

iBend
PRESS BRAKE





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

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.



2001

Finalised the CE conformity procedures and had its machines CE marked.



2003

CNC Hydraulic Turret Punch machine was presented to the market.



2011

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



2015

Hybrid Press Brake manufacturing started



2018

Servo Press Brake manufacturing started



Shaping the Future



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.



iBend PRESS BRAKE

iBend

HYDRAULIC PRESS BRAKE

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



MVD

A Series

Y1

Y2

**ESA S530
CNC Control Unit**
7" Color
2D Graphic Screen

MORE CNC CONTROLLER RECOMMENDATIONS

• ESA S630



10" Touch
2D Graphic Screen
With Offline PC Software

- **ESA 640** - 15", 2D
- **ESA 650** - 15", 2D

• DELEM DA-53T



10" Touch
2D Numerical Screen
With Offline PC Software

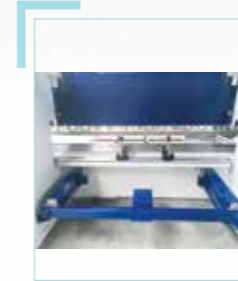
- **DELEM DA-58T** - 15", 2D
- **DELEM DA-66T** - 17", 2D

• CYBELEC CybT8 PS



7" Touch
2D Graphic Screen
With Offline PC Software

- **CYBELEC CybT12** - 12", 2D
- **CYBELEC CybT15** - 15", 2D



Standard

X axis back gauge



Standard

Magnetic linear scales
(0,005mm precision)



Standard

Manual Promecam
Punch tool holder

Standard Features

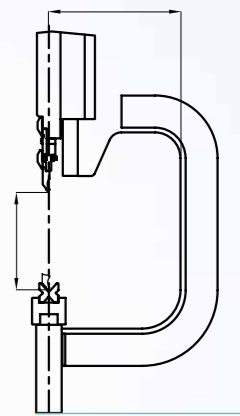
1. Y1,Y2,X CNC 3 Axes
2. 210mm Stroke, 410mm Throat Depth
3. ESA S530 CNC Control Unit
4. $\pm 0,03$ accuracy A/C motorized with inverter, back gauge.
5. Manual Promecam punch tool holder
6. MVD special narrow bottom table (European type)
7. Standard punch tools (H: 67, 85°, R:08)
8. Standard die tools (60x60mm, 4 Vee V=16-22-35-50mm, 85°, H:60)
9. High quality and precision linear scales
10. LED illumination on RAM

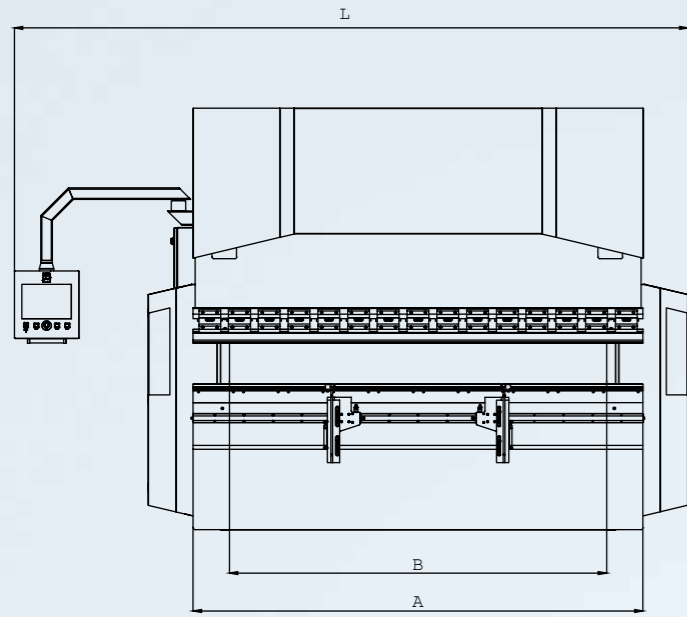
Optional Features

1. R axis back gauge
2. Sliding front sheet support arms
3. Wide bottom table for Multi Vee dies.
4. Anti-deflection crowning with original Wila wedges
5. AKAS or DSP front laser safety systems
6. Additional back gauge fingers
7. Front laser safety

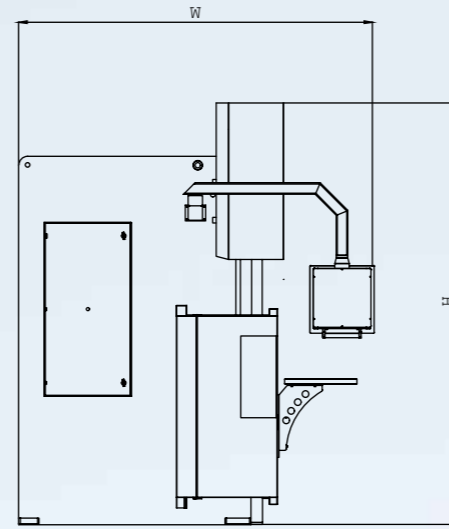
**Throat
410 mm**

**Stroke
210 mm**

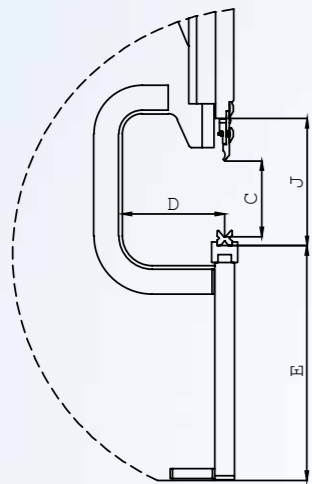




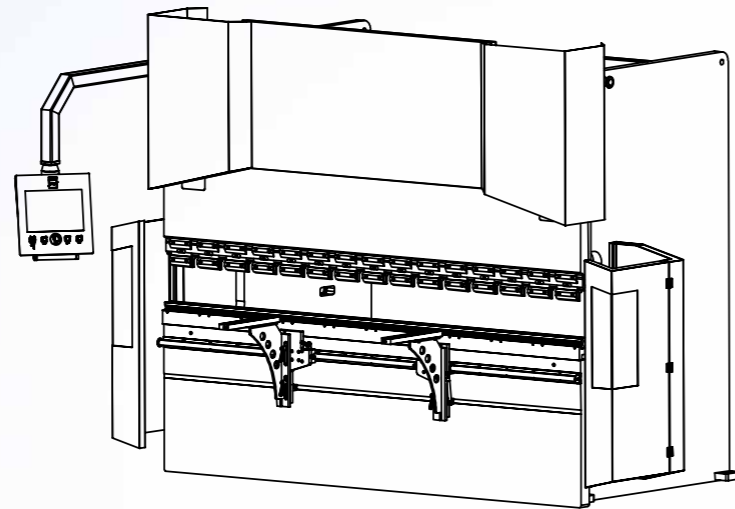
Front view



Side view



Work zone detail



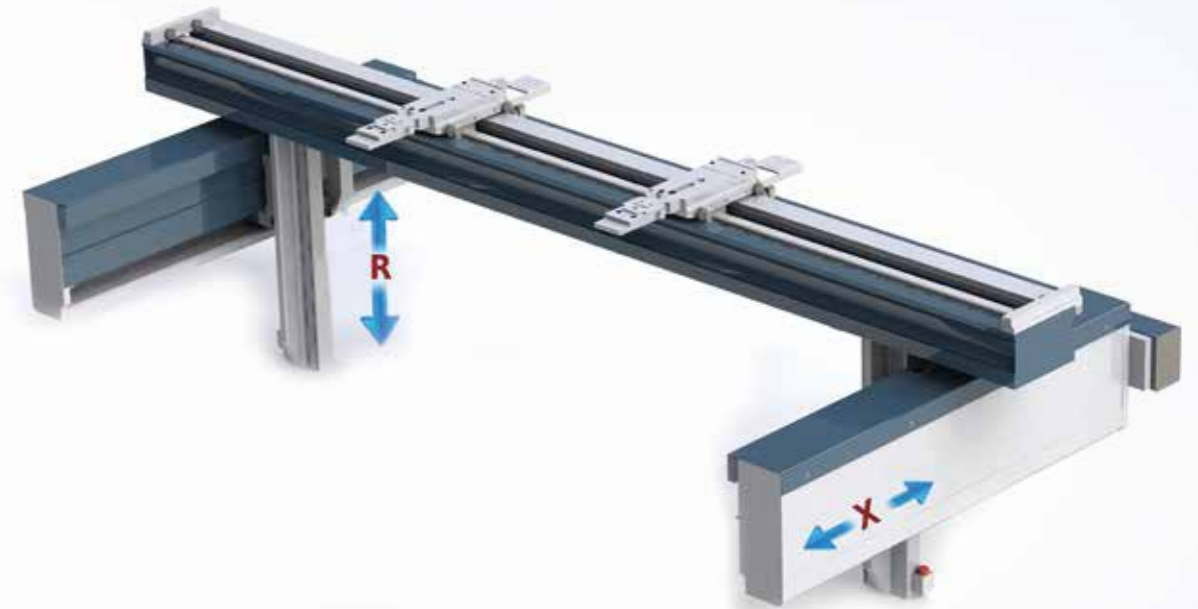
Perspective view

A-Series - Technical Specifications

| A Bending Force | Bending Length | Distance between columns | Stroke | Daylight | Throat | Table Height | Machine Dimensions | | | Speed | | | Oil tank | Weight | Main motor |
|-----------------|----------------|--------------------------|--------|----------|--------|--------------|-------------------------------------|------|------|----------------|--------------|---------------|----------|--------|------------|
| | A | B | C | J | D | E | Length x Width x Height (L x W x H) | | | Approach Speed | Return Speed | Bending Speed | Lt | kg | kW |
| | mm | mm | mm | mm | mm | mm | mm | | | mm/s | mm/s | mm/s | Lt | kg | kW |
| A40 | 1250 | 1100 | 210 | 465 | 410 | 885 | 3060 | 2195 | 2730 | 150 | 120 | 10 | 95 | 3400 | 4 |
| | 2100 | 1600 | 210 | 465 | 410 | 870 | 3660 | 2175 | 2820 | 160 | 135 | 10 | 170 | 4290 | 5,5 |
| A60 | 2600 | 2150 | 210 | 465 | 410 | 870 | 4210 | 2175 | 2820 | 160 | 135 | 10 | 170 | 4790 | 5,5 |
| | 2600 | 2150 | 210 | 465 | 410 | 905 | 4220 | 2230 | 2855 | 200 | 135 | 10 | 170 | 6150 | 7,5 |
| A100 | 3100 | 2600 | 210 | 465 | 410 | 905 | 4670 | 2230 | 2855 | 200 | 135 | 10 | 180 | 6650 | 7,5 |
| | 3100 | 2600 | 210 | 465 | 410 | 905 | 4690 | 2340 | 2795 | 210 | 130 | 10 | 180 | 7200 | 11 |
| A135 | 3700 | 3200 | 210 | 465 | 410 | 905 | 5290 | 2340 | 2850 | 210 | 130 | 10 | 180 | 9200 | 11 |
| | 4100 | 3600 | 210 | 465 | 410 | 905 | 5590 | 2440 | 2950 | 210 | 130 | 10 | 180 | 9750 | 11 |
| A175 | 3100 | 2600 | 210 | 465 | 410 | 945 | 4705 | 2430 | 2840 | 180 | 130 | 10 | 180 | 8400 | 15 |
| | 3700 | 3200 | 210 | 465 | 410 | 945 | 5305 | 2430 | 2840 | 180 | 130 | 10 | 180 | 9800 | 15 |
| A220 | 4100 | 3600 | 210 | 465 | 410 | 945 | 5600 | 2530 | 2950 | 180 | 130 | 10 | 180 | 10250 | 15 |
| | 3100 | 2600 | 210 | 465 | 410 | 880 | 4720 | 2415 | 2805 | 180 | 140 | 10 | 290 | 10000 | 18,5 |
| A220 | 3700 | 3200 | 210 | 465 | 410 | 930 | 5320 | 2415 | 2805 | 180 | 140 | 10 | 290 | 11400 | 18,5 |
| | 4100 | 3600 | 210 | 465 | 410 | 930 | 5620 | 2515 | 2905 | 180 | 140 | 10 | 290 | 11800 | 18,5 |

*For dimension details please look at left page.

**Technical specifications may change without advance notice.



B Series



Standard Features

1. Y1,Y2,X CNC 3 Axes
2. 260mm Stroke, 410mm Throat Depth
3. ESA S630 CNC Control Unit
4. $\pm 0,03$ accuracy **SERVO** motorized back gauge X=750mm
5. Quick clamp Promecam punch tool holder
6. Sliding front sheet support arms
7. MVD special narrow bottom table (European type)
8. GIVI optic linear scales
9. Standard punch tools (H: 67, 85°, R:08)
10. Standard die tools (60x60mm, 4 Vee V=16-22-35-50mm, 85°, H:60)
11. LED illumination on RAM

Optional Features

1. X to 2-4-6-8 axis back gauge options
2. Wide bottom table for Multi Vee dies.
3. Anti-deflection crowning with original Wila wedges
4. AKAS or DSP front laser safety systems
5. Additional back gauge fingers
6. Front laser safety

**ESA S630
CNC Control Unit**
10" Touch
2D Graphic Screen

MORE CNC CONTROLLER RECOMMENDATIONS

• ESA S640



15" Touch
2D Graphic Screen
With Offline PC
Software

- **ESA 650** - 15", 2D
- **ESA 660W** - 19", 3D *.dxf

• DELEM DA-58T



15" Multi Touch Color
2D Graphic Screen
With Offline PC
Software

- **DELEM DA-53T**- 10", numeric
- **DELEM DA-66T**- 17", 2D

• CYBELEC CybT12 PS



12" Touch
2D Graphic Screen
With Offline PC
Software

- **CYBELEC CybT8**- 7", 2D
- **CYBELEC CybT15**- 15", 2D



Standard

Front sheet support arms



Standard

Optic linear scales
(0,005mm precision)

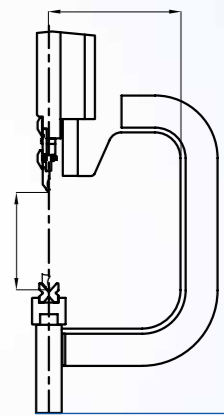


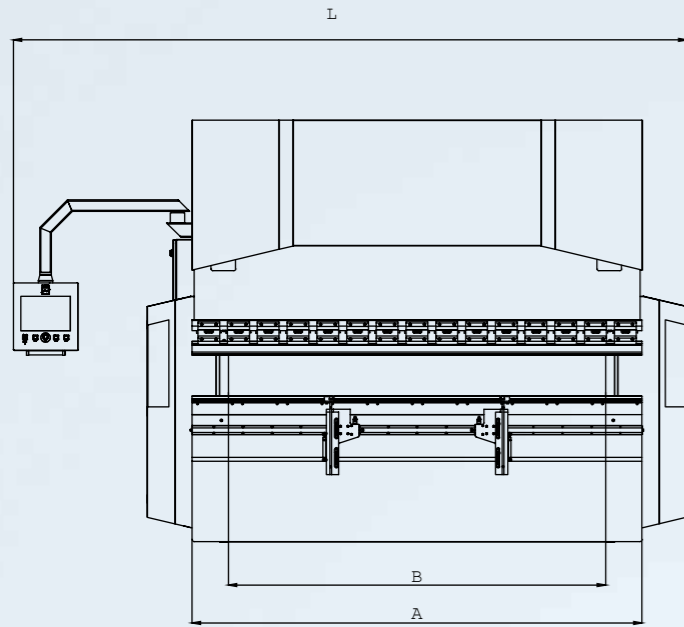
Standard

Quick clamp Promecam
Punch tool holder

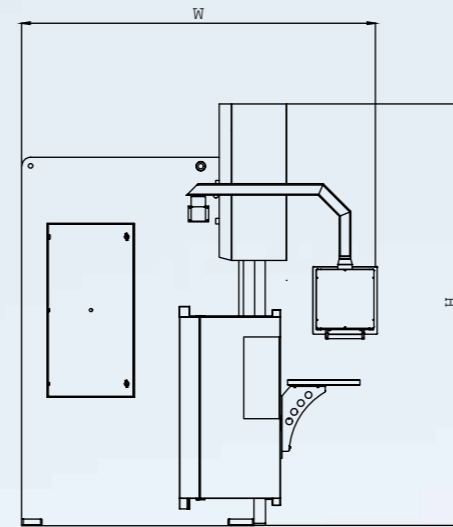
**Throat
410 mm**

**Stroke
260 mm**

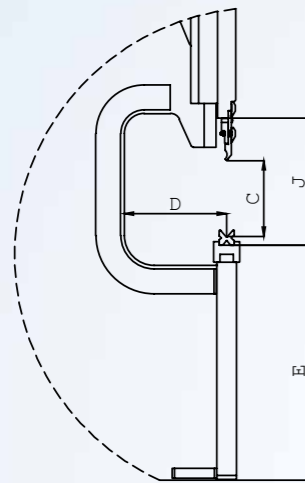




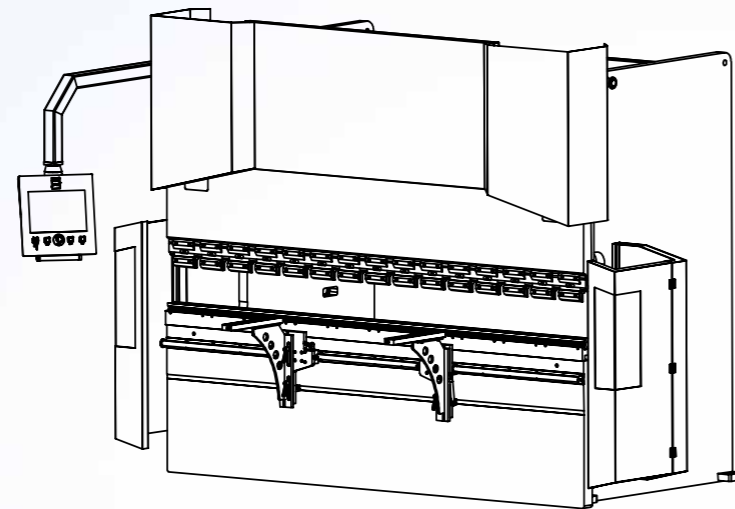
Front view



Side view



Work zone detail



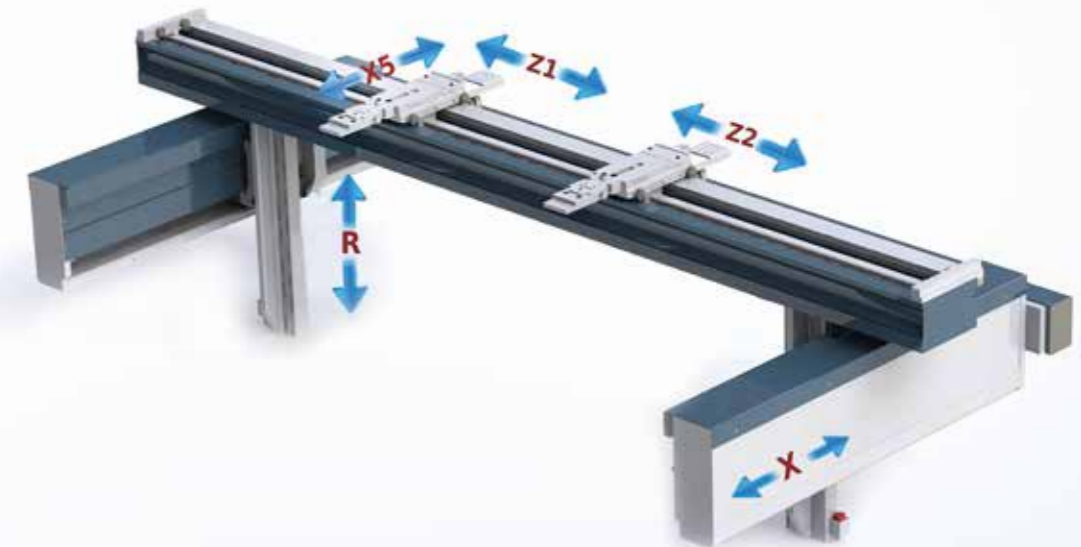
Perspective view

B-Series - Technical Specifications

| B Bending Force | Bend- ing Length | Distance between columns | Stroke | Daylight | Throat | Table Height | Machine Dimensions | | | Speed | | | Oil tank | Weight | Main motor |
|-----------------|------------------|--------------------------|--------|----------|--------|--------------|-------------------------------------|------|------|------------------|--------------|---------------|----------|--------|------------|
| | A | B | C | J | D | E | Length x Width x Height (L x W x H) | | | Ap- proach Speed | Return Speed | Bending Speed | Lt | kg | kW |
| | mm | mm | mm | mm | mm | mm | mm | | | mm/s | mm/s | mm/s | | | |
| B40 | 1250 | 1100 | 260 | 465 | 410 | 880 | 3060 | 2080 | 2820 | 150 | 120 | 10 | 95 | 3500 | 4 |
| | 2100 | 1600 | 260 | 465 | 410 | 870 | 3660 | 2175 | 2905 | 160 | 135 | 10 | 170 | 4560 | 5,5 |
| B60 | 2600 | 2150 | 260 | 465 | 410 | 890 | 4210 | 2175 | 2905 | 160 | 135 | 10 | 170 | 5010 | 5,5 |
| | 3100 | 2600 | 260 | 465 | 410 | 905 | 4670 | 2230 | 2950 | 200 | 135 | 10 | 180 | 6780 | 7,5 |
| B100 | 2600 | 2150 | 260 | 465 | 410 | 885 | 4220 | 2230 | 2950 | 200 | 135 | 10 | 170 | 6430 | 7,5 |
| | 3100 | 2600 | 260 | 465 | 410 | 940 | 4690 | 2340 | 2980 | 210 | 130 | 10 | 180 | 7750 | 11 |
| B135 | 3700 | 3200 | 260 | 465 | 410 | 955 | 5290 | 2340 | 2995 | 210 | 130 | 10 | 180 | 9400 | 11 |
| | 4100 | 3600 | 260 | 465 | 410 | 955 | 5590 | 2440 | 2990 | 210 | 130 | 10 | 180 | 10000 | 11 |
| B175 | 3100 | 2600 | 260 | 465 | 410 | 955 | 4700 | 2430 | 2975 | 180 | 130 | 10 | 180 | 8850 | 15 |
| | 3700 | 3200 | 260 | 465 | 410 | 955 | 5300 | 2430 | 2990 | 180 | 130 | 10 | 180 | 10500 | 15 |
| B220 | 4100 | 3600 | 260 | 465 | 410 | 955 | 5600 | 2530 | 2980 | 180 | 130 | 10 | 180 | 11050 | 15 |
| | 3100 | 2600 | 260 | 465 | 410 | 955 | 4720 | 2430 | 2998 | 180 | 140 | 10 | 290 | 10400 | 18,5 |
| B270 | 3700 | 3200 | 260 | 465 | 410 | 970 | 5320 | 2430 | 3045 | 180 | 140 | 10 | 290 | 11950 | 18,5 |
| | 4100 | 3600 | 260 | 465 | 410 | 970 | 5620 | 2530 | 3035 | 180 | 140 | 10 | 290 | 12750 | 18,5 |
| B320 | 3100 | 2600 | 260 | 465 | 410 | 960 | 4840 | 2500 | 3040 | 150 | 120 | 10 | 290 | 12300 | 22 |
| | 3700 | 3200 | 260 | 465 | 410 | 960 | 5440 | 2500 | 3040 | 150 | 120 | 10 | 290 | 13500 | 22 |
| B320 | 4100 | 3600 | 260 | 465 | 410 | 960 | 5640 | 2500 | 3040 | 150 | 120 | 10 | 290 | 14300 | 22 |
| | 3100 | 2600 | 260 | 485 | 410 | 955 | 4860 | 2490 | 3080 | 150 | 110 | 10 | 290 | 13700 | 22 |
| | 3700 | 3200 | 260 | 485 | 410 | 955 | 5460 | 2490 | 3085 | 150 | 110 | 10 | 290 | 14500 | 22 |
| | 4100 | 3600 | 260 | 485 | 410 | 955 | 5660 | 2490 | 3085 | 150 | 110 | 10 | 290 | 15300 | 22 |
| B320 | 5100 | 4200 | 260 | 485 | 410 | 1030 | 6660 | 2570 | 3210 | 150 | 110 | 10 | 290 | 20500 | 22 |
| | 6100 | 5100 | 260 | 485 | 410 | 1060 | 7560 | 2570 | 3440 | 150 | 110 | 10 | 290 | 25000 | 22 |

*For dimension details please look at left page.

**Technical specifications may change without advance notice.



C Series



**ESA S640
CNC Control Unit**

15" Touch
2D Graphic Screen



Standard Features

1. Y1,Y2,X,R CNC 4 Axes
2. 310mm Stroke, 410mm Throat Depth
3. ESA S640 CNC Control Unit
4. $\pm 0,03$ accuracy SERVO motorized back gauge. X=750mm, R=250mm
5. Quick clamp Promecam punch tool holder
6. Sliding front sheet support arms
7. Manuel Anti-deflection crowning with original Wila wedges.
8. MVD special narrow bottom table (European type)
9. GIVI optic linear scales
10. Standard punch tools (H: 67, 85°, R:08)
11. Standard die tools (60x60mm, 4 Vee V=16-22-35-50mm, 85°, H:60)
12. LED illumination on RAM

Optional Features

1. X+R to 4-6-8 axis back gauge options
2. Rolleri Rol200 hydraulic punch clamping
3. Wila hydraulic punch clamping
4. Wide bottom table for Multi Vee dies.
5. Motorized Anti-deflection crowning with original Wila wedges
6. 1.000mm X axis travel
7. AKAS or DSP front laser safety systems
8. Additional back gauge fingers
9. Front laser safety

MORE CNC CONTROLLER RECOMMENDATIONS

• ESA S650



15" Touch
2D Graphic Screen
With Offline PC
Software

• ESA 660W - 19" , 3D *.dxf

• DELEM DA-66T



17" Multi Touch Color
2D Graphic Screen
With Offline PC
Software

• DELEM DA-69T- 17" , 3D*.dxf

• CYBELEC CybT15PS



15" Touch
2D Graphic Screen
With Offline PC
Software

• CYBELEC CybT12- 12" , 2D



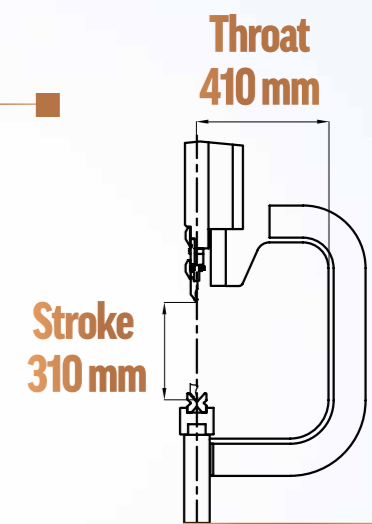
Standard

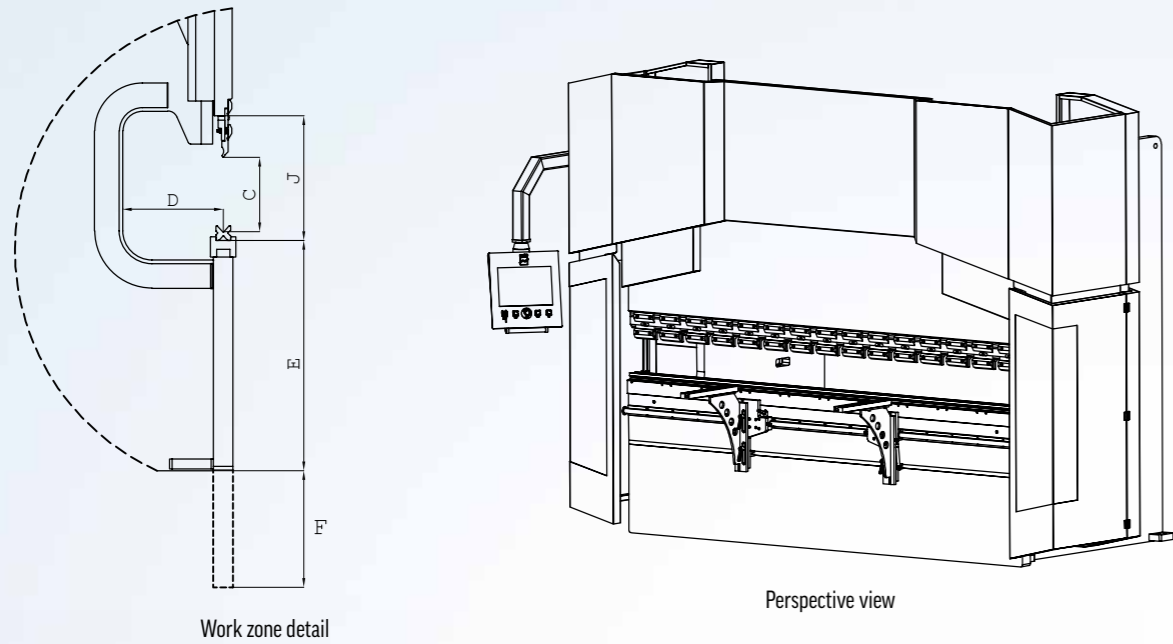
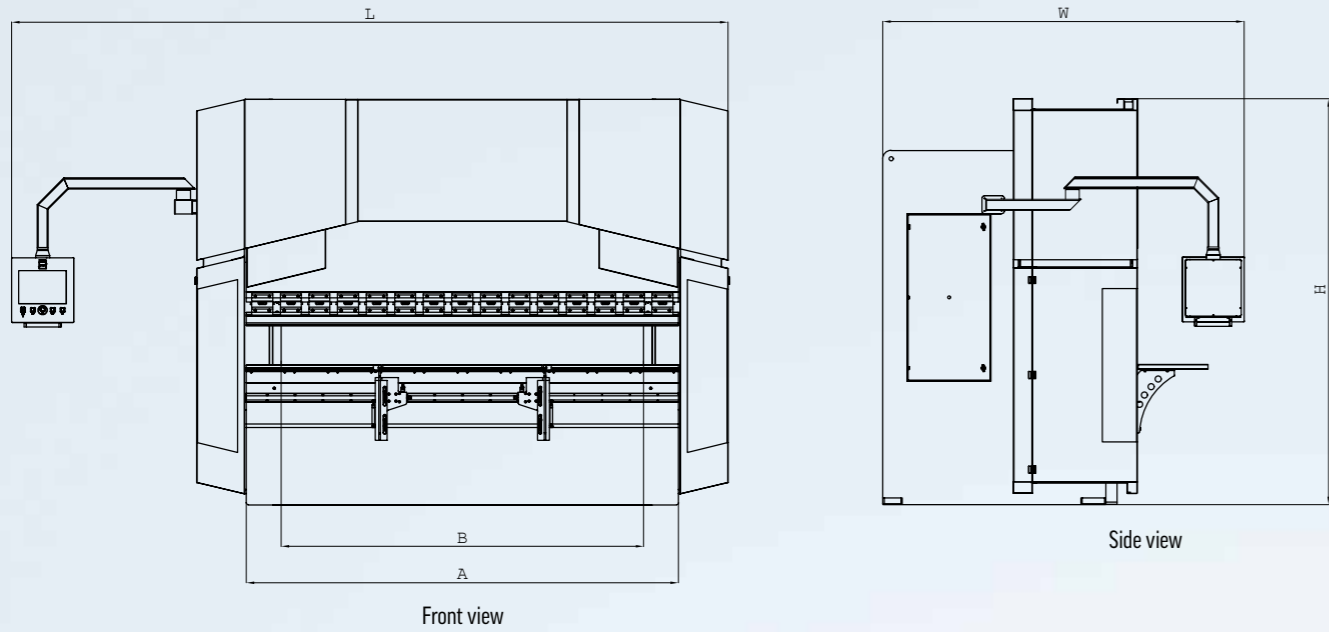
X+R Axes Back Gauge



Standard

Manual Crowning
(Original WILA Wedges)





C-Series - Technical Specifications

| C Bending Force | Bending Length | Distance between columns | Stroke | Daylight | Throat | Table Height | Machine Dimensions | | | Speed | | | Oil tank | Weight | Main motor |
|-----------------|----------------|--------------------------|--------|----------|--------|--------------|-------------------------------------|------|------|----------------|--------------|---------------|----------|--------|------------|
| | A | B | C | J | D | E | Length x Width x Height (L x W x H) | | | Approach Speed | Return Speed | Bending Speed | Lt | kg | kW |
| | mm | mm | mm | mm | mm | mm | mm | | | mm/s | mm/s | mm/s | | | |
| C100 | 2600 | 2150 | 310 | 515 | 410 | 890 | 4220 | 2230 | 2950 | 200 | 135 | 10 | 180 | 6950 | 7,5 |
| | 3100 | 2600 | 310 | 515 | 410 | 905 | 4670 | 2230 | 2950 | 200 | 135 | 10 | 180 | 7300 | 7,5 |
| C135 | 3100 | 2600 | 310 | 515 | 410 | 935 | 5150 | 2650 | 2950 | 210 | 130 | 10 | 180 | 8350 | 11 |
| | 3700 | 3200 | 310 | 515 | 410 | 945 | 5750 | 2650 | 2950 | 210 | 130 | 10 | 180 | 10000 | 11 |
| C175 | 4100 | 3600 | 310 | 515 | 410 | 945 | 6150 | 2650 | 2995 | 210 | 130 | 10 | 180 | 10600 | 11 |
| | 3100 | 2600 | 310 | 515 | 410 | 935 | 5150 | 2650 | 2950 | 180 | 130 | 10 | 180 | 9700 | 15 |
| C220 | 3700 | 3200 | 310 | 515 | 410 | 945 | 5750 | 2650 | 2950 | 180 | 130 | 10 | 180 | 11350 | 15 |
| | 4100 | 3600 | 310 | 515 | 410 | 945 | 6150 | 2650 | 2995 | 180 | 130 | 10 | 180 | 11900 | 15 |
| C270 | 3100 | 2600 | 310 | 515 | 410 | 940 | 5180 | 2650 | 2950 | 180 | 140 | 10 | 290 | 11300 | 18,5 |
| | 3700 | 3200 | 310 | 515 | 410 | 965 | 5780 | 2650 | 3040 | 180 | 140 | 10 | 290 | 12850 | 18,5 |
| | 4100 | 3600 | 310 | 515 | 410 | 965 | 6180 | 2650 | 3040 | 180 | 140 | 10 | 290 | 13650 | 18,5 |
| | 5100 | 4200 | 310 | 515 | 410 | 995 | 7180 | 2650 | 3090 | 180 | 140 | 10 | 290 | 17000 | 18,5 |
| C320 | 6100 | 5100 | 310 | 515 | 410 | 995 | 8180 | 2650 | 3090 | 180 | 140 | 10 | 290 | 21700 | 18,5 |
| | 3100 | 2600 | 310 | 515 | 410 | 950 | 5200 | 2650 | 3040 | 150 | 120 | 10 | 290 | 13300 | 22 |
| | 3700 | 3200 | 310 | 515 | 410 | 955 | 5800 | 2650 | 3040 | 150 | 120 | 10 | 290 | 14500 | 22 |
| | 4100 | 3600 | 310 | 515 | 410 | 955 | 6200 | 2650 | 3040 | 150 | 120 | 10 | 290 | 15300 | 22 |
| C400 | 3100 | 2600 | 310 | 535 | 410 | 955 | 5300 | 2655 | 3070 | 150 | 110 | 10 | 290 | 14700 | 22 |
| | 3700 | 3200 | 310 | 535 | 410 | 955 | 5750 | 2655 | 3080 | 150 | 110 | 10 | 290 | 15500 | 22 |
| | 4100 | 3600 | 310 | 535 | 410 | 955 | 6150 | 2655 | 3130 | 150 | 110 | 10 | 290 | 16800 | 22 |
| | 5100 | 4200 | 310 | 535 | 410 | 1045 | 7150 | 2655 | 3140 | 150 | 110 | 10 | 290 | 21500 | 22 |
| C500 | 6100 | 5100 | 310 | 535 | 410 | 1065 | 8150 | 2655 | 3170 | 150 | 110 | 10 | 290 | 26000 | 22 |
| | 3100 | 2600 | 310 | 535 | 410 | 1015 | 5150 | 2685 | 3400 | 100 | 80 | 8 | 400 | 18700 | 30 |
| | 3700 | 3200 | 310 | 535 | 410 | 975 | 5750 | 2685 | 3400 | 100 | 80 | 8 | 400 | 20700 | 30 |
| | 4100 | 3600 | 310 | 535 | 410 | 985 | 6150 | 2700 | 3400 | 100 | 80 | 8 | 400 | 22500 | 30 |
| C500 | 5100 | 4200 | 310 | 535 | 410 | 980 | 7150 | 2700 | 3400 | 100 | 80 | 8 | 400 | 25500 | 30 |
| | 6100 | 5100 | 310 | 535 | 410 | 1055 | 8150 | 2700 | 3600 | 100 | 80 | 8 | 400 | 33000 | 30 |
| | 8100 | 7100 | 310 | 535 | 410 | 815 | 10150 | 2785 | 3750 | 100 | 80 | 8 | 400 | 45000 | 30 |
| | 3700 | 3200 | 310 | 535 | 410 | 1035 | 5750 | 2735 | 3400 | 80 | 70 | 8 | 500 | 24100 | 37 |
| C500 | 4100 | 3600 | 310 | 535 | 410 | 1025 | 6150 | 2740 | 3400 | 80 | 70 | 8 | 500 | 26300 | 37 |
| | 5100 | 4200 | 310 | 535 | 410 | 1055 | 7150 | 2750 | 3650 | 80 | 70 | 8 | 500 | 30000 | 37 |
| | 6100 | 5100 | 310 | 535 | 410 | 965 | 8200 | 2750 | 3900 | 80 | 70 | 8 | 500 | 39500 | 37 |
| C500 | 8100 | 7100 | 310 | 535 | 410 | 750 | 10200 | 2750 | 4000 | 80 | 70 | 8 | 500 | 55500 | 37 |

*For dimension details please look at left page.

**Technical specifications may change without advance notice.

D Series



**ESA S650
CNC Control Unit**

15" Color Touch
2D Graphic Screen
With Offline PC Software



Standard Features

1. Y1,Y2,X,R CNC 4 Axes (X + R Servo)
2. 410mm Stroke, 510mm Throat Depth
3. ESA S650 CNC Control Unit
4. $\pm 0,03$ accuracy SERVO motorized back gauge. X=750mm, R=250mm
5. Quick clamp Promecam punch tool holder
6. Sliding front sheet support arms with hand Wheel
7. Motorized Anti-deflection crowning with original Wila wedges.
8. MVD special narrow bottom table (European type)
9. GIVI optic linear scales
10. Standard punch tools (H: 67, 85°, R:08)
11. Standard die tools (60x60mm, 4 Vee V=16-22-35-50mm, 85°, H:60)
12. LED illumination on RAM

Optional Features

1. X + R to 4-6-8 axis back gauge options
2. Rolleri Rol200 hydraulic punch clamping
3. Wila hydraulic punch clamping
4. Wide bottom table for Multi Vee dies.
5. 1.000mm X axis travel
6. AKAS or DSP front laser safety systems
7. Additional back gauge fingers
8. Front laser safety

MORE CNC CONTROLLER RECOMMENDATIONS

• ESA S660W



19" Touch
3D Graphic Screen
*.dxf import/export
With Offline PC Software

DELEM DA-69T



17" Multi Touch
3D Graphic Screen
*.dxf import/export
With 3D Offline PC Software

CYBELEC Visitouch 19MX



19" Touch
3D Graphic Screen
*.dxf import/export
With Offline PC Software

• ESA S675W - 21", 3D *.dxf

DELEM DA-58T-15" 2D DELEM DA-66T-17" 2D

CYBELEC Cybt15PS-15" 2D



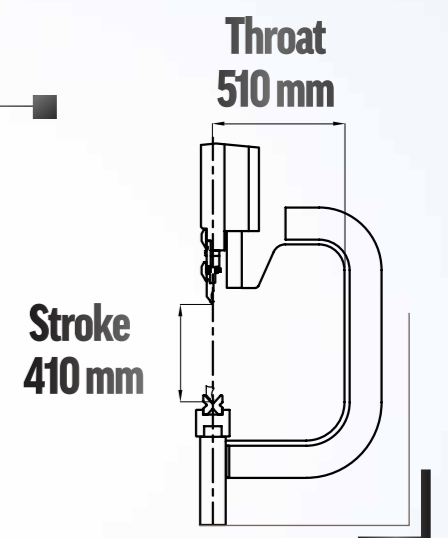
Standard

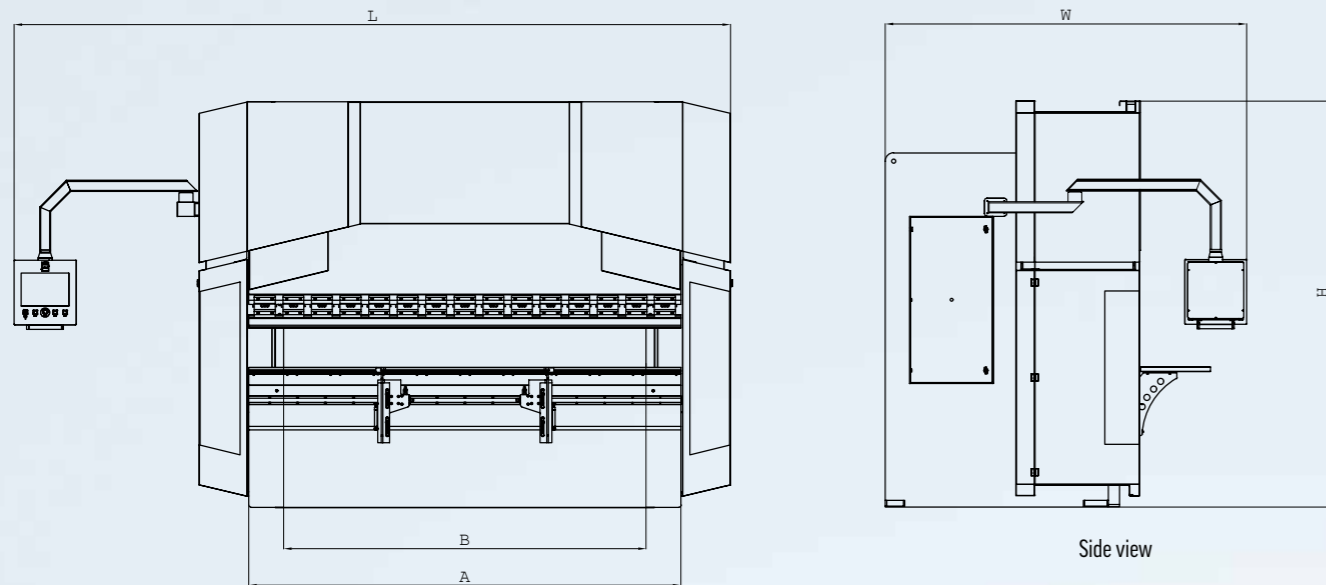
Motorized Crowning
(Original Wila wedges)



Standard

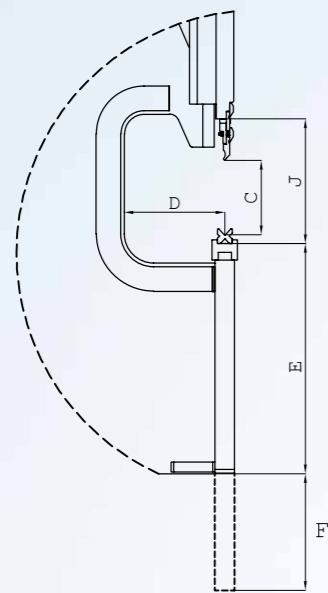
Sliding front support arms
With hand wheel adjustment



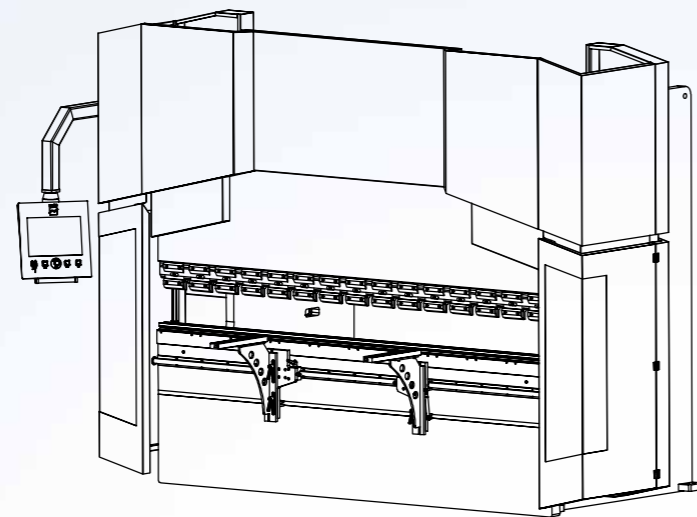


Front view

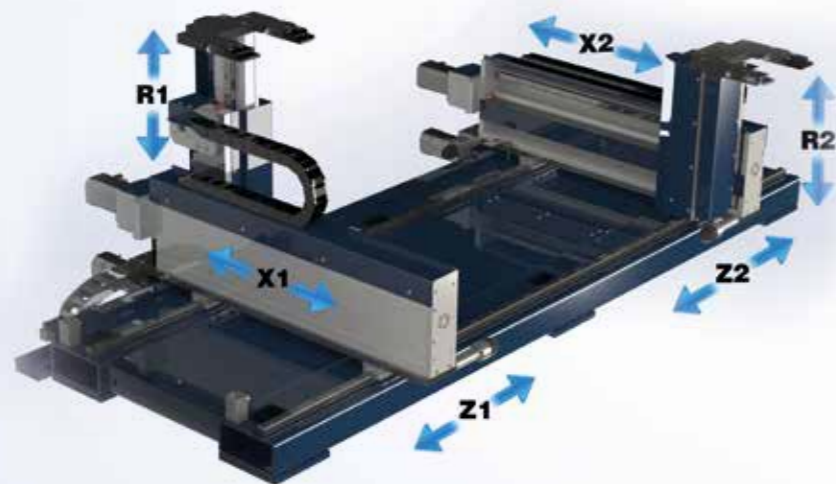
Side view



Work zone detail



Perspective view



D-Series - Technical Specifications

| D Bending Force | Bending Length | Distance between columns | | Stroke | Daylight | Throat | Table Height | Machine Dimensions | | | Speed | | | Oil tank | Weight | Main motor |
|-----------------|----------------|--------------------------|-----|--------|----------|--------|-------------------------------------|--------------------|------|----------------|--------------|---------------|------|----------|--------|------------|
| | A | B | C | J | D | E | Length x Width x Height (L x W x H) | | | Approach Speed | Return Speed | Bending Speed | Lt | kg | kW | |
| | mm | mm | mm | mm | mm | mm | mm | | | mm/s | mm/s | mm/s | | | | |
| D100 | 2600 | 2150 | 410 | 615 | 510 | 890 | 4220 | 2230 | 3050 | 200 | 135 | 10 | 180 | 7150 | 7,5 | |
| | 3100 | 2600 | 410 | 615 | 510 | 905 | 4670 | 2230 | 3050 | 200 | 135 | 10 | 180 | 7500 | 7,5 | |
| D135 | 3100 | 2600 | 410 | 615 | 510 | 935 | 5300 | 2815 | 3100 | 210 | 130 | 10 | 180 | 8950 | 11 | |
| | 3700 | 3200 | 410 | 615 | 510 | 945 | 5900 | 2815 | 3100 | 210 | 130 | 10 | 180 | 10600 | 11 | |
| D175 | 3100 | 2600 | 410 | 615 | 510 | 935 | 5300 | 2775 | 3155 | 180 | 130 | 10 | 180 | 10300 | 15 | |
| | 3700 | 3200 | 410 | 615 | 510 | 945 | 5900 | 2775 | 3155 | 180 | 130 | 10 | 180 | 11950 | 15 | |
| D220 | 4100 | 3600 | 410 | 615 | 510 | 945 | 6300 | 2775 | 3155 | 180 | 130 | 10 | 180 | 12650 | 15 | |
| | 3100 | 2600 | 410 | 615 | 510 | 965 | 5300 | 2795 | 3250 | 180 | 140 | 10 | 290 | 12050 | 18,5 | |
| | 3700 | 3200 | 410 | 615 | 510 | 965 | 5900 | 2795 | 3250 | 180 | 140 | 10 | 290 | 13600 | 18,5 | |
| | 4100 | 3600 | 410 | 615 | 510 | 965 | 6300 | 2795 | 3250 | 180 | 140 | 10 | 290 | 14600 | 18,5 | |
| D270 | 5100 | 4200 | 410 | 615 | 510 | 995 | 7300 | 2795 | 3300 | 180 | 140 | 10 | 290 | 17600 | 18,5 | |
| | 3100 | 2600 | 410 | 615 | 510 | 950 | 5300 | 2765 | 3250 | 150 | 120 | 10 | 290 | 14150 | 22 | |
| | 3700 | 3200 | 410 | 615 | 510 | 955 | 5900 | 2765 | 3250 | 150 | 120 | 10 | 290 | 15350 | 22 | |
| | 4100 | 3600 | 410 | 615 | 510 | 955 | 6300 | 2765 | 3250 | 150 | 120 | 10 | 290 | 16350 | 22 | |
| D320 | 3100 | 2600 | 410 | 635 | 510 | 960 | 5300 | 2755 | 3250 | 150 | 110 | 10 | 290 | 15800 | 22 | |
| | 3700 | 3200 | 410 | 635 | 510 | 960 | 5900 | 2755 | 3250 | 150 | 110 | 10 | 290 | 16600 | 22 | |
| | 4100 | 3600 | 410 | 635 | 510 | 1010 | 6300 | 2765 | 3350 | 150 | 110 | 10 | 290 | 17900 | 22 | |
| | 5100 | 4200 | 410 | 635 | 510 | 1025 | 7300 | 2785 | 3350 | 150 | 110 | 10 | 290 | 22600 | 22 | |
| D400 | 6100 | 5100 | 410 | 635 | 510 | 1055 | 8300 | 2785 | 3350 | 150 | 110 | 10 | 290 | 27100 | 22 | |
| | 3100 | 2600 | 410 | 635 | 510 | 1015 | 5300 | 2775 | 3600 | 100 | 80 | 8 | 400 | 19800 | 30 | |
| | 3700 | 3200 | 410 | 635 | 510 | 975 | 5900 | 2775 | 3600 | 100 | 80 | 8 | 400 | 22000 | 30 | |
| | 4100 | 3600 | 410 | 635 | 510 | 975 | 6300 | 2790 | 3600 | 100 | 80 | 8 | 400 | 23850 | 30 | |
| D500 | 5100 | 4200 | 410 | 635 | 510 | 975 | 7300 | 2790 | 3600 | 100 | 80 | 8 | 400 | 26650 | 30 | |
| | 6100 | 5100 | 410 | 635 | 510 | 1055 | 8300 | 2790 | 3730 | 100 | 80 | 8 | 400 | 34000 | 30 | |
| | 8100 | 7100 | 410 | 635 | 510 | 815 | 10150 | 2790 | 3750 | 100 | 80 | 8 | 400 | 46000 | 30 | |
| | 3700 | 3200 | 410 | 635 | 510 | 1025 | 5900 | 2730 | 3625 | 80 | 70 | 8 | 500 | 25500 | 37 | |
| D600 | 4100 | 3600 | 410 | 635 | 510 | 1025 | 6300 | 2740 | 3625 | 80 | 70 | 8 | 500 | 27950 | 37 | |
| | 5100 | 4200 | 410 | 635 | 510 | 1055 | 7300 | 2755 | 3650 | 80 | 70 | 8 | 500 | 31500 | 37 | |
| | 6100 | 5100 | 410 | 635 | 510 | 965 | 8200 | 3150 | 3900 | 80 | 70 | 8 | 500 | 41000 | 37 | |
| | 8100 | 7100 | 410 | 635 | 510 | 750 | 10200 | 3200 | 3950 | 80 | 70 | 8 | 500 | 57000 | 37 | |
| D800 | 4100 | 3200 | 410 | 675 | 610 | 995 | 6300 | 3125 | 4050 | 80 | 80 | 8,5 | 550 | 34000 | 45 | |
| | 5100 | 4200 | 410 | 675 | 610 | 995 | 7300 | 3260 | 4050 | 80 | 80 | 8,5 | 550 | 37000 | 45 | |
| | 6100 | 5100 | 410 | 675 | 610 | 995 | 8350 | 3260 | 4050 | 80 | 80 | 8,5 | 550 | 49000 | 45 | |
| | 8100 | 7100 | 410 | 675 | 610 | 750 | 10300 | 3250 | 4050 | 80 | 80 | 8,5 | 550 | 68000 | 45 | |
| D1000 | 4100 | 3200 | 410 | 675 | 610 | 750 | 6300 | 3200 | 4150 | 75 | 70 | 6 | 780 | 44000 | 45 | |
| | 6100 | 5100 | 410 | 675 | 610 | 750 | 8300 | 3250 | 4150 | 75 | 70 | 6 | 780 | 62000 | 45 | |
| D1250 | 8100 | 7100 | 410 | 675 | 610 | 750 | 10500 | 3250 | 4150 | 75 | 70 | 6 | 780 | 87000 | 45 | |
| | 4100 | 3200 | 510 | 775 | 610 | 750 | 6400 | 3650 | 4150 | 70 | 65 | 6 | 1000 | 70000 | 45 | |
| D1500 | 6100 | 5100 | 510 | 775 | 610 | 750 | 8400 | 3650 | 4350 | 70 | 65 | 6 | 1000 | 76000 | 45 | |
| | 8100 | 7100 | 510 | 775 | 610 | 750 | 10500 | 3650 | 4750 | 70 | 65 | 6 | 1000 | 105000 | 45 | |
| D2000 | 6100 | 5000 | 510 | 775 | 610 | 750 | 8500 | 3650 | 4850 | 70 | 55 | 6 | 1000 | 92000 | 55 | |
| | 8100 | 7100 | 510 | 775 | 610 | 750 | 10600 | 3650 | 4850 | 70 | 55 | 6 | 1000 | 130000 | 55 | |
| D1500 | 6100 | 5000 | 510 | 775 | 610 | 750 | 8600 | 3900 | 4950 | 70 | 55 | 6 | 1300 | 111000 | 75 | |
| | 8100 | 6500 | 510 | 775 | 610 | 750 | 10700 | 3900 | 4950 | 70 | 55 | 6 | 1300 | 153000 | 75 | |
| D2000 | 6100 | 4500 | 510 | 775 | 610 | 750 | 8600 | 4050 | 5050 | 70 | 60 | 5 | 1700 | 152000 | 90 | |
| | 8100 | 6500 | 510 | 775 | 610 | 750 | 10700 | 4050 | 5050 | 70 | 60 | 5 | 1700 | 210000 | 90 | |

*For dimension details please look at left page.

**Technical specifications may change without advance notice.

BACK GAUGE OPTIONS

- 0,03mm accuracy,
- High speed,
- Strong structure,
- Linear scales,
- Ball bearing system without backlash,
- 3 step fingers with micrometric adjustment,
- Robust design againts hard impacts

X AXIS BACK GAUGE



A Series B Series

A Series High accuracy A/C inverter motor back gauge
B Series High accuracy MITSUBISHI SERVO Motor
 X travel 750mm

X+R AXES BACK GAUGE



A Series B Series C Series D Series

X travel 750mm, R travel 250mm
 Linear guided strenghtened R axis

X, R, Z1, Z2 AXES BACK GAUGE



B Series C Series D Series

X travel 750mm, R travel 250mm
 Z1,Z2 travel along the back gauge bar

X, R, Z1, Z2 +X5 AXES BACK GAUGE



B Series C Series D Series

X travel 750mm, R travel 250mm, X5 travel 200mm (+100mm)
 Z1,Z2 travel along the back gauge bar

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



B Series C Series D Series

6 Axes tower type
 Robust design against impacts

SAFETY OPTIONS



AKAS FPSC
FRONT LASER SAFETY



A Series B Series C Series D Series

MSD
FRONT LASER SAFETY



A Series B Series C Series D Series

DSP
FRONT LASER SAFETY



A Series B Series C Series D Series

FRONT
LIGHT BARRIER



A Series B Series C Series D Series

AKAS II
FRONT LASER SAFETY



A Series B Series C Series D Series

AKAS III - MOTORIZED
FRONT LASER SAFETY



A Series B Series C Series D Series

REAR SAFETY
LIGHT BARRIER



A Series B Series C Series D Series

REAR SAFETY
LIGHT BEAMS



A Series B Series C Series D Series

TOP TOOL CLAMPINGS

Easy tool changing

Fast

Vertical tool changing

Safe tool changing

Options for different needs

Strong and durable

MANUAL PROMECAM CLAMPING



A Series

MANUAL QUICK CLAMPING PROMECAM



A Series

B Series

C Series

D Series

WILA NSCL HYDRAULIC PUNCH CLAMPING



B Series

C Series

D Series

ROLLERI ROL 200 HYDRAULIC PUNCH CLAMPING



B Series

C Series

D Series

TEDA / EUROSTAMP PNEUMATIC PUNCH CLAMPING



B Series

C Series

D Series

T-CHANNEL PUNCH CLAMPING



C Series

D Series

CROWNING & BOTTOM TOOL CLAMPINGS



MANUAL CROWNING



A Series B Series C Series

MOTORISED CROWNING



A Series B Series C Series D Series

EUROPEAN TYPE DIE HOLDER



A Series B Series C Series D Series

60mm or 90mm European type die holder

WIDE TYPE BOTTOM TABLE



A Series B Series C Series D Series

150mm, 240mm, 320mm, ...

WILA NSCR HYDRAULIC DIE HOLDER



B Series C Series D Series

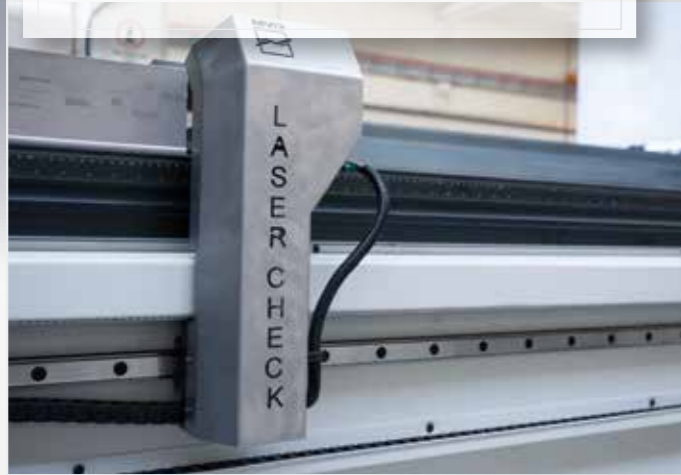
WILA / AMERICAN MANUAL DIE HOLDER



B Series C Series D Series

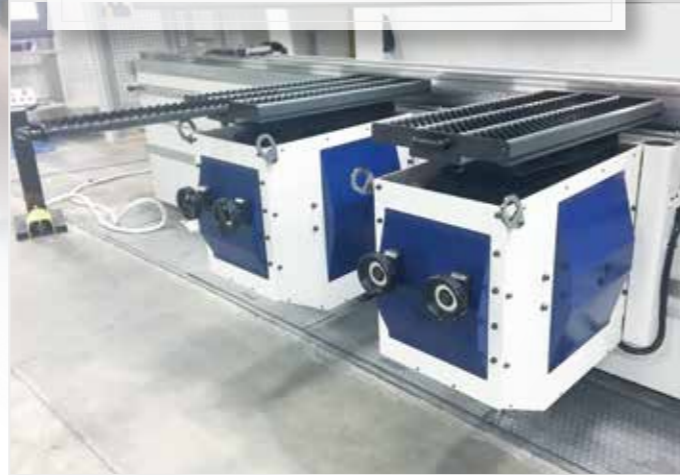
OTHER OPTIONS

LASER CHECK
AUTO ANGLE MEASUREMENT SYSTEM



B Series C Series D Series

AP01 / AP02
FRONT SHEET FOLLOWER ARMS



B Series C Series D Series

MITUTOYO
ANGLE MEASUREMENT DEVICE



B Series C Series D Series

CABIN COOLER
AC COOLING SYSTEM



A Series B Series C Series D Series

MANUAL / AUTOMATIC
SLIDEWAY LUBRICATION



A Series B Series C Series D Series

OIL
COOLER / HEATER



A Series B Series C Series D Series

PNEUMATIC
THIN SHEET SUPPORT ARMS



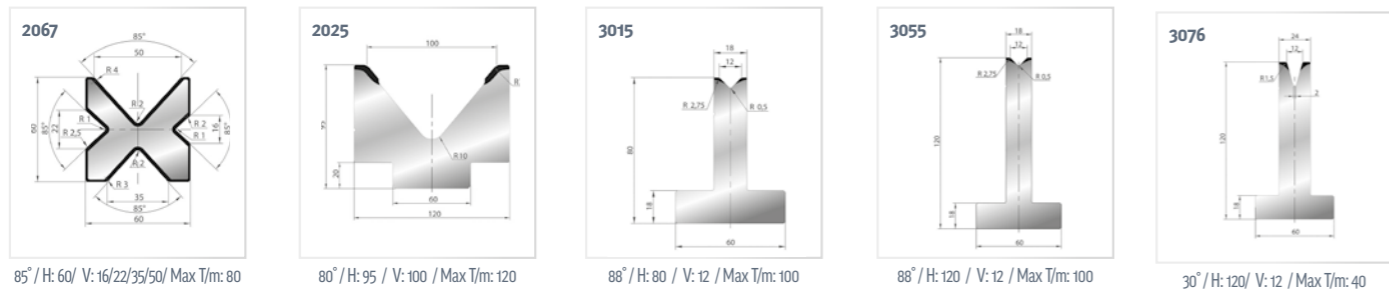
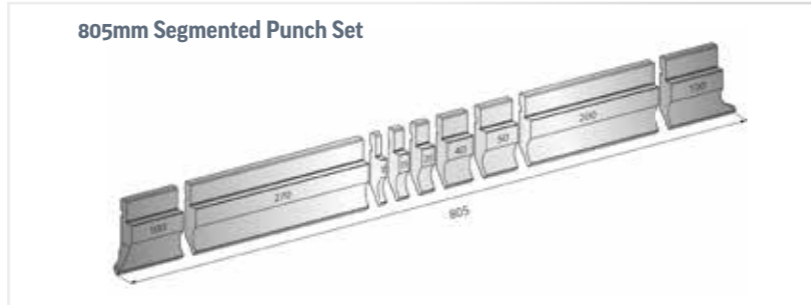
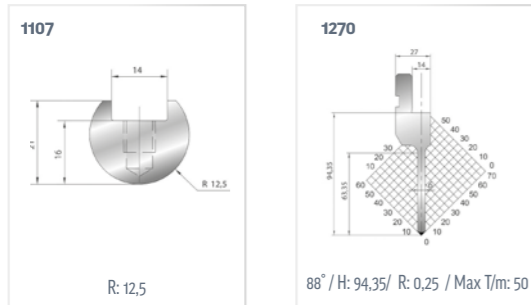
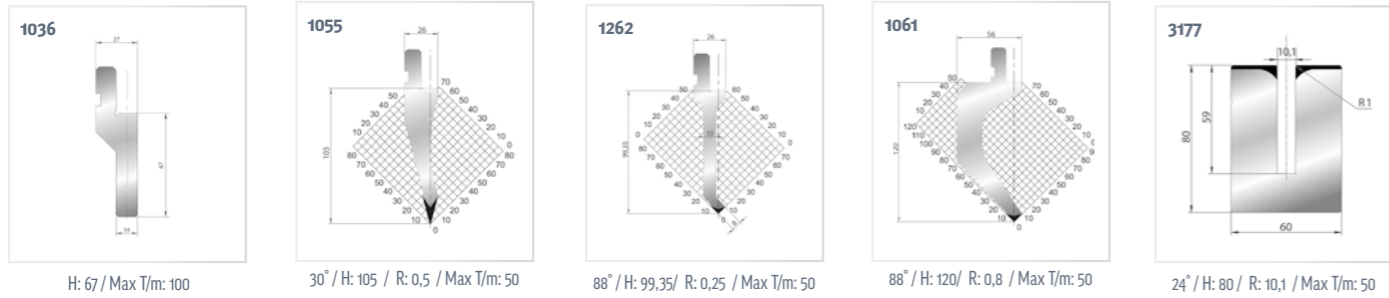
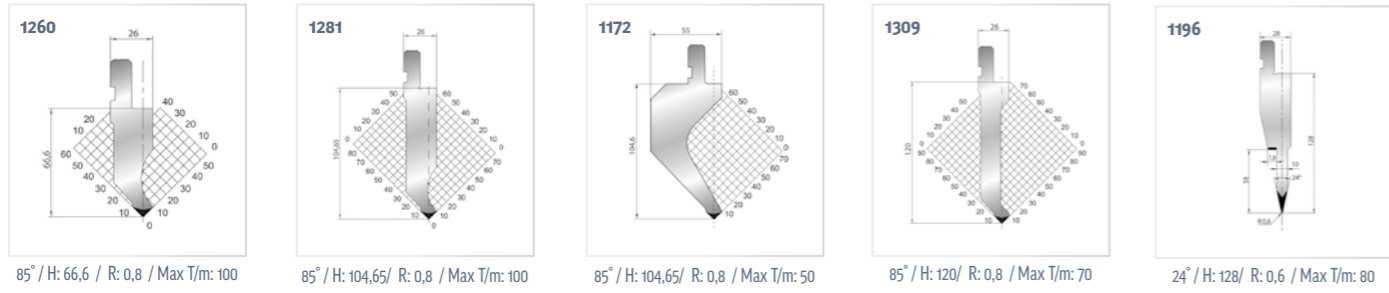
B Series C Series D Series

BIG
THROAT

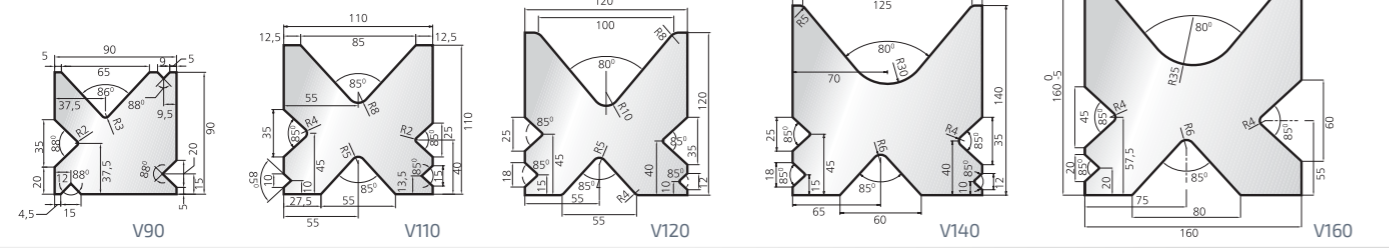


B Series C Series D Series

500mm to 1.500mm



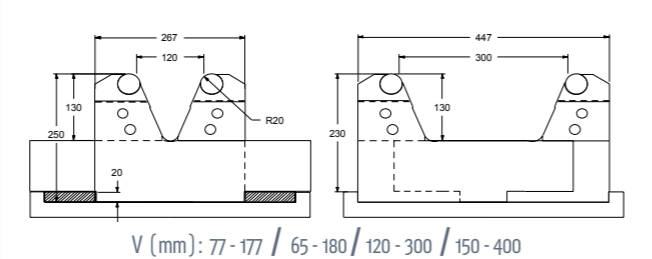
Multi Vee Dies (Wide Table)



805mm Segmented Die Set



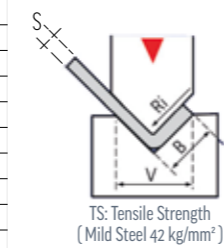
VLM- Adjustable Die



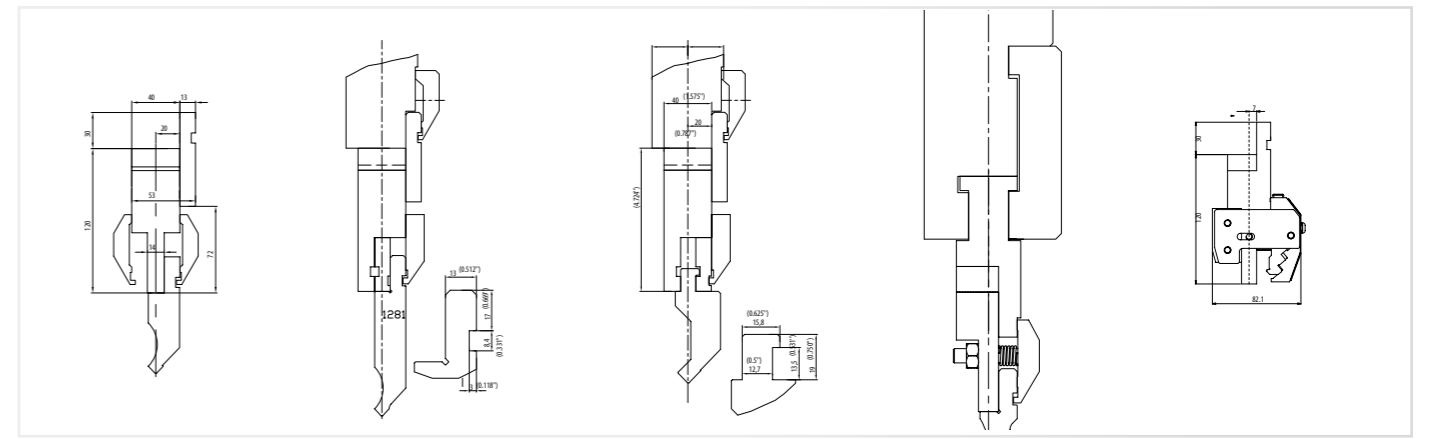
Bending Chart

| V | R | B | 0,5 | 0,8 | 1 | 1,2 | 1,5 | 2 | 2,5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 20 | 25 | 30 |
|-----|------|------|-----|------|------|------|------|------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| 4 | 0,7 | 26 | 4 | 10,5 | | | | | | | | | | | | | | | | |
| 6 | 0,9 | 3,9 | 2,6 | 6,9 | 10,6 | 15,3 | | | | | | | | | | | | | | |
| 8 | 1,5 | 5,2 | 2 | 5,5 | 8 | 11,5 | 18 | | | | | | | | | | | | | |
| 10 | 1,7 | 6,5 | | 4,1 | 6,5 | 9,5 | 14,5 | 26 | | | | | | | | | | | | |
| 12 | 2 | 7,8 | | | 5,5 | 8 | 12 | 21,5 | 33,5 | | | | | | | | | | | |
| 16 | 2,7 | 10,4 | | | | 6 | 9 | 16 | 25 | 36 | | | | | | | | | | |
| 20 | 3,4 | 13 | | | | | 7,5 | 13 | 20 | 29 | 52 | | | | | | | | | |
| 24 | 3,9 | 15,6 | | | | | | 10,6 | 17 | 24 | 43 | 67 | | | | | | | | |
| 30 | 5 | 20 | | | | | | | 14 | 19 | 34 | 54 | 77 | | | | | | | |
| 35 | 6 | 23 | | | | | | | | 17 | 30 | 46 | 66 | | | | | | | |
| 40 | 7 | 26 | | | | | | | | 15 | 26 | 40 | 58 | 103 | | | | | | |
| 50 | 8,5 | 32 | | | | | | | | | 21 | 32 | 46 | 82 | 120 | | | | | |
| 55 | 9 | 36 | | | | | | | | | | 30 | 42 | 75 | 117 | | | | | |
| 60 | 10 | 39 | | | | | | | | | | 27 | 39 | 69 | 107 | | | | | |
| 70 | 11,7 | 45 | | | | | | | | | | | 33 | 59 | 92 | 132 | | | | |
| 80 | 13,5 | 52 | | | | | | | | | | | 29 | 52 | 80 | 116 | 180 | | | |
| 100 | 17 | 65 | | | | | | | | | | | | 46 | 71 | 103 | 160 | | | |
| 120 | 20 | 78 | | | | | | | | | | | | 41 | 64 | 93 | 144 | | | |
| 140 | 24 | 91 | | | | | | | | | | | | | 54 | 77 | 120 | | | |
| 160 | 25 | 104 | | | | | | | | | | | | | | 66 | 103 | 183 | | |
| 200 | 31 | 130 | | | | | | | | | | | | | | | 90 | 160 | 250 | |
| 250 | 39 | 163 | | | | | | | | | | | | | | | 72 | 128 | 200 | |
| 300 | 47 | 195 | | | | | | | | | | | | | | | | 102 | 160 | 230 |
| | | | | | | | | | | | | | | | | | | 85 | 133 | 192 |

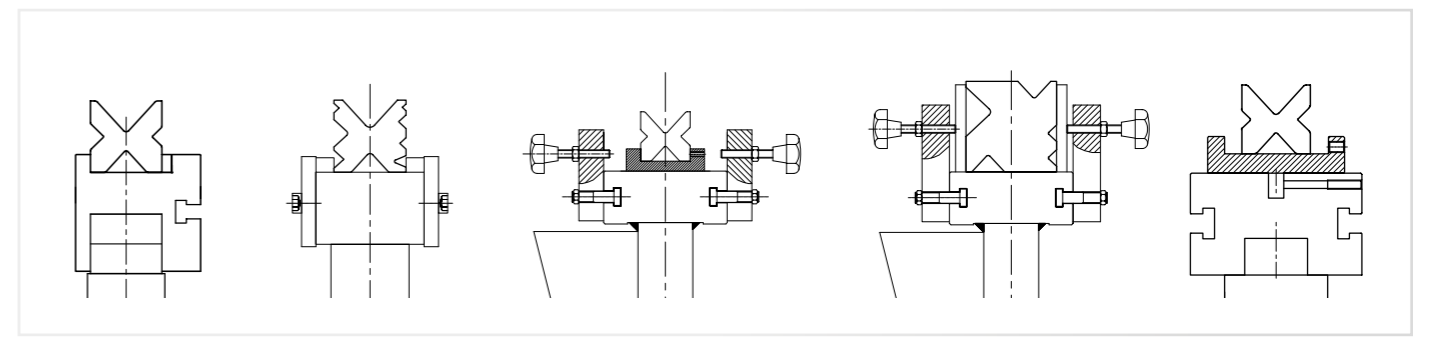
$$F = \frac{S^2 \times 2 \times TS}{1.4 \times V} = \dots \text{ ton/m}$$



PUNCH Holders



DIE Holders





iLaser
Fiber Laser



iPunch
Turret Punch



iBend
Press Brake



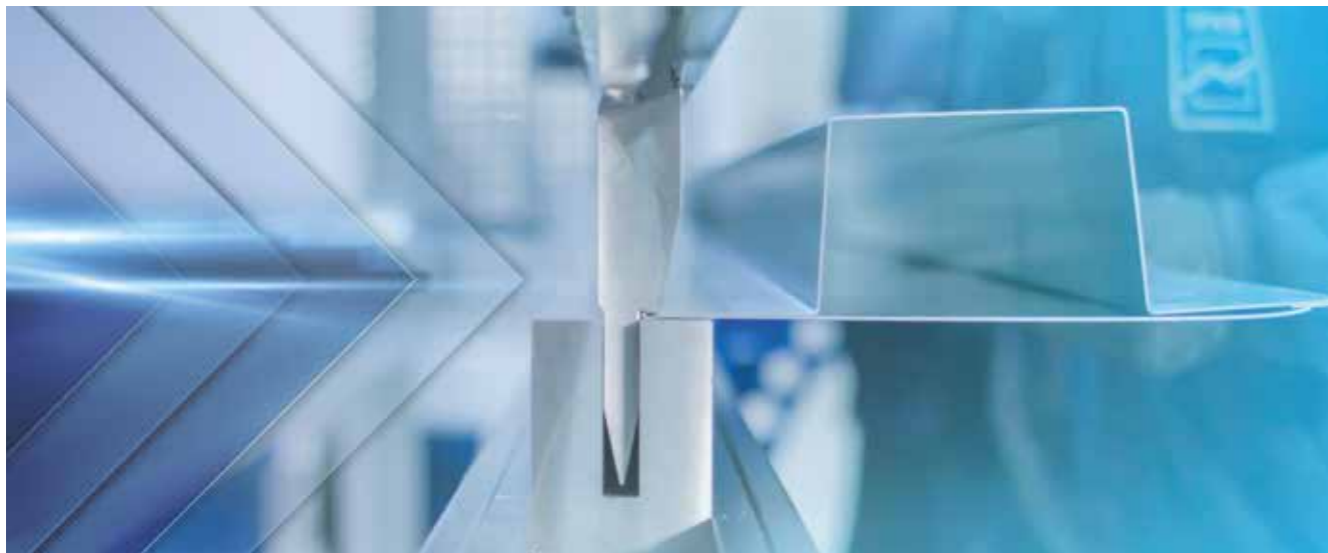
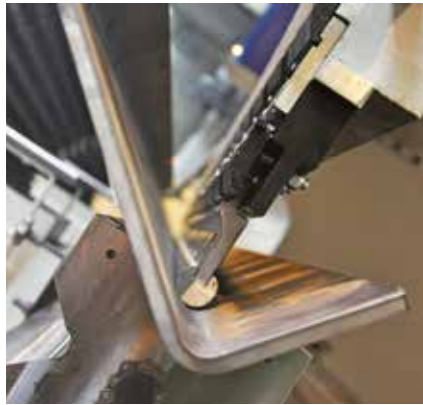
iPlasma
Plasma-OXY Cutting



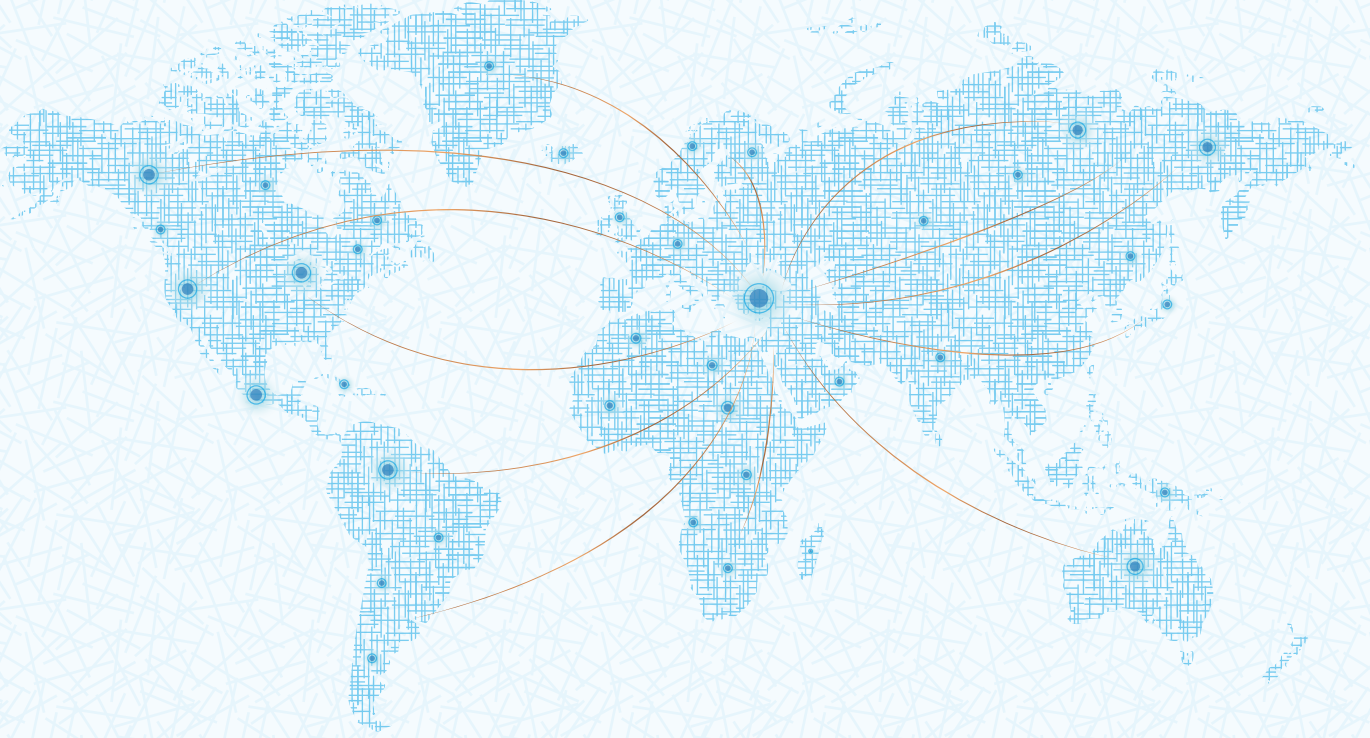
iShear
Guillotine Shear

iExpand
Expanded Metal Press





A large area of horizontal lines, likely a template for text or a list.



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