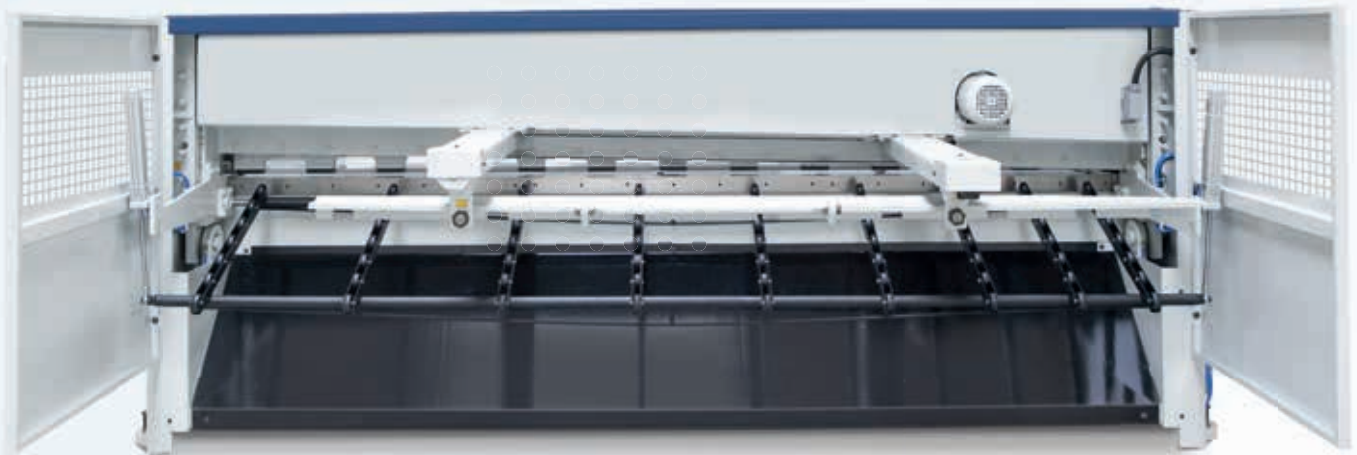
Rear safety guards

## Optional Features

1. 1.000 mm back gauge travel
2. Pneumatic Sheet support system (Rear Drop)
3. Pneumatic Sheet support system (Front and Rear Drop features)
4. Angular gauge 0-180°
5. Longer front sheet supports & squaring arm
6. Manual backgauge 750mm, easy adjusment with hand wheels at front
7. Rear light barrier with CE conformity

# A Series

Mechanical Guillotine Shears



\*Optional rear sheet support system, selectively can return the cut part to the sender at front or can drop it back.

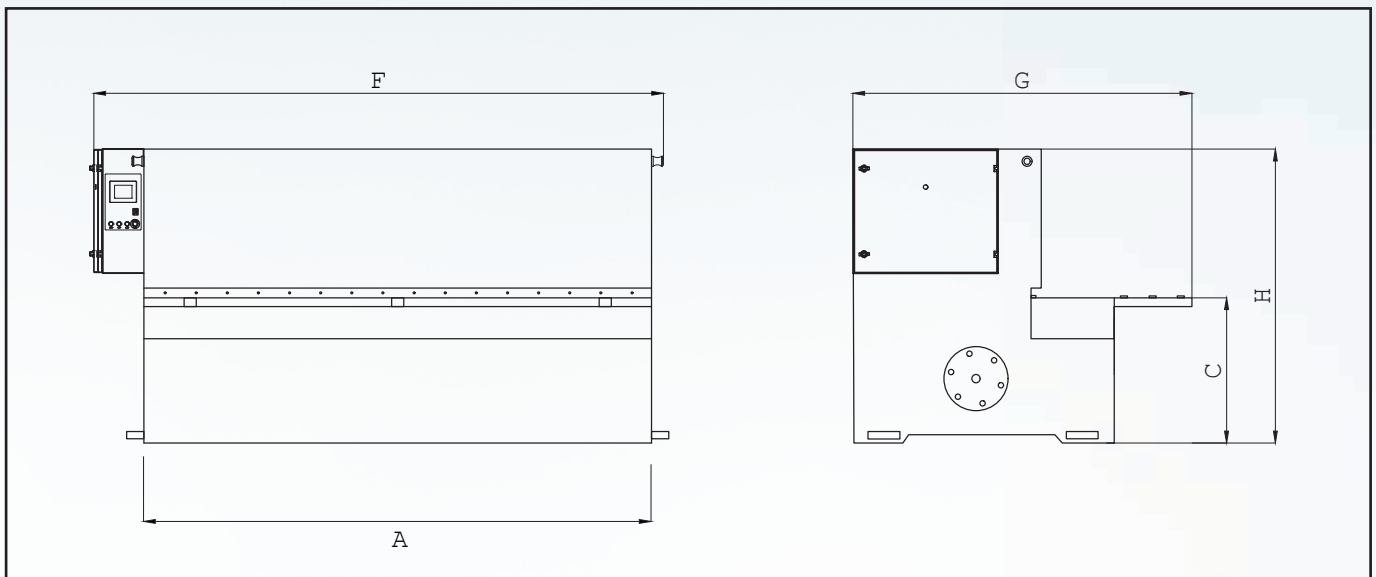


## A Series Technical Specifications

Machine Type	Cutting Capacity (450N/mm2)	Cutting Length	Cutting Angle	Cutting Speed	Table Height	Dimensions			Motor Power	Weight
	mm	A	Degree	hpm	C	Length x Width x Height (L x W x H)			kWh	Kg
		mm	°		mm					
A03/1360	3	1360	2.1	41	800	2050	2300	1350	4	1250
A03/1560	3	1560	1.83	41	800	2250	2300	1350	4	1500
A03/2060	3	2060	1.3	41	800	2600	2250	1400	4	1750
A02,5/2560	2,5	2560	1.3	41	800	3100	2250	1400	4	1950
A03/3060	2	3060	1.3	41	800	3600	2250	1400	4	4000
A06/1100	6	1100	2	41	800	1750	2300	1350	7,5	2000
A06/1360	6	1360	2	41	800	2050	2300	1350	7,5	2300
A05/1560	5	1560	2	41	800	2250	2300	1350	7,5	2500
A04/2060	4	2060	1.3	41	800	2600	2250	1400	7,5	3000
A04/2560	4	2560	1.3	41	800	3100	2250	1400	7,5	3500
A04/3060	4	3060	1.3	41	800	3600	2250	1400	7,5	4000
A04/3700	4	3700	1.3	35	800	4250	2250	1400	7,5	4900

\*Special Capacity machines can be manufactured upon request

\*\*Technical specifications may change without advance notice.



# B Series

## Swing Beam Hydraulic Guillotine Shears

### GENERAL FEATURES

MVD Hydraulic Guillotine Shears

Increased productivity with double speed concept.

50% more cuts/minute with half of the original cutting capacity.

Shears cutting thickness from 6 mm - up to 25 mm, cutting length from 2 meter - up to 6 meter. Provides high cutting quality with low cutting angle design concepts.

Unique construction feature have a fixed angle of cut.

Machine can be produced with automatical blade gap and stroke adjustment by NC controller according to customer's request.

Machine body and upper beam's steel constructions have been designed according to minimal deflection and optimum resistance criteria.

Motorised back gauge 1.000 mm driven with linear ball screw, without backlash guide with +/- 0,1mm positioning accuracy and programmable retract features.

Automatic swing -up feature of backgauge after 1000 mm to feed longer sheets easily.



#### Standard ELGO P40T

5,7 inc  
Touch Screen

### MORE CNC CONTROLLER RECOMMENDATIONS

#### • CYBELEC CybT 8 G



7 inc Touch Screen

#### • ESA S625



7 inc Touch Screen



## Standart Features

1. **ELGO P40T Touch screen NC Control Unit**
2. Rexroth / HAWE hydraulic system
3. **Manual blade gap adjustment system**
4. 1.000 mm NC Controlled, Programmable, motorized back gauge
5. **Double Speed cutting machine concept**
6. **250 mm throat depth**
7. Programmable back gauge retract feature
8. **Back gauge swing-up feature for sheets longer than 1.000 mm**
9. Stroke adjustment on the control panel for increasing stroke number for short cutting efficiency
10. Transfer table with roller balls
11. Upper blade 2 edges / Bottom blade 4 edges
12. **Unique components that reduces maintenance need.**
13. Front support arms 1.000 mm, with ruler scale, T channel & flip stops
14. Front and side protective covers
15. Illuminated cutting line
16. Front finger protection guard, 1.000mm which has swing-up feature
17. Foot pedal
18. **Special designed covers with movable controller arm**
19. Emergency stop buttons
20. Rear laser barrier with CE conformity

## Optional Features

1. Pneumatic Sheet support system (Type A)
2. Pneumatic Sheet support system- with Return to sender feature (Type B)
3. CNC controlled Auto blade gap adjustment system
4. Angular gauge 0-180°
5. Longer front sheet supports & squaring arm
6. Special throat depth 500 mm
7. Full length opening front finger guard
8. Laser guard for front finger protection
9. Special alloy blades
10. Laser cutting line
11. Oil cooler and oil heater
12. AC cooling unit electrical cabinet
13. Automatic or Manual central lubrication
14. CNC controlled front sheet feeder arms
15. Machine without special design covers (The image on next page \*)



Standard

250 mm Throat Depth



Standard

Manual Blade Gap Adjustment System



Standard

Transfer table with roller balls and 1 Meter opening finger protection cover

# B Series

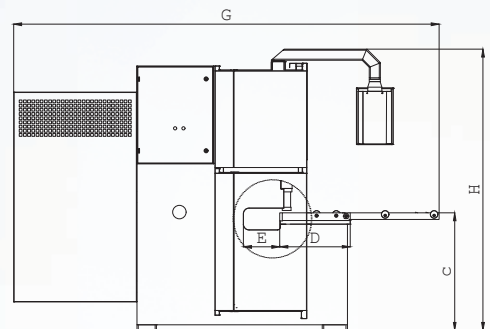
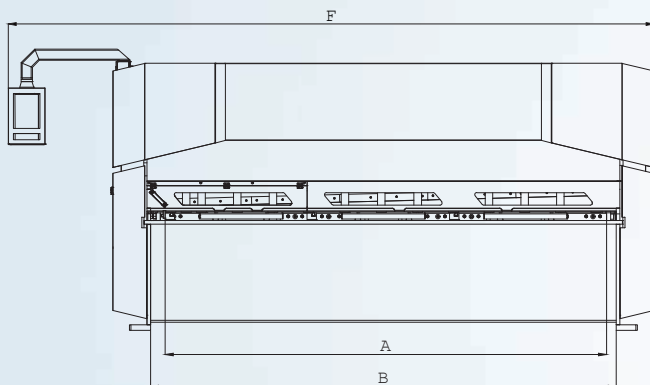


Swing Beam

Hydraulic Guillotine Shears



\*Optional  
Light type body cover  
image





## B Series Technical Specifications

Machine Type	Cutting Capacity		Cutting Length	Cutting Angle	Hold Down Cylinders	Cutting Speed / Fast Mode	Distance Between Columns	Table Height	Table Width	Throat Depth	Backgauge Travel - X Axis	Machine Dimensions			Oil Tank Capacity	Motor Power	Weight
	450 N/mm <sup>2</sup>	700 N/mm <sup>2</sup>	A	Degree	Qty	hpm	B	C	D	E	mm	Length x Width x Height (F x G x H)			lt	kWh	Tons
	mm	mm	mm				mm	mm	mm	mm		mm					
B06/2100	6	4	2100	1,5	10	21/30	2330	850	500	250	1000	3630	2965	1990	160	10	4,3
B06/2600	6	4	2600	1,5	11	20/26	2830	850	500	250	1000	4130	2965	1990	160	10	5,5
B06/3100	6	4	3100	1,5	14	18/23	3330	865	500	250	1000	4630	2965	1990	160	10	6
B08/3100	8	5	3100	1,9	14	13/18	3340	865	580	250	1000	4660	3470	2065	265	15	8
B10/3100	10	6	3100	2	14	13/18	3340	880	600	250	1000	4675	3520	2140	265	22	9,6
B13/3100	13	8	3100	2,1	14	9/14	3340	880	620	250	1000	4680	3585	2300	265	22	11,5
B16/3100	16	10	3100	2,25	17	7/10	3410	880	585	200	1000	4780	3750	2300	495	30	15,8
B20/3100	20	13	3100	2,75	17	6/9	3410	925	605	150	1000	4790	3850	2540	495	37	19
B25/3100	25	17	3100	2,75	17	5/8	3460	1000	630	250	1000	4930	3850	2980	495	55	27
B06/4000	6	4	4000	1,5	18	13/20	4230	870	600	250	1000	5550	3340	2165	250	10	10,8
B08/4000	8	5	4000	1,5	18	13/20	4240	870	630	250	1000	5570	3625	2190	265	22	13,2
B10/4000	10	6	4000	1,5	17	11/17	4240	890	635	250	1000	5580	3725	2290	265	22	16,2
B13/4000	13	8	4000	1,8	18	9/15	4310	930	660	250	1000	5665	3785	2380	350	22	18,5
B16/4000	16	10	4000	2,15	18	5/16	4310	960	625	250	1000	5680	3840	2575	490	30	22
B20/4000	20	13	4000	2,03	18	4/15	4390	960	710	250	1000	5780	3930	2800	490	45	26,3
B06/6150	6	4	6150	1	26	4/10	6440	950	750	250	1000	7770	3655	2300	345	22	23
B08/6150	8	5	6150	1,2	26	4/9	6450	1000	810	250	1000	7780	3700	2400	345	22	26
B10/6150	10	6	6150	1,2	26	3/7	6460	1000	810	250	1000	7780	3750	2500	345	22	29

\*Special Capacity machines can be manufactured upon request

\*\*\*Technical specifications may change without advance notice.

# C Series

## Variable Rake Angle Hydraulic Guillotine Shears

### GENERAL FEATURES

C Series Hydraulic Variable Rake Angle Shears automatic cutting angle calculating, provides high cutting quality in the widest range of materials type and sheet thickness.

Automatically calculates and applies; cutting angle, blade gap adjustment, stroke of the cutting length, back gauge positioning according to material type and thickness with CNC controller and hydraulic valve.

When cutting thin and short parts, angle and stroke length is automatically reduced, with so cut count and speed is increased.

Machine body and upper beam's steel constructions have been designed according to minimal deflection and optimum resistance criteria.

Motorised back gauge 1.000 mm driven with linear ball screw, without backlash guide with +/- 0,1mm positioning accuracy and programmable retract features.

Automatic swing -up feature of backgauge after 1000 mm to feed longer sheets easily.



Standard  
ELGO P40T

5,7 inc  
Touch Screen

### MORE CNC CONTROLLER RECOMMENDATIONS

- CYBELEC CybT8 PS



7 inc Touch Screen

- ESA S625



7 inc Touch Screen



**Standard**

CNC controlled Auto blade gap, stroke and blade adjustment system

## Standart Features

1. **ELGO P40T Touch screen NC Control Unit**
2. Rexroth / HAWE hydraulic system
3. **CNC controlled Auto blade gap, stroke and blade adjustment system**
4. 1.000 mm CNC Controlled, Programmable, motorized back gauge
5. **250 mm throat depth**
6. Programmable back gauge retract feature
7. **Back gauge swing-up feature for sheets longer than 1.000 mm**
8. Stroke adjustment on the control panel to increase stroke/min during cutting short parts
9. Transfer table with roller balls
10. Upper blade 2 edges / Bottom blade 4 edges
11. **Components that reduces maintenance need.**
12. Front support arms 1.000 mm, with ruler scale, T channel & flip stops
13. Front and side protective covers
14. Illuminated cutting line
15. Front finger protection guard, 1.000mm which has swing-up feature
16. Foot pedal
17. **Special designed covers with movable controller arm**
18. Emergency stop buttons
19. Rear laser barrier with CE conformity

## Optional Features

1. Pneumatic Sheet support system (Type A)
2. Pneumatic Sheet support system- with Return to sender feature (Type B)
3. Angular gauge 0-180°
4. Longer front sheet supports & squaring arm
5. Special throat depth 500 mm
6. Full length opening front finger guard
7. Laser guard for front finger protection
8. Special alloy blades
9. Laser cutting line
10. Oil cooler and oil heater
11. Automatic or Manual central lubrication
12. AC cooling unit electrical cabinet
13. CNC controlled front sheet feeder arms
14. Machine without special design covers (The image on next page \*)

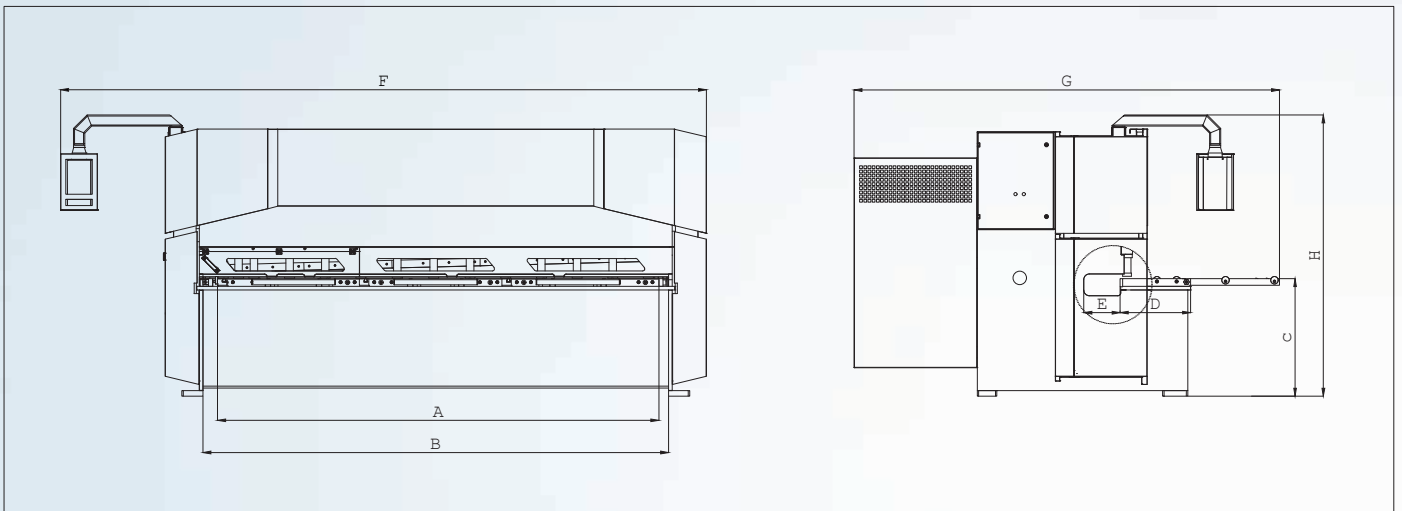


# C Series

Variable Rake Angle  
Hydraulic Guillotine Shears



\*Optional Light cover body, view.



## C Series Technical Specifications

Machine Type	Cutting Capacity		Cutting Length	Cutting Angle	Hold Down Cylinders	Cutting Speed / Fast Mode	Distance Between Columns	Table Height	Table Width	Throat Depth	Backgauge Travel - X Axis	Machine Dimensions			Oil Tank Capacity	Motor Power	Weight
	450 N/mm <sup>2</sup>	700 N/mm <sup>2</sup>	A	Min-Max	Qty	hpm	B	C	D	E	mm	Length x Width x Height (F x G x H)			lt	kWh	Tons
	mm	mm	mm	Degree			mm	mm	mm	mm		mm					
C06/3100	6	4	3100	0,5-2	14	10/15	3500	835	520	250	1000	4830	2995	1975	200	10	6,7
C08/3100	8	5	3100	0,5-2,7	14	10/15	3500	900	615	250	1000	4830	3140	2150	275	15	7,5
C10/3100	10	6	3100	0,5-3	14	7/13	3600	880	620	250	1000	4950	3415	2415	295	22	10,5
C13/3100	13	8	3100	0,5-3	14	7/13	3600	900	620	250	1000	4970	3670	2505	295	22	12,8
C16/3100	16	10	3100	0,5-3	17	6/12	3670	995	705	250	1000	5060	3810	2680	340	30	16
C20/3100	20	13	3100	0,5-3	17	5/10	3705	995	720	250	1000	5115	3800	2680	510	37	22
C25/3100	25	17	3100	0,5-3	17	4/8	3760	995	720	250	1000	5150	3850	2730	510	45	24
C06/4000	6	4	4000	0,5-2	17	10/14	4460	860	650	250	1000	5790	3165	2210	200	10	10,7
C08/4000	8	5	4000	0,5-2,7	17	9/13	4460	880	650	250	1000	5800	3400	2350	200	15	14
C10/4000	10	6	4000	0,5-3	18	6/12	4460	880	650	250	1000	5790	3650	2580	300	22	16
C13/4000	13	8	4000	0,5-3	18	6/12	4460	900	700	250	1000	5860	3830	2675	300	22	18
C16/4000	16	10	4000	0,5-3	18	6/12	4580	1010	700	250	1000	5980	3750	2825	390	30	21,5
C20/4000	20	13	4000	0,5-3	18	5/10	4590	1025	720	250	1000	6000	3775	2830	510	37	27
C25/4000	25	17	4000	0,5-3	18	4/8	4600	1025	735	250	1000	6000	3875	2930	510	45	30
C06/6100	6	4	6100	0,5-3	26	9/13	6490	1050	735	250	1000	7900	3585	2885	300	11	22
C08/6100	8	5	6100	0,5-3	26	8/12	6500	1100	735	250	1000	7900	3685	2985	300	15	24
C10/6100	10	6	6100	0,5-3	26	5/12	6500	1135	735	250	1000	7960	3785	3085	300	22	27,8
C13/6100	13	8	6100	0,5-3	26	5/12	6500	1255	845	250	1000	7890	3910	3270	300	22	35
C16/6100	16	10	6100	0,5-3	26	5/9	6650	1270	920	250	1000	8060	3880	3290	430	30	40
C20/6100	20	13	6100	0,5-3	26	5/7	6650	1285	1100	250	1000	8060	4170	3305	535	37	50
C25/6100	25	17	6100	0,5-3	26	4/6	6670	1350	1100	250	1000	8150	4170	3450	600	45	58

\*Special Capacity machines can be manufactured upon request

\*\*Technical specifications may change without advance notice.

### REAR SAFETY LIGHT BARRIER



A Series

B Series

C Series

### LONGER FRONT SUPPORT ARMS



A Series

B Series

C Series

### PNEUMATIC REAR SHEET SUPPORT SYSTEM **TYPE A**



A Series

B Series

C Series

Supports the thin sheet while feeding it and prevents sheet hanging under the backgauge.

### PNEUMATIC REAR SHEET SUPPORT SYSTEM **TYPE B**



B Series

C Series

Supports the thin sheet while feeding & during the cutting process.

Per operator's selection can return the cut sheet back to him or can drop it to rear.

### CABIN COOLER AC COOLING SYSTEM



A Series

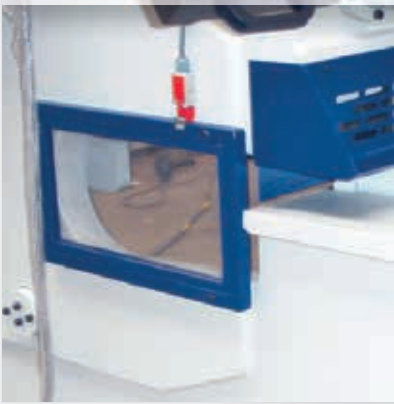
B Series

C Series



# OPTIONAL FEATURES

## 500 MM THROAT DEPTH



B Series

C Series

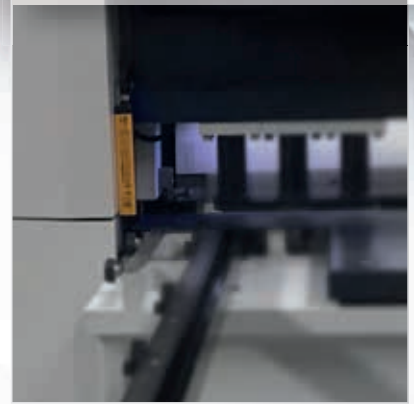
## FINGER GUARD SWING-UP FEATURE FULL LENGTH



B Series

C Series

## LIGHT CURTAINS FINGER PROTECTION



B Series

C Series

## AUTOMATIC BLADE GAP ADJUSTMENT SYSTEM



B Series

C Series

## ANGULAR GAUGE



A Series

B Series

C Series

## OIL COOLER AND HEATER



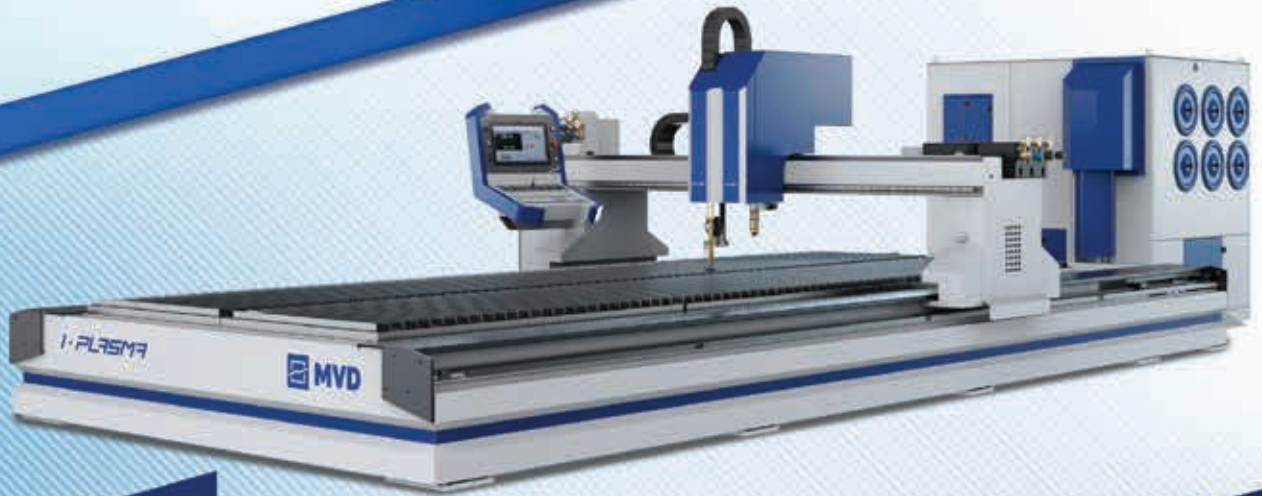
B Series

C Series





**iLaser**  
Fiber Laser



**iPlasma**  
Plasma-OXY Cutting



**iPunch**  
Turret Punch

[www.MVD.com.tr](http://www.MVD.com.tr)



# iBend

Press Brake



# iShear

Guillotine Shear

# iExpand

Expanded Metal Press







[www.mvd.com.tr](http://www.mvd.com.tr)



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