1950 MVD Produces its first machine

1971 The first sheet metal working machine “perforation press” was presented to the market.

1974 The production of “Heavy-duty Press Brakes and Guillotine Shears” started and MVD had the distinction of being the first Turkish manufacturer for heavy press brakes and shears.

1981 Moved to a new factory and added the production of 4 roll bending machines and Expanded Metal presses in the next years. Thus, a great variety of machines were presented in sheet metal working industry.

1994 MVD produced the first tandem press brake in Turkey.

1994 Finalized the CE conformity procedures and had its machines CE marked.

2001 CNC Hydraulic Turret Punch machine was presented to the market.

2003 Fiber Laser Cutting and Plasma cutting machines were presented to the market.

2003 Hybrid Press Brake manufacturing started

2003 Servo Press Brake manufacturing started

2018
VALUES

- Experience in machine manufacturing "Since 1950"
- High quality awareness
- After sale services assurance
- Corporate approach
- Dedication to customer satisfaction

VISION

Providing technological solutions to sheet metal industry through research & development activities and aim to become world’s leading brand by continuous growth.
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.
**GENERAL FEATURES**

A SERIES Guillotine Shears, suitable for cutting thin sheet material, up to thickness of 6 mm. Machine body and upper beam is made of steel constructions, has been designed according minimum stretch and optimum resistance criteria. Body is machined on the high precision CNC machining centers ensuring the maximum cutting quality and accuracy.

**Mechanical Guillotine Shears**

**ELGO P40T CNC CONTROL UNIT**

- 5.7” Touch Screen
- 1000 steps program memory
- Multi language support
- Sheet support control feature
- Material selection list: S355, S345, Stainless Steel, Aluminum
- Single set operation

**Standart Features**

1. ELGO P40T Touch screen NC Control Unit
2. Rigid welded monoblock frame provide maximum cutting accuracy,
3. NC or Manual controlled 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. Emergency stop button
10. Shadow illuminating cutting line
11. Front finger protection cover
12. Foot pedal
13. Rear safety cages

**Optional Features**

1. 1,000 mm back gauge travel
2. Rear Pneumatic Sheet support system
3. Rear Pneumatic Sheet support system (with front drop feature)
4. Angular gauge 0-180º
5. Longer front sheet supports & squaring arm
6. Rear light barrier with CE conformity
A Series

**A Series Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cutting Capacity (450mm/mm²)</th>
<th>Cutting Length</th>
<th>Cutting Angle</th>
<th>Cutting Speed Per Minute</th>
<th>Table Height</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Motor Power</th>
<th>Weight</th>
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</table>

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

*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 for thin sheets up to 50% faster cutting and efficiency achieved with double speed concept. 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 machine concepts. Unique construction feature has a fixed angle of cut.

Machine can be produce with automatical blade gap and stroke adjustment by CNC controller according to customer’s request.

Machine body and upper beam’s made of steel constructions has been designed according minimum stretch and optimum resistance criteria.

1000 mm back gauge travel (stroke), performed with linear ball shaft, without backlash guide.

Automatic swing-up feature of backgauge after 1000 mm to feed longer sheets easily with +/- 0.1 mm positioning accuracy and programmable retract features.

MORE CNC CONTROLLER RECOMMENDATIONS

- CYBELEC CybT 8 G
- ESA S625

Standart Features

- 5,7 inc Touch Screen
- ELGO P40T Touch screen NC Control Unit
- 250 mm Throat Depth
- Manual Blade Gap Adjustment System
- Swing Beam Hydraulic Guillotine Shears
- Standard

Optional Features

- Transfer table with roller balls
- 250 mm Throat Depth
- Swing Beam
- Manual Blade Gap Adjustment System
- Standard
- Transfer table with roller balls and 1 Meter opening finger protection cover
- Special designed covers with movable controller arm
- Rear Pneumatic Sheet support system (Type 1)
- Rear Pneumatic Sheet support system Return to sender (Type 2)
- Angular gauge 0-180°
- Longer front sheet supports & squaring arm
- Special throat depth 500 mm
- Full length opening front finger protection cover
- Laser guard for front finger protection
- Special alloy blades
- Laser marking line
- Oil cooler and oil heater
- Electrical cabin AC cooling unit
- Automatic or Manual central lubrication
- CNC controlled front sheet feeder arms
- Rear laser barrier with CE conformity
- Light type body cover (The image on next page)
# B-Series Technical Specifications

<table>
<thead>
<tr>
<th>B SERIES</th>
<th>B06/2000</th>
<th>B06/2600</th>
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</table>

*Optional Light type body cover

Image

*Special Capacity machines can be manufactured upon request

**Technical specifications may change without advance notice.
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 servo hydraulic valve.

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

Machine body and upper beam’s made of steel constructions, has been designed according minimum stretch and optimum resistance criteria.

The C series shears also can be manufactured with custom lengths and cutting thicknesses. Backgauge and sheet support arms are same as B series.

MORE CNC CONTROLLER RECOMMENDATIONS

- CYBELEC CybT8 PS
- ESA S625

Standart Features

1. ELGO P40T Touch screen NC Control Unit
2. Rexroth / Hoerbiger hydraulic system
3. CNC controlled Auto blade gap, stroke and blade 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. No greasing dry ball joint system (Design Protected)
13. Front support arms 1,000 mm, with ruler scale, T channel & flip stops
14. Front and side protective covers
15. Shadow illuminating cutting line
16. Emergency stop buttons
17. Front finger protection cover can open 1,000 mm swing-up
18. Foot pedal
19. Special designed covers with movable controller arm

Optional Features

1. Rear Pneumatic Sheet support system (Type 1)
2. Rear Pneumatic Sheet support system-Return to Sender (Type 2)
3. Angular gauge 0-180º
4. Longer front sheet supports & squaring arm
5. Special throat depth 500 mm
6. Full length opening front finger protection cover
7. Laser guard for front finger protection
8. Special alloy blades
9. Laser mark cutting line
10. Oil cooler and oil heater
11. Automatic or Manual central lubrication
12. Electrical cabin AC cooling unit
13. CNC controlled front sheet feeder arms
14. Rear laser barrier with CE conformity
15. Light type body cover (The image on next page *)
# C-Series Technical Specifications

| C Series | C06/3100 | C08/3100 | C10/3100 | C12/3100 | C16/3100 | C20/3100 | C25/3100 | C06/4000 | C08/4000 | C10/4000 | C12/4000 | C16/4000 | C20/4000 | C25/4000 | C06/6100 | C08/6100 | C10/6100 | C12/6100 | C16/6100 | C20/6100 | C25/6100 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| **Cutting Capacity (450mm/mm²)** | 6 | 8 | 10 | 13 | 16 | 20 | 25 | 6 | 8 | 10 | 13 | 16 | 20 | 25 | 6 | 8 | 10 | 13 | 16 | 20 | 25 |
| **Cutting Capacity (700mm/mm²)** | 4 | 5 | 6 | 8 | 10 | 13 | 17 | 4 | 5 | 6 | 8 | 10 | 13 | 17 | 4 | 5 | 6 | 8 | 10 | 13 | 17 |
| **Cutting Length** | A | 3100 | 3100 | 3100 | 3100 | 3100 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 6100 | 6100 | 6100 | 6100 | 6100 | 6100 | 6100 |
| **Cutting Angle** | 0.5-2 | 0.5-2.7 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-2 | 0.5-2 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 | 0.5-3 |
| **Hold Down Cylinders** | 14 | 14 | 14 | 14 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| **Distance Between Columns** | B | 3500 | 3500 | 3600 | 3600 | 3670 | 3705 | 3760 | 4460 | 4460 | 4460 | 4590 | 4600 | 6490 | 6500 | 6500 | 6500 | 6650 | 6650 | 6670 |
| **Table Height** | C | 815 | 900 | 880 | 900 | 995 | 995 | 995 | 860 | 880 | 880 | 900 | 1010 | 1025 | 1025 | 1050 | 1100 | 1135 | 1255 | 1270 | 1285 |
| **Table Width** | D | 520 | 615 | 620 | 620 | 705 | 720 | 720 | 650 | 650 | 650 | 700 | 700 | 720 | 735 | 735 | 735 | 845 | 920 | 1100 | 1100 |
| **Backgage Tavel - X Axis** | F | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| **Length** | G | 4830 | 4830 | 4950 | 4950 | 5060 | 5115 | 5150 | 5790 | 5790 | 5800 | 5860 | 5980 | 6000 | 7900 | 7900 | 7900 | 7790 | 7890 |
| **Height** | H | 1175 | 2150 | 2415 | 2595 | 2680 | 2680 | 2730 | 2210 | 2350 | 2580 | 2675 | 2825 | 2830 | 2895 | 2895 | 3085 | 3270 | 3290 | 3305 |
| **Width** | I | 3105 | 3415 | 3670 | 3810 | 3800 | 3850 | 3850 | 3900 | 3900 | 3900 | 3950 | 3975 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 |
| **Oil Tank** | J | 200 | 275 | 295 | 295 | 340 | 510 | 510 | 200 | 200 | 200 | 300 | 300 | 390 | 510 | 510 | 300 | 300 | 300 | 430 |
| **Motor Power** | K | 10 | 15 | 22 | 22 | 30 | 37 | 45 | 10 | 15 | 15 | 22 | 22 | 30 | 37 | 45 | 11 | 15 | 22 | 30 |
| **Weight** | L | 6.7 | 7.5 | 10.5 | 12.8 | 16 | 22 | 24 | 10.7 | 14 | 16 | 18 | 21.5 | 27 | 30 | 22 | 24 | 27.8 | 35 | 40 | 50 |

*Special Capacity machines can be manufactured upon request.
**Technical specifications may change without advance notice.

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**C Series**

- **Variable rake angle**
- **Hydraulic Guillotine Shears**

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*Optional Light cover body, view.

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C Series

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www.mvd.com.tr
Supports the thin sheet while feeding it and prevents sheet hanging under the backgauge.

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.