DeCeTec

DECETEC

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DeCeTec

DeCeTec

EXPERT OF METAL FORMING

BENDING/SHEARING/LASER/GOOVER/STAMPING/RIVETING

CONTENTS ↗

20+
Age of Establishment

60+
Number of Employees

10Million USD
Annual Sales

COMPANY **PROFILE**

DECETEC specializes in advanced sheet-metal bending and cutting solutions. With strong R&D capabilities and a global sales presence, we deliver innovative and reliable press brake technology.

Equipped with Delem DA53T, DA58T, DA66S, and DA69S controllers, our machines ensure precision, efficiency, and great value. Fast delivery and dedicated service make DECETEC a trusted choice for metal fabrication worldwide.

DECETEC
INTELLIGENT CREATE FUTURE

DeCeTec

PROCESSING **EQUIPMENT**

DECETEC continually advances in technology and intelligent manufacturing.

With strict European-standard quality control, we ensure every machine is delivered to perfection — empowering the global metal fabrication industry with world-class equipment.

SMART MANUFACTURING CRAFTED WITH PRECISION

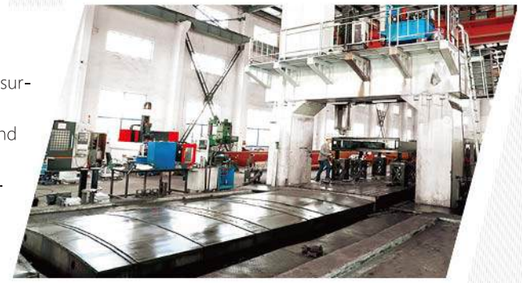
DECETEC integrates innovation, automation, and European-standard quality control into every stage of production. Our advanced CNC gantry mills, machining centers, and precision assembly lines guarantee performance, accuracy, and durability trusted by professionals worldwide.

QUALITY AS THE FOUNDATION EXCELLENCE IN EVERY DETAIL

At DECETEC, quality is the lifeblood of every product.
As we grow, we remain dedicated to precision and strength.
We believe there is no best — only better.
Through constant refinement, we deliver reliability and excellence to the world.

DUAL CERTIFICATION SYSTEM FORGING THE FOUNDATION OF QUALITY

DECETEC is certified under ISO 9001 and GJB 9001C, ensuring excellence in every process.
We uphold customer focus, precision manufacturing, and integrity as our core values.
With micron-level inspection and controlled environments, accuracy is guaranteed.
Every test reflects our unwavering commitment to world-class quality.



PBE SERIES

Hybrid Electric CNC Press Brake

- Through a dual servo electro-hydraulic hybrid system, each side of the oil cylinder is equipped with an independent servo motor and servo pump for control.

Energy Saving

Eco-friendly

Efficient

Low Niose

Low Fuel

DeCeTec

Feature

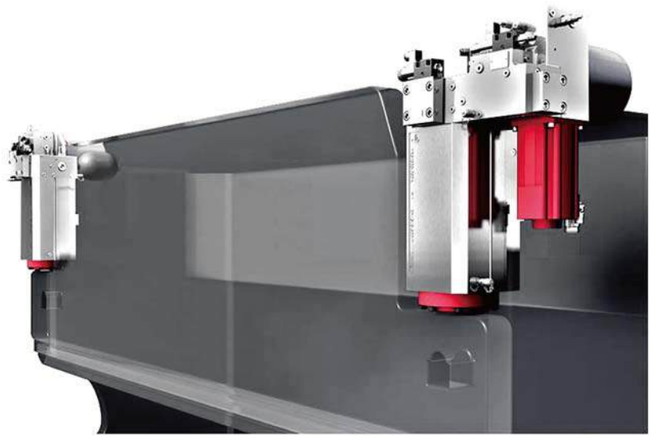
- More precise pressure, position, and synchronization control, with a system repeatability accuracy of up to 5 μm.
- Faster working performance.
- Closed hydraulic system, with the oil tank capacity reduced by 75%.

  Highly stable and long-lasting hydraulic system for extended service life.
- Highly stable and long-lasting hydraulic system for extended service life.
- High energy efficiency, providing on-demand power supply and significantly reducing electricity consumption.
- Effectively lowers system noise — the motor stops completely during standby, achieving near-silent operation.

CNC Press Brake

New-Generation Electro-Hydraulic Hybrid Drive System

Powered by the original German APAX control system, DECETEC's hybrid drive delivers precision and innovation.
Dual independent hydraulic units ensure seamless, pipe-free integration and exceptional control.
The system achieves faster response, higher positioning accuracy, and greater stability.
Designed for efficiency and reliability, it sets a new benchmark in intelligent motion technology.

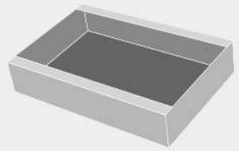


30%
Efficiency
— Increased by 30%

70%
Oil Consumption
— Reduced by 70%

70%
Energy Consumption
— Reduced by 70%

Time Cycle Comparison



Achieve the bending time required for a 6-bend box
— only the machine's operating time.

100t Hydraulic
75 mm/s

100t Hydraulic Servo
110 mm/s

EP-Servo
200 mm/s

PBC SERIES

Servo Main Motor CNC Press Brake

- Equipped with a high-performance servo motor and advanced single-servo pump control technology, the system offers a highly efficient, eco-friendly, and cost-effective solution for modern metal fabrication.

Energy Saving

Eco-friendly

Efficient

Low Niose

DeCeTec

Feature

- Equipped with a high-performance servo motor that delivers on-demand power and cuts energy costs significantly.
- The servo pump system runs only when required, reducing overall noise by up to 30%.
- Advanced torque-limit and analog-speed control effectively prevent valve overflow and heat buildup, ensuring stable and efficient operation.
- Longer service life with minimal maintenance requirements.

CNC Press Brake

70% Energy Saving

High-Performance Cost-Effective Hybrid Drive System

Compact size, simple installation structure, energy-saving and oil-saving design.

Servo motor drive for lower noise and higher efficiency.

Equipped with Rexroth valve and Rexroth oil pump for stable and reliable performance with extended service life.

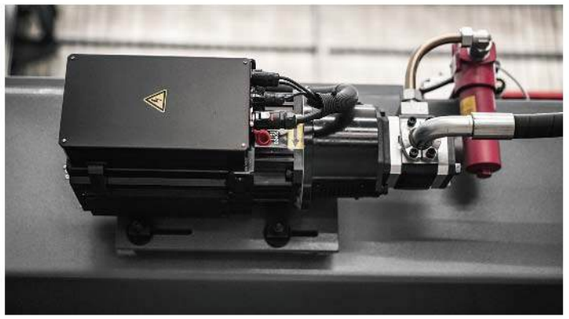
Oil cleanliness level improved from NS7 to NS9, significantly reducing product failure rate.

Proportional valve control eliminates overflow losses; the system maintains low oil temperature and reduces hydraulic oil consumption by 60% compared with traditional machine tools.

ESVP Energy Saving System

SVP Energy Saving System

60% Energy Saving

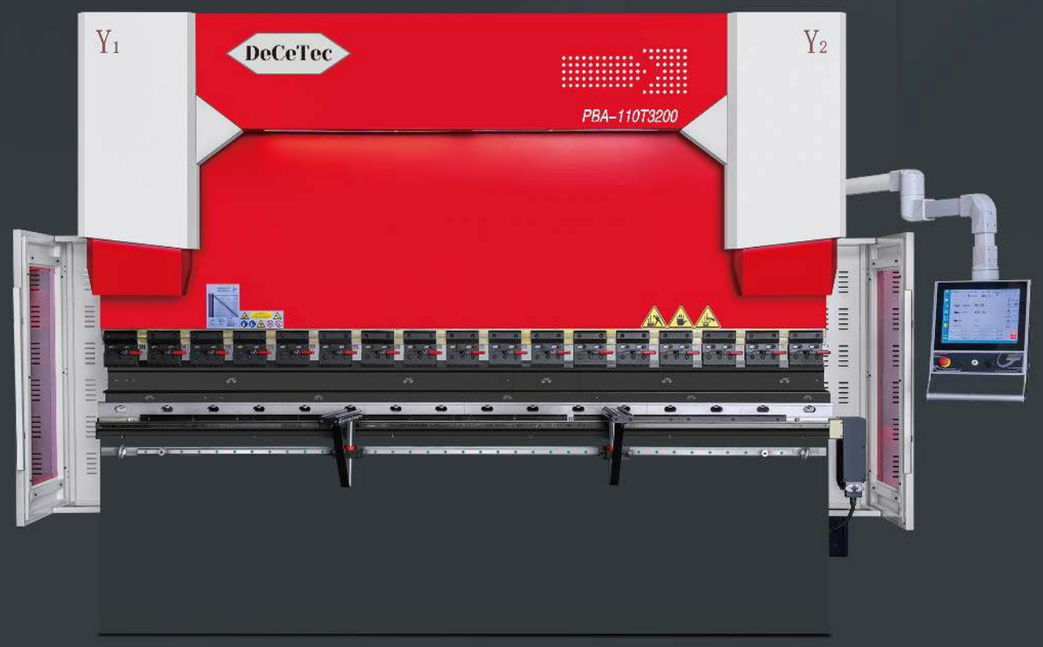


- **Energy Saving:** On-demand servo pump control delivers oil only when needed, achieving outstanding energy efficiency.
- **Low Noise:** The system runs only during operation, reducing noise levels by up to 30%.
- **Low Oil Temperature:** Advanced torque-limit and analog-speed control eliminate unnecessary valve flow, maintaining stable operation and significantly reducing oil temperature.

PBA SERIES

Electro-hydraulic Synchronized
CNC Press Brake

- The CNC control system, equipped with dual magnetic scales (Y1 and Y2) and a servo-controlled proportional hydraulic valve, precisely monitors and adjusts the ram's position and speed. Both cylinders operate in perfect synchronization, ensuring exceptional bending accuracy and consistent angles.



Energy Saving

Eco-friendly

Efficient

Low Niose

DeCeTec

Feature

- Imported configuration, stable and reliable
- High-strength frame with thick plates and robust structure
- High-precision backgauge system
- Standard 4+1 axis NC control (Y1, Y2, X, R + V)
- Closed-loop automatic mechanical deflection compensation for the worktable
- Throat deformation compensation mechanism

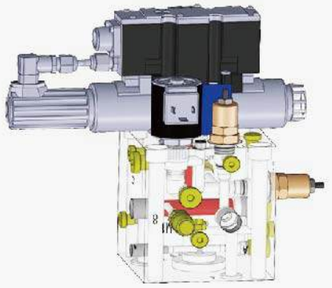
CNC Press Brake

High-Performance Hydraulic System

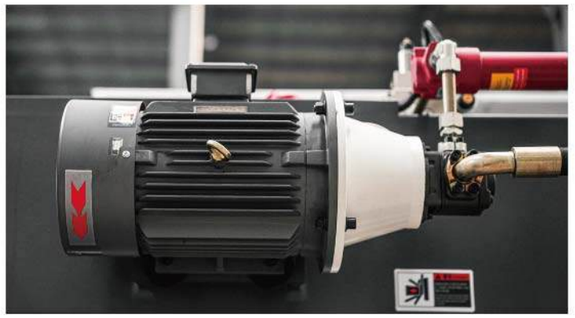
Rexroth Bosch Group

HAWE HYDRAULIK

Equipped with German REXROTH / HAWE servo valve technology, the system features fully closed-loop synchronization control, ensuring precise, smooth, and stable high-speed performance.



Hydraulic valve manifold



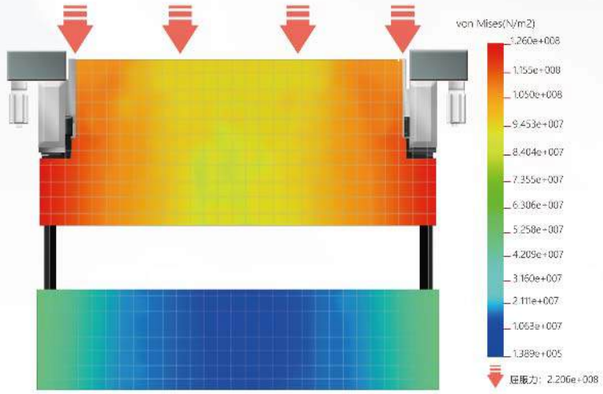
Main Motor

The press brake adopts a high-quality motor from a globally recognized brand, offering quiet operation, reliable performance, and extended service life.

VARIED CONFIGURATIONS AND FLEXIBLE OPTIONS

High-Strength Frame

The reinforced frame and widened slider ensure maximum rigidity and minimal deflection, providing stable and precise bending performance.



C-type Throat Deformation Compensation Device

Accurately measures the minor deformation caused by the machine' s bending force and provides real-time compensation, ensuring high bending accuracy for plates of any thickness or material.

Imported high-precision displacement sensor: GIVI, Italy

GIVI MISURE

DeCeTec

STANDARD CONFIGURATION

Stable and Reliable Backgauge System

The backgauge adopts an imported ball screw and dual linear guide design for outstanding precision and stability.
Equipped with multi-stage backgauge fingers, it offers a wider positioning range and greater flexibility for various bending operations.

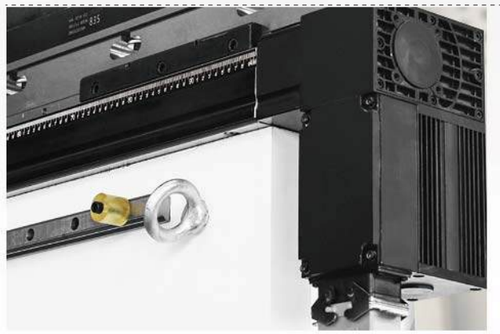
Precision Quick Clamping System

Designed for rapid upper die installation, this system reduces manual effort and boosts productivity.
Featuring high precision and secure locking, it ensures easy operation, no loosening, and safe tool handling.

74.High-Performance Hydraulic System

The system adopts German REXROTH / HAWE high-performance servo valves, offering fast response, low failure rate, and full closed-loop synchronization.
This ensures precise control, smooth motion, and stable high-speed performance of the press brake.

VARIED CONFIGURATIONS AND FLEXIBLE OPTIONS

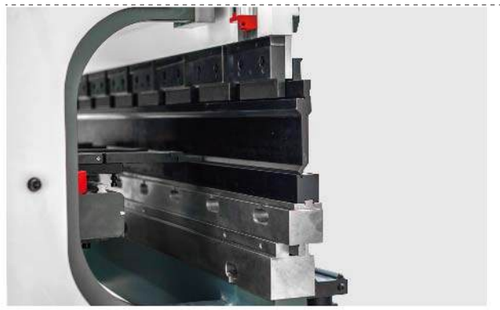


High-Precision Automatic Mechanical Crowning System

The system features closed-loop control with exceptional precision. Compensation values are automatically calculated and adjusted by the CNC system, guaranteeing uniform bending angles along the entire workpiece length.

Moveable Front Support System

The movable front support slides smoothly along the linear guide rail and can be positioned anywhere as needed.
It features rotation and height adjustment functions, providing convenient and reliable support during bending operations.



High-Quality Press Brake Tooling

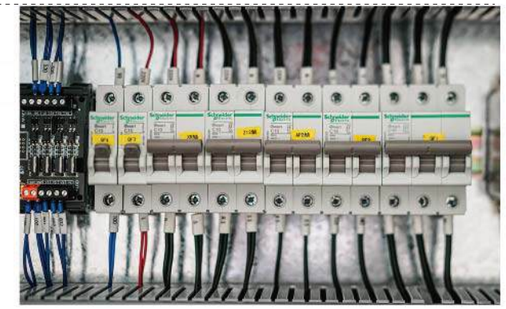
Manufactured through forging and heat treatment, the tooling ensures exceptional durability, precision, and consistency.
Its high straightness and repeatability deliver perfect bending results for various materials.

DeCeTec

STANDARD CONFIGURATION

Schneider Electric Components

The machine adopts high-quality Schneider electrical components, fully compliant with DIN and ISO international standards, providing safe, stable, and reliable performance.



Graphite Self-lubricating Copper Plate

Excellent wear resistance and low friction coefficient.
Requires no oil lubrication or minimal lubrication, effectively reducing maintenance frequency or even eliminating maintenance altogether.

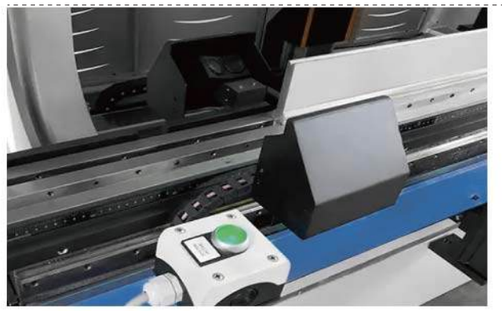
Lower Tool Clamp

Featuring a double-V quick-change bottom die clamping system (standard), the lower mold adopts a double-V quick-change design.
Optional mechanical or hydraulic clamping configurations are available, supporting multi-V lower die setups for enhanced flexibility and efficiency.

VARIED CONFIGURATIONS AND FLEXIBLE OPTIONS

Safety Guards

Equipped with an Italian DSP laser protection system, ensuring comprehensive safety during bending operations and protecting the operator at all times.



Laser Angle Measurement System

The laser check angle measurement ensures precise and stable bending angles, enhancing the accuracy and efficiency of automated production.

CNC Follower Supports

The CNC-controlled follower supports automatically adjust their angle and height during bending.
They move smoothly along the linear guide rail, providing stable support for large or heavy workpieces and improving bending accuracy.

DeCeTec

WILA

Holland WILA Upper Tool Clamping System

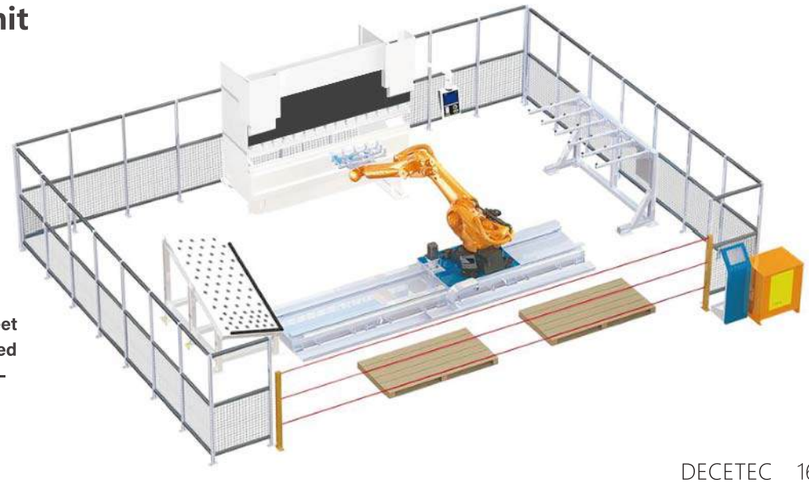
The system features hydraulic clamping with electrically controlled automatic clamping and release functions.
It delivers strong, reliable force and enables rapid and safe tool changes for higher efficiency.

Holland WILA Lower Tool Holders

Equipped with a hydraulic clamping mechanism and electric control system, the lower die offers quick, stable, and efficient clamping.
This allows fast and precise die replacement, minimizing downtime.

Robotic Bending Unit

We offer flexible and intelligent sheet metal automation solutions designed to meet your individual manufacturing requirements.



OPTIONAL CONFIGURATION

Double-sided Quick Clamping System

The upper die can be clamped from both the front and rear sides, greatly improving bending efficiency and reducing tool change costs.

8+1-Axis CNC Backgauge

On the basis of the standard backgauge axes, an additional independently servo-driven lifting/positioning module is added (front-rear/vertical as designed), enabling rapid and accurate positioning for multi-step, multi-angle bending.

6+1-Axis CNC Backgauge

The backgauge is built on a high-rigidity base and equipped with X-, R-, and Z-axis drive systems.
It automatically positions the backgauge fingers according to workpiece requirements, ensuring precise alignment and dimensional accuracy for consistent, high-quality bending results.

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CNC SYSTEM

DA·50 Touch

DELEM DA53Tx

"Hot-key" touch navigation
15.6" high resolution wide screen TFT
Up to 4 axes (Y1,Y2 + 2 aux. axes)
Crowning control
Tool /material /product library
Servo and frequency inverter control
Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
2D graphical programming (optional)
TandemLink (option)
Network interfacing (optional)
Profile-53TL offline software

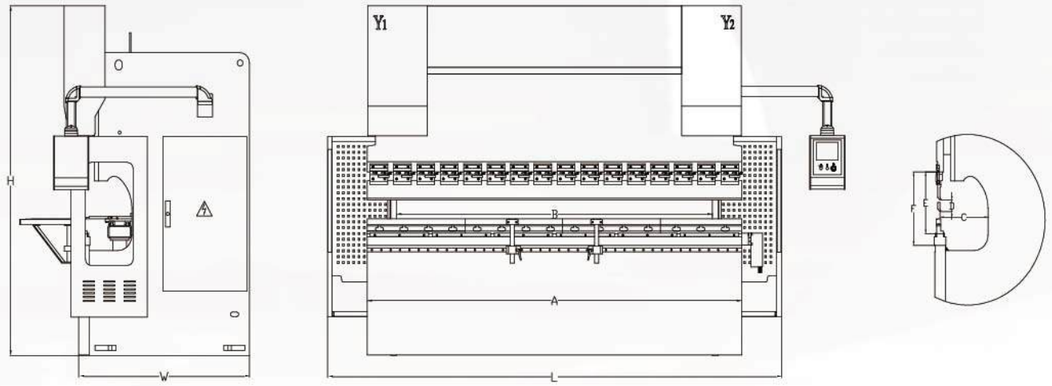
Delem

DELEM DA58Tx	DELEM DA66S	DELEM DA69S
		
The Netherlands	The Netherlands	The Netherlands
2D graphical touch screen programming 18.5" high resolution colour TFT Bend sequence calculation Crowning control Tool /material / product library Servo and frequency inverter control Advanced Y-axis control algorithms for closed-loop as well as open-loop valves. Protractor interfacing (option) TandemLink (option) Network Interface (option) Profile-58TL offline software	2D graphical touch screen programming mode 3D visualisation in simulation and production mode 24" high resolution colour TFT Delem Modusys compatibility (module scalability and adaptivity) USB, peripheral interfacing Support for Industry 4.0 connectivity (OPC-UA optional) Shop floor control, Job list functionality Open system architecture Sensor bending & correction interface Profile-S2D offline software	3D and 2D graphical touch screen programming mode 3D visualisation in simulation and production mode 24" high resolution colour TFT Delem Modusys compatibility (module scalability and adaptivity) USB, peripheral interfacing Support for Industry 4.0 connectivity (OPC-UA optional) Shop floor control, Job list functionality Open system architecture Sensor bending & correction interface Profile-S 3D offline software

CYBELEC
INFRANOR GROUP COMPANY

SCS700	SCS920	CYBELEC CybTouch 12 PS
		
Features a Taiwan-made, industrial-grade, high-sensitivity 15-inch LCD touchscreen. Customized EMC Level 4 industrial computer board for stability and reliability. Dual-CPU system configuration provides powerful computing power and precise control. Standard PLC + C Motion programming is used. Supports standard EtherCAT communication expansion. Linux operating system with instantaneous power failure support.	Features a Taiwan-made, industrial-grade, high-sensitivity 21.5-inch LCD touchscreen. Customized EMC Level 4 industrial computer board for stability and reliability. Dual-CPU system configuration provides powerful computing power and precise control. Standard PLC + C Motion programming is used. Supports standard EtherCAT communication expansion. Linux operating system with instantaneous power failure support.	Switzerland 12 "color LCD display, touch screen, icon recognition function; The "EasyBend" page is processed with easy single bending. The fully efficient bending programming can meet the needs of mass production and processing. Automatically calculate bending angle, main pressure and deflection compensation; Automatic calculation of bending data; Automatic calculation of pressure and deflection compensation; automatic calculation of upper die depth; Angle, rear gear correction, 2D graphics programming; Automatically simulate the bending sequence and provide the best bending scheme (option).

TECHNICAL PARAMETERS



	A	B	C	D	E	F							L	W	H	
Model	Bending Force (KN)	Max. Bending Length (mm)	Distance Between Columns (mm)	Throat Depth (mm)	Ram Stroke (mm)	Open Height (mm)	Die Installation Height (mm)	Main Motor Power (kw)	Hydraulic Oil Capacity (L)	Speed (mm/s)			Overall Dimensions (mm)			Weight (kg)
										Approach Speed (mm/s)	Pressing Speed (mm/s)	Return Speed (mm/s)	Length	Width	Height	
40-1600	400	1600	1200	300	150	450	545	5.5	160	230	0-15	140	2200	1450	2155	4300
70-1600	700	1600	1200	350	170	460	555	7.5	160	230	0-15	140	2200	1450	2155	4500
70-2500	700	2500	2000	350	170	460	555	7.5	225	230	0-15	140	3220	1780	2650	5500
110-2500	1100	2500	2000	400	200	490	585	11	225	220	0-15	140	3240	1780	2680	7000
110-3200	1100	3200	2700	400	200	490	585	11	350	220	0-15	140	4030	1780	2680	8000
110-4100	1100	4100	3300	400	200	490	585	11	350	220	0-15	140	4830	1780	2780	10000
130-3200	1300	3200	2700	400	200	490	585	11	350	200	0-15	140	4030	1790	2750	8300
130-4100	1300	4100	2700	400	200	490	585	11	430	200	0-15	140	4830	1790	2850	11300
130-5000	1300	5000	4100	400	200	490	585	11	550	180	0-15	90	5830	1790	3100	14000
130-6000	1300	6000	4800	400	200	490	585	11	550	180	0-15	90	6830	1790	3200	16000
170-3200	1700	3200	2700	400	200	490	585	15	350	200	0-15	140	4050	1800	2730	10100
170-4100	1700	4100	3300	400	200	490	585	15	430	200	0-15	140	4700	1800	2830	12100
170-5000	1700	5000	4100	400	200	490	585	18.5	550	160	0-15	90	5700	1800	3080	15000
170-6000	1700	6000	5000	400	200	490	585	18.5	550	160	0-15	90	6700	1800	3180	18000
220-3200	2200	3200	2700	400	200	490	585	18,5	350	160	0-13	140	4020	1850	2850	12000
220-4100	2200	4100	3300	400	200	490	585	18,5	430	160	0-13	140	4820	1850	3100	13900
220-5000	2200	5000	4100	400	200	490	585	22.5	550	130	0-13	90	5820	1850	3250	18200
220-6000	2200	6000	5000	400	200	490	585	22.5	550	130	0-13	90	6820	1850	3350	21000
250-3200	2500	3200	2700	450	250	540	635	22.5	350	130	0-13	110	4050	1860	3000	14000
250-4100	2500	4100	3300	450	250	540	635	22.5	430	130	0-13	110	4850	1860	3100	16000
250-5000	2500	5000	3800	450	250	540	635	22.5	550	1 20	0-13	80	5850	1860	3250	21000
250-6000	2500	6000	5000	450	250	520	615	22.5	550	120	0-13	80	6850	1860	3350	24000
300-3200	3000	3200	2700	450	250	520	615	24,5	460	100	0-13	90	4600	2260	3400	17700
300-4100	3000	4100	3300	450	250	520	615	24,5	460	100	0-13	90	5400	2260	3500	20300
300-5000	3000	5000	3800	500	250	520	615	24,5	550	90	0-13	90	6430	2260	3680	26100
300-6000	3000	6000	5000	500	250	520	615	24,5	550	90	0-13	90	7430	2260	3850	30400

*Specifications are for reference only. Actual parameters may vary depending on the final product.

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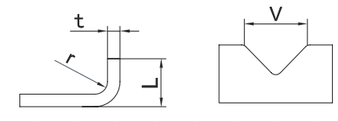
Sheet Metal Bending Force Chart

Lower Die V-Opening Width	Bending Radius	Minimum Flange Length	t	0.5~2.6			3.0~8.0					9.0~10				12 以上					
			v	6t			8t					10t				12t					
V	r	L	t0.5	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.3	2.6	3.0	3.2	3.6	4.5	5.0	6.0	8.0	10	12	15	18	20	25
4	0.7	2.8	4	6																					
6	1.0	4.0	3	4	7	11																			
7	1.1	5.0		3	6	10	14																		
8	1.3	5.5		3	5	10	12	15																	
10	1.5	7.0			4	7	10	13	17																
12	2.0	8.5				6	8	11	11	22															
14	2.3	10					7	10	13	19	25														
16	2.5	11					7	9	11	17	22	28													
18	3.0	13.5						8	10	15	19	25	37												
20	3.3	14							9	13	17	22	30	37											
25	4.0	18								11	14	18	24	27	37										
32	5.5	23									11	14	19	21	27	44									
40	6.5	28										11	15	17	21	34	42								
50	8	35											11	14	17	27	33	48							
63	10	45													14	21	26	38							
80	13.5	57															21	30	66						
100	16	71																24	54	96					
125	20	89																	43	76	139				
160	26	113																		60	106	150			
200	35	140																			85	119	160		
250	42	175																				95	128	165	238

V: Lower Die V-Opening Width
r: Bending Radius
L: Minimum Flange Length
t: Sheet Thickness



The data in the table refer to free bending of a 1000 mm-long steel plate (Rm = 450 N/mm²).

When using a double-V lower die, it is recommended to use the inner V-opening for bending.
Do not exceed the indicated nominal pressure when operating the tooling.
If the die is found to be cracked, worn, or deformed, replace it immediately.
Use tooling supplied by recommended or reputable domestic and international manufacturers.
This booklet is for internal reference only. Content and price changes may occur without prior notice.

Bending Force Calculation
(Pressure required for bending 1000 mm of mild steel)

Bending Shape	Open Hemming		Flattened Hemming	
				
Sheet Thickness (mm)	Force (TON)	a (mm)	Force (TON)	2t (mm)
0.6	17	1.5	26	1.2
0.8	21	2.0	32	1.6
1.0	26	2.5	40	2.0
1.2	30	3.0	50	2.4
1.6	38	4.0	63	3.2
2.0	43	5.0	80	4.0
2.3	50	5.8	90	4.6
3.2	60	8.0	120	6.4

Bending Force Calculation Formula (Reference Value)

$$F\ (chart) = 65 \times t^2 / V\ (Ton/m)$$

Bending Force

Alu	δ b=300 MPa	F=F（chart）× 0.65
S.S	δ b=700 MPa	F=F（chart）× 1.6

DECETEC SERIES

Lower-Drive CNC Press Brake

- The lower-drive press brake adopts hydraulic lower drive, and offers good safety, operability, and reliability.
- It uses rigid wedge synchronization with rolling guides, maintaining the levelness/parallelism of the upper and lower worktables during bending.
- The upper table is equipped with a wedge-type deflection (crowning) compensation device to improve machining accuracy.
- The upper and lower dies of the lower-drive press brake are integrally quenched. The upper die uses a standard punch, while the lower die adopts a double-wedge modular structure. The intermediate plate is equipped with a quick-clamping device for fast tool change.

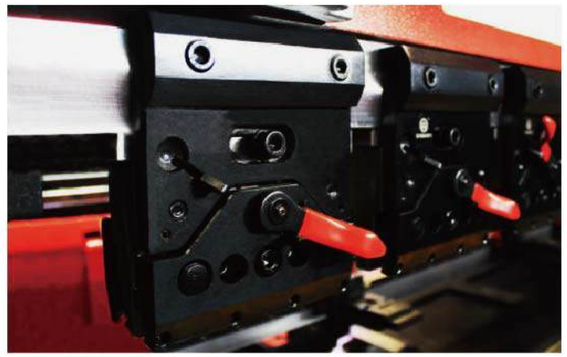
Energy Saving

Eco-friendly

Efficient

Low Niose

DeCeTec

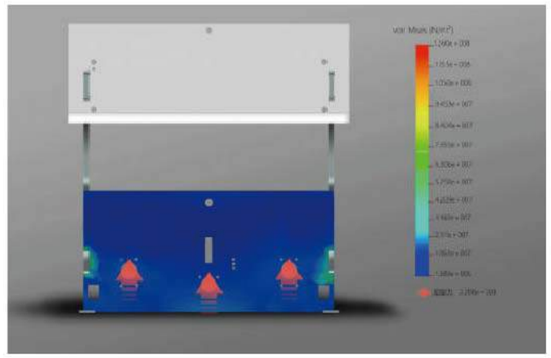


Double-Sided Quick Clamp

The upper die can be installed on both sides, making it suitable for a wide variety of complex workpieces while reducing tooling costs. The quick-release design significantly shortens die-change time, saving both labor and production downtime.

Vibration Stress Relief Treatment

The frame is welded through automated manufacturing to achieve uniform and stable weld seams that resist deformation. Vibration stress relief treatment is then applied to eliminate residual stress after welding, enhancing overall structural rigidity and ensuring superior load-bearing performance during long-term operation.



This machine delivers high production efficiency and excellent bending accuracy. When processing sheet metal of different thicknesses, using a variety of upper and lower tooling allows multiple bending shapes to be achieved with precision.
The welded steel frame undergoes stress-relief heat treatment for enhanced strength and rigidity. It offers high machining accuracy, superior structural stability, reduced energy consumption, and a highly reliable lower-drive hydraulic system with a low failure rate.

FULL ELECTRIC
CNC PRESS BRAKE

WC67K SERIES

Hydraulic Torsion-Bar NC Press Brake

Designed for reliable performance and superior cost-efficiency

- Standard 2-axis NC control (Y, X)
- Mechanical torsion-bar synchronization for precise bending stability
- High-quality domestic hydraulic integrated system
- Schneider / Siemens low-voltage electrical components
- Inverter-driven motor for smooth, energy-saving operation
- Imported sealing components ensure durability with no leakage
- Ball screw backgauge with higher accuracy and long service life
- Upper-wedge crowning system for improved bending precision
- Front support arms included for large sheet handling

DeCeTec

Back Gauge

High-quality ball screw and linear guide are adopted to ensure accurate positioning of the workpiece, allowing precise and repeatable bending results that meet production requirements.

Torsion-Bar Synchronized Control System

The machine adopts a steel torsion-bar synchronization system, featuring a simple yet highly precise mechanical structure.

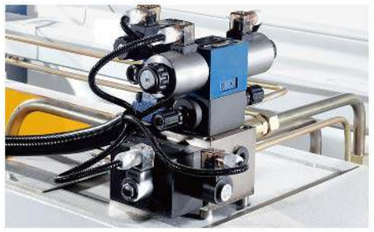
Dual synchronization mechanisms at both ends ensure the ram movement remains parallel to the worktable at all times, providing stable motion and maintaining balance throughout bending operations.

Fast Clamp

The fast clamping system enables quick and convenient replacement of the upper punch, significantly reducing setup time and improving productivity.

Punch & Die

The standard upper punch and multi-V lower die allow bending of sheet metal in various thicknesses. A wide range of press brake tooling options is available to suit different applications and bending requirements.



Hydraulic System

The machine adopts an integrated hydraulic control system that reduces piping connections for enhanced reliability and easier maintenance. Rexroth or premium domestic hydraulic components are optional to meet different configuration requirements.

TP10S	ESTUN E21	ESTUN E310P
		

Technical Parameter

Type	Nominal Force (KN)	Worktable Length (mm)	Poles Distance (mm)	Throat Depth (mm)	Slider Travel (mm)	Max Open Height (mm)	Power (kw)	Dimension(LxWxH) (mm)
30T/1600	300	1600	1200	180	90	280	4	1900 ×1200 ×1850
40T/1600	400	1600	1200	220	110	330	4	1900 ×1300 ×2000
40T/2500	400	2500	1980	220	110	330	5.5	2800 ×1300 ×2050
63T/2500	630	2500	1980	260	120	350	5.5	2800 ×1400 ×2150
63T/3200	630	3200	2655	260	120	350	5.5	3500 ×1400 ×2150
80T/2500	800	2500	1980	320	120	380	7.5	2800 ×1500 ×2300
80T/3200	800	3200	2655	320	120	380	7.5	3500 1500 2300
80T/4000	800	4000	3355	320	120	380	7.5	4300 ×1500 ×2300
100T/2500	1000	2500	1980	320	150	410	7.5	2800 ×1600 ×2300
100T/3200	1000	3200	2655	320	150	410	7.5	3500 ×1600 ×2400
100T/4000	1000	4000	3355	320	150	410	7.5	4300 ×1600 ×2400
125T/2500	1250	2500	1980	320	150	410	11	2800 ×1600 ×2300
125T/3200	1250	3200	2655	320	150	410	11	3500 ×1600 ×2400
125T/4000	1250	4000	3355	320	150	410	11	4300 ×1600 ×2400
160T/2500	1600	2500	1980	320	200	470	11	2800 ×1750 ×2550
160T/3200	1600	3200	2655	320	200	470	11	3500 ×1750 ×2550
160T/4000	1600	4000	3355	320	200	470	11	4300 ×1750 ×2550
160T/6000	1600	6000	5000	320	200	470	11	6300 ×1850 ×2950
200T/2500	2000	2500	1980	320	200	470	11	2800 ×1750 ×2550
200T/3200	2000	3200	2655	320	200	470	11	3500 ×1750 ×2550
200T/4000	2000	4000	3355	320	200	470	11	4300 ×1750 ×2550
200T/6000	2000	6000	5000	320	200	470	11	6300 ×1850 ×2950
250T/3200	2500	3200	2520	400	250	530	18.5	3500 ×1850 ×3250
250T/4000	2500	4000	2920	400	250	530	18.5	4300 ×1850 ×3250
250T/6000	2500	6000	5000	400	250	530	18.5	6300 ×1950 ×3350
300T/3200	3000	3200	2520	400	250	540	22	3500 ×1950 ×3300
300T/4000	3000	4000	2920	400	250	540	22	4300 ×1950 ×3300
300T/6000	3000	6000	5000	400	250	540	22	6300 ×2050 ×3400
400T/3200	4000	3200	2520	400	250	540	30	3500 ×2150 ×3400
400T/4000	4000	4000	2920	400	250	540	30	4300 ×2150 ×3400
400T/6000	4000	6000	5000	400	250	540	30	6300 ×2250 ×3400

*Specifications are for reference only. Actual parameters may vary depending on the final product.

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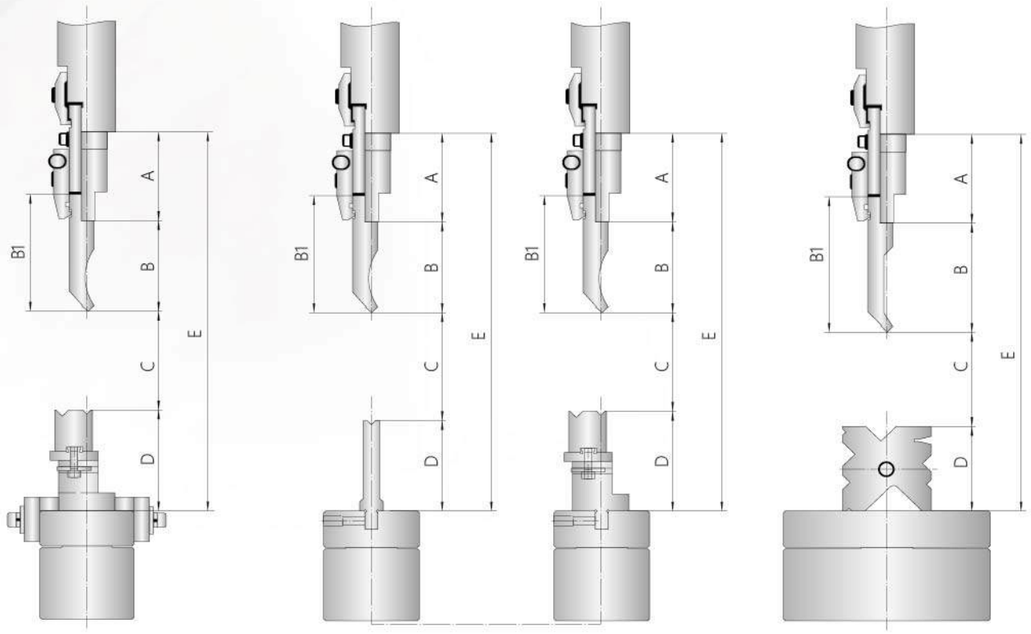
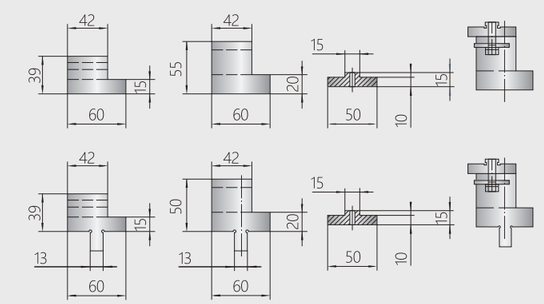
Tool Installation Diagram



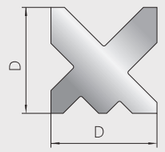
Double-V Lower Die | Single-V & Double-V Combined Lower Die | Multi-V Block Lower Die

Standard Tooling Configuration Chart (40T-400T)

Code	Double-V Die	Single-V / Double-V Die	Multi-V Block Die
A (Fast Clamp Height)	100	100	100
B (Net Height of Upper Punch)	90/120	90/120	120
B1 (Upper Punch Height)	120/150	120/150	150
C (Distance Between Punch and Die)	E-A-B-D		
D (Lower Die Height)	95/111	100/106	65/85/95/110 /130/140
E (Opening Height)	Refer to Technical Specification Table		



Multi-V Block Lower Die



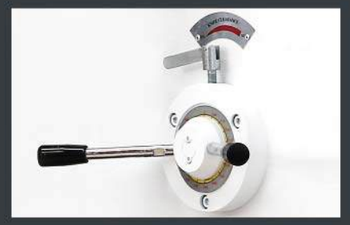
Model / Specification	V-Opening Sizes
DF065	4、8、10、12、16、24、32、40
DF085	4、6、8、10、10∠30°、12、30、40、50
DF095	8、10∠30°、12、16、24、32、40、60
DF110	8、12、18、25、36、48、65、80
DF130	12、16、24、32、40、48、80、100
DF140	12、16、24、32、40、50、80、100

40T–220T standard: Double-V lower die 250T and above standard: Multi-V block lower die

QC12K SERIES

Hydraulic Swing Beam CNC Shearing Machine

- Steel plate welded frame with hydraulic drive and nitrogen cylinder return ensures easy operation, reliable performance, and a clean industrial appearance.
- Blade gap adjustment with scale indicator allows quick and effortless operation with stepless control.
- Equipped with a shadow line lighting device and stepless adjustment of the upper blade stroke for improved cutting precision.
- Fence-style safety protection system ensures operator security during cutting.
- The backgauge is controlled by the E21S NC system, delivering low noise and high positioning accuracy.



Quick Blade Gap Adjustment Device

Branded Oil Pump

Backgauge Motor

DeCeTec

ESTUN E21S

Backgauge control
Driven by standard motor or inverter
Intelligent positioning
Dual-channel encoder digital output
Workpiece counter
Storage for 40 programs, up to 25 steps per program
Single-step positioning
Memory return function
One-key parameter backup and restore
Metric / Imperial unit switch

ESTUN E200P

CAN-bus control for the X-axis backgauge and cutting function
Shearing control
Dual-channel encoder digital output
Storage for 40 programs, up to 25 steps per program
Single-step positioning
Built-in cutting time counter and return delay setting
One-touch parameter backup & restore
Full-function diagnostics with real-time alarm display
Safety interlock and external interface support
High-resolution color LCD display
Supports metric/imperial and Chinese/English language switching

DELEM DAC-360T

Industrial-grade advanced touchscreen control
7-inch high-resolution color TFT display
Control for back / front gauge
Cutting angle and blade gap control
Manual movement function for all axes
Supports second and third axes control (DAC-362T)
USB flash drive interface for data transfer

CYBTOUCH 8

Large display with high resolution and high contrast touchscreen system
Intuitive interface with clear icons and large function keys
EasyCut interface simplifies step-by-step shearing operations
Batch programming improves cutting efficiency for repetitive jobs
On-screen assistance and prompts make the software extremely user-friendly
Supports multiple languages
Software update and data transfer via USB or PC connection

Front Worktable

- Built-in spring hold-down system, with special protective pads on the lower part to prevent marking or scratching on aluminum sheets or other sensitive materials.
- Rolling steel ball support reduces friction and effort when feeding sheets, ensuring the workpiece surface remains smooth and undamaged.

High-Quality Shearing Blades

- Manufactured from premium alloy tool steel, providing high impact resistance and excellent wear resistance to meet demanding shearing conditions.

QC11K SERIES

Hydraulic Guillotine CNC Shearing Machine

- All-steel welded structure with vibration stress relief for high rigidity
- Integrated hydraulic valve block with fewer pipe connections for higher reliability
- Dual-cylinder synchronization keeps the shearing angle constant
- Fast and stable nitrogen accumulator return
- Quick manual blade gap adjustment for accurate shearing setup
- Adjustable cutting angle to minimize plate deformation
- Motorized backgauge with digital display for high positioning accuracy
- Rolling balls on the worktable reduce friction & protect sheet surfaces

DeCeTec

ESTUN E21S

Backgauge control
Driven by standard motor or inverter
Intelligent positioning
Dual-channel encoder digital output
Workpiece counter
Storage for 40 programs, up to 25 steps per program
Single-step positioning
Memory return function
One-key parameter backup and restore
Metric / Imperial unit switch

ESTUN E200P

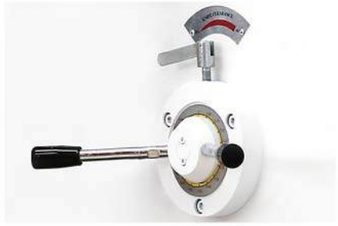
CAN-bus control for the X-axis backgauge and cutting function
Shearing control
Dual-channel encoder digital output
Storage for 40 programs, up to 25 steps per program
Single-step positioning
Built-in cutting time counter and return delay setting
One-touch parameter backup & restore
Full-function diagnostics with real-time alarm display
Safety interlock and external interface support
High-resolution color LCD display
Supports metric/imperial and Chinese/English language switching

DELEM DAC-360T

Industrial-grade advanced touchscreen control
7-inch high-resolution color TFT display
Control for back / front gauge
Cutting angle and blade gap control
Manual movement function for all axes
Supports second and third axes control (DAC-362T)
USB flash drive interface for data transfer

CYBTOUCH 8

Large display with high resolution and high contrast touchscreen system
Intuitive interface with clear icons and large function keys
EasyCut interface simplifies step-by-step shearing operations
Batch programming improves cutting efficiency for repetitive jobs
On-screen assistance and prompts make the software extremely user-friendly
Supports multiple languages
Software update and data transfer via USB or PC connection

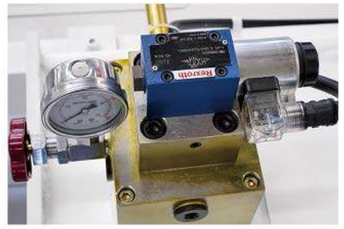


Fast Blade Gap Adjustment Device

Simple and quick manual adjustment allows fast and precise blade gap setting, improving cutting quality and efficiency.

Premium Brand Motor

Equipped with a high-quality branded motor that ensures low noise operation and a longer service life for the machine.



Hydraulic Valve System

The hydraulic system uses an electro-hydraulic proportional valve, enabling programmable pressure control for stable and reliable performance throughout the cutting process.

Backgauge servo motor (standard with servo system)

Pneumatic rear sheet support (optional)

Rear safety light curtain (optional)

TECHNICAL PARAMETERS

Hydraulic Swing Beam CNC Shearing Machine

Model	Cutting Thickness	Cutting Width	Cutting Angle	Material Strength	Backgauge Travel	Cutting Frequency	Main Motor Power	Overall Dimensions
TYPE	(mm)	(mm)	(°)	(KN/CM)	(mm)	(T/min)	(kw)	L×W×H(mm)
4×2500	4	2500	1° 30′	≤450	20–600	16	5.5	3040×1610×1620
4×3200	4	3200	1° 30′	≤450	20–600	14	5.5	3840×1610×1620
4×4000	4	4000	1° 30′	≤450	20–600	10	5.5	4600×1700×1700
4×6000	4	6000	1° 30′	≤450	20–600	8	7.5	6460×2100×3200
6×2500	6	2500	1° 30′	≤450	20–600	14	7.5	3040×1610×1620
6×3200	6	3200	1° 30′	≤450	20–600	12	7.5	3840×1610×1620
6×4000	6	4000	1° 30′	≤450	20–600	8	7.5	4620×1750×1700
6×5000	6	5000	1° 30′	≤450	20–600	6	11	5400×1800×1900
6×6000	6	6000	1° 30′	≤450	20–600	5	11	6480×2100×2300
8×2500	8	2500	1° 30′	≤450	20–600	10	11	3040×1700×1700
8×3200	8	3200	1° 30′	≤450	20–600	8	11	3860×1700×1700
8×4000	8	4000	1° 30′	≤450	20–600	8	11	4640×1700×1700
8×5000	8	5000	1° 30′	≤450	20–600	8	11	5400×2100×2000
8×6000	8	6000	1° 30′	≤450	20–600	8	11	6480×2100×2350
10×2500	10	2500	2°	≤450	20–600	9	11	3040×1700×1700
10×3200	10	3200	2°	≤450	20–600	9	11	3860×1700×1700
10×4000	10	4000	2°	≤450	20–600	8	11	4650×2100×2000
10×6000	10	6000	2°	≤450	20–1000	5	15	6500×2100×2300
12×2500	12	2500	2°	≤450	20–600	9	18.5	3140×2150×2000
12×3200	12	3200	2°	≤450	20–600	9	18.5	3880×2150×2000
12×4000	12	4000	2°	≤450	20–600	8	18.5	4680×2150×2000
12×5000	12	5000	2°	≤450	20–750	6	18.5	5900×2150×2000
12×6000	12	6000	2°	≤450	20–750	5	18.5	6900×2600×2700
12×8000	12	8000	2°	≤450	20–1000	5	18.5	9000×3500×3500
16×2500	16	2500	2° 30′	≤450	20–600	9	22	3140×2150×2000
16×3200	16	3200	2° 30′	≤450	20–600	8	22	3880×2150×2000
16×4000	16	4000	2° 30′	≤450	20–600	8	22	4650×2150×2200
16×5000	16	5000	2° 30′	≤450	20–750	6	22	5900×2600×2700
16×6000	16	6000	2° 30′	≤450	20–750	5	22	6900×2700×2700
16×8000	16	8000	2° 30′	≤450	20–1000	5	22	9000×3500×3500
20×2500	20	2500	3°	≤450	20–1000	8	22	3440×2300×2500
20×3200	20	3200	3°	≤450	20–1000	8	22	4150×2350×2700
20×4000	20	4000	3°	≤450	20–1000	5	22	4850×2600×2700
20×6000	20	6000	3°	≤450	20–1000	4	30	6700×3000×3000
25×2500	25	2500	3°	≤450	20–1000	8	37	3200×2700×2900
25×3200	25	3200	3°	≤450	20–1000	5	37	4200×2700×2900
30×2500	30	2500	3°	≤450	20–1000	4	37	3300×2900×3000
30×3200	30	3200	3° 30′	≤450	20–1000	4	40	4200×2900×3200
40×2500	40	2500	4°	≤450	20–1000	3	55	3200×3300×3000
40×3200	40	3200	4°	≤450	20–1000	3	55	4300×3300×3200

*Specifications are for reference only. Actual parameters may vary depending on the final product.

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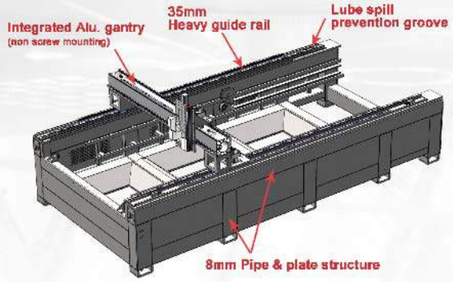
Hydraulic Guillotine CNC Shearing Machine

Model	Cutting Thickness (mm)	Cutting Length (mm)	Cutting Angle (°)	Backgauge Stroke (mm)	Length (mm)	Width (mm)	Height (mm)	Main Motor Power
TYPE	(mm)	(mm)	(°)	(mm)	(mm)	(mm)	(mm)	(Kw)
6x2500	6	2500	1-3	750	3140	1740	2040	7.5
6x3200	6	3200	1-3	750	3750	1770	2150	7.5
6x4000	6	4000	1-3	750	4830	1840	2150	11
6x5000	6	5000	1-3	750	5830	1840	2150	11
6x6000	6	6000	1-3	750	6480	2100	2300	11
8x2500	8	2500	1-3	750	3040	1700	1700	11
8x3200	8	3200	1-3	750	3860	1700	1700	11
8x4000	8	4000	1-3	750	4640	1700	1700	11
8x5000	8	5000	1-3	750	5400	2400	2000	11
8x6000	8	6000	1-3	750	6480	2100	2350	11
8x8000	8	8000	1-3	750	8580	2130	2350	11
10x2500	10	2500	1-3	750	3040	1800	1700	15
10x3200	10	3200	1-3	750	3850	1830	1900	15
10x4000	10	4000	1-3	750	4650	2100	2000	15
10x5000	10	5000	1-3	750	5750	2100	2000	15
10x6000	10	6000	1-3	750	6500	2100	2300	15
10x8000	10	8000	1-3	750	6800	2100	2300	15
12x2500	12	2500	1-3	750	3285	1830	2390	15
12x3200	12	3200	1-3	750	3855	1830	2390	18.5
12x4000	12	4000	1-3	1000	4850	1830	2390	18.5
12x6000	12	6000	1-3	1000	6850	1930	2650	18.5
12x8000	12	8000	1-3	1000	8950	2130	2850	18.5
12x9000	12	9000	1-3	1000	9980	2300	2950	18.5
12x10000	12	10000	1-3	1000	11050	2500	3100	18.5
16x2500	16	2500	1-3	1000	3440	1940	2830	22
16x3200	16	3200	1-3	1000	4010	1940	2830	22
16x4000	16	4000	1-3	1000	5010	1980	2830	22
16x5000	16	5000	1-3.5	1000	5900	2600	2830	22
16x6000	16	6000	1-3.5	1000	6900	2700	2830	22
16x8000	16	8000	1-3.5	1000	8900	2900	3430	22
20x2500	20	2500	1-3.5	1000	3440	1980	2830	30
20x3200	20	3200	1-3.5	1000	4010	1900	2830	30
20x4000	20	4000	1-3.5	1000	4850	2600	2900	30
20x6000	20	6000	1-3.5	1000	6700	3000	3000	30
30x2500	30	2500	1-3.5	1000	3440	1900	2830	37
30x3200	30	3200	1-3.5	1000	4200	1900	3000	37
40x2500	40	2500	1-3.5	1000	3440	2000	3000	37

*Specifications are for reference only. Actual parameters may vary depending on the final product.

Single Table

Fiber Laser Cutting Machine



3015SG Series

Fiber Laser Cutting Machine

Strong & heavy structure

High stability configs

Smaller area reguired

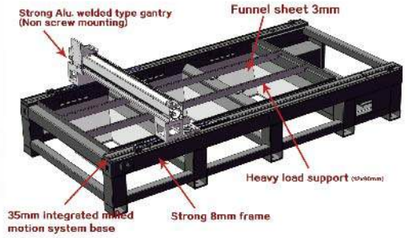
- The machine frame adopts a double-tube overlap welding structure, forming a solid double-layer connection between both sides of the body. Compared with a single-layer spot-welded plate structure, it provides significantly higher rigidity, mechanical strength, and excellent anti-torsion and anti-bending performance, ensuring long-term stability during operation.
- The motion components adopt a heavy-duty configuration, offering high precision, fast response, and strong wear resistance. This allows the machine to meet the needs of long-term, high-power, and high-efficiency production. The bottom of the cutting area is designed with a fully enclosed slag-dropping chute that guides metal dust and slag to fall directly into the waste trolley below, preventing debris from entering the motion system and affecting accuracy and working life. This design is well-suited for high-power laser cutting machines.

Model	3015SG	4020SG	6515SG
Fiber laser power	3w/6kw	3w/6kw	6kw/12kw/20kw
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 1510mm
Z axis height	125mm	125mm	120mm
Accuracy	±0.02mm	±0.02mm	±0.03mm
Free move speed	90m/min	80m/min	80m/min
Machine dimension	2350x4600x1500mm	2800x5800x1500mm	2350x8400x1600mm
Auxiliary gas pressure		O2 8-10bar , N2/Air 10-15bar	
Power supply		380V , ±5% , 50Hz 3phase	

DeCeTec

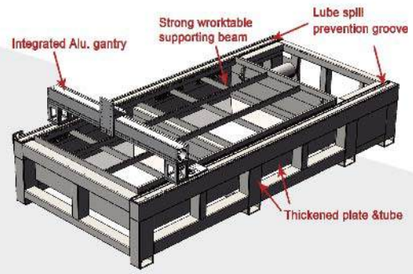
3015DG Series

Fiber Laser Cutting Machine



3015JK Series

Fiber Laser Cutting Machine



Model	3015SGG/JK	4020GG/JK	6515GG/JK
Fiber laser power	1500/3000W	3000/6000W	3000/6000W
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 1510mm
Z axis height	180mm	160mm	120mm
Accuracy	±0.02mm	±0.02mm	±0.03mm
Free move speed	90m/min	80m/min	80m/min
Machine dimension	2350x4600x1500mm	2800x5900x1500mm	2350x8300x1600mm
Auxiliary gas pressure		O2 8-10bar , N2/Air 10-15bar	
Power supply		380V , ±5% , 50Hz 3phase	

Double Table
Fiber Laser Cutting Machine

Double working effciency
Higher safety
Strong & heavy structure


Art works industry


Kitchenware industry


Automobile industry


Machine cabin industry

3015D Series
Fiber Laser Cutting Machine

- This model features a dual worktable design. While loading and unloading materials on the rear table, the machine continues cutting on the front table, enabling uninterrupted production. This results in up to twice the working efficiency compared to a single-table design and greatly improves labor utilization and production capacity.
- With a heavy-duty machine structure and high-precision hardware configuration, combined with an advanced and reliable CNC control system, the machine delivers excellent stability and long-term cutting accuracy from the very foundation.

Model	3015D	4020D	6520D
Fiber laser power	3000W	3000/6000W	3000/6000W/12000W
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 2010mm
X/Y/Z-axis accuracy	±0.02mm	±0.02mm	±0.03mm
Z axis height	140mm	130mm	120mm
Free move speed	60m/min	60m/min	60m/min
Machine dimension	2350x5500x1500mm	2800x6400x1500mm	2350x8400x1600mm
Auxiliary gas pressure		O2 8-10bar , N2/Air 10-16bar	
Power supply		380V , ±5% , 50Hz 3phase	

DeCeTec

Exchange Table
Fiber Laser Cutting Machine

Double working effciency
Better dust exhaust resulte
Higher safety
Elegant appearance

3015C Series
Fiber Laser Cutting Machine

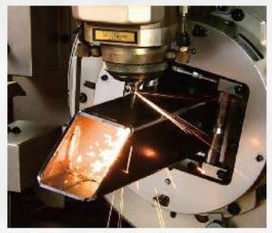

Heavy structure

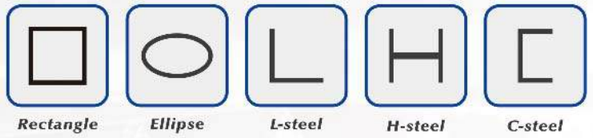
Integrated Aluminium gantry

- The enclosed fiber laser cutting machine adopts a heavy plate welded structure. After overall annealing, high-precision machining by a large gantry milling center and one-time drilling of all screw holes ensure excellent structural rigidity and long-term deformation resistance.
- A high-precision motion installation is completed in one step, improving alignment accuracy for the transmission system. The high-strength aluminum alloy beam is lightweight yet rigid, reducing inertia during high-speed movement and further enhancing cutting stability and accuracy.
- The fully enclosed safety design effectively isolates the motion area from the operation area, preventing accidental injury from high-speed moving parts and laser radiation.
- The machine adopts a top-level CNC control system and world-class transmission components, ensuring outstanding performance, stability, and processing quality.

Model	3015C	4020C	6525C
Fiber laser power	3000/6000W	3000/6000W	6000W/12000W/20000W
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 2510mm
X/Y/Z-axis accuracy	±0.02mm	±0.02mm	±0.03mm
Z axis height	120mm	120mm	120mm
Free move speed	90m/min	80m/min	80m/min
Machine dimension	2500x8800x2600mm	2900x11600x2600mm	3400x15900x2600mm
Auxiliary gas pressure		O2 8-10bar , N2/Air 10-15bar	
Power supply		380V , ±5% , 50Hz 3phase	

Professional Pipe
Cutting Machine





6022C Series
Professional Pipe Cutting Machine

- Pneumatic front & rear chuck for fast loading/unloading
- Advanced pipe cutting software for high accuracy & speed
- Capable of multi-shape pipe cutting: round / square / rectangle / ellipse / L / H / U
- Bevel-cutting capability ensures perfect welding joints
- Simple operation with high productivity and wide application

Model	6012C	6024C
Fiber laser power	3000W	3000W/6000W
Round pipe size	Φ20-120x6200mm	Φ20-220x6200mm
Square pipe size	25-120mm	25-240mm
Chuck type	front & rear Neumatic max.load 120kg	front & rear Neumatic max.load 400kg
Tailing material length	30-60mm	30-70mm
Machine dimension	1400x8500mm	1500x8600mm
Auxiliary gas pressure	O2 7-10bar , N2/Air 10-15bar	
Power supply	380V , ±5% , 50Hz 3phase	

DeCeTec

Professional Pipe
Cutting Machine

6012C Series
Professional Pipe Cutting Machine

- This pipe cutting machine is specially designed for cutting small pipes. The front and rear chucks adopt a lightweight pneumatic structure, providing faster response and improved working efficiency. When the remaining pipe length reaches 40-5 mm at the end of cutting, the front chuck automatically moves to adjust and clamp the pipe, ensuring minimal pipe waste and higher material utilization.
- The machine is equipped with a semi-automatic feeding system. The operator only needs to place the pipes on the loading system in an orderly way, and the pipes will be automatically fed and clamped into the machine. This greatly shortens loading time and significantly increases machine productivity.

Model	6012G	6024G
Fiber laser power	1500/3000W	3000W
Round pipe size	Φ20-120x6500mm	Φ20-220x6500mm
Square pipe size	25-120mm	25-160mm
Chuck type	front & rear Neumatic max.load 80kg	front & rear Neumatic max.load 200kg
Tailing material length	30-60mm	40-70mm
Machine dimension	1300x8200mm 1200kg	1400x8200mm 1400kg
Auxiliary gas pressure	O2 7-10bar , N2/Air 10-15bar	
Power supply	380V , ±5% , 50Hz 3phase	

Handheld Laser
Welding Machine

High stability
Low maintain cost
Easy operation

200SH Series
Handheld Laser Welding Machine

- This laser spot welding machine adopts YAG laser technology, featuring deep welding penetration, high stability, low maintenance cost, and excellent anti-reflection capability. It is widely used in many industries, especially for materials with high reflectivity such as jewelry welding, silverware, and crafts. The machine's structural design prevents damage caused by reflected laser light from the workpiece, ensuring safe and reliable operation.
- The machine is equipped with a split-type large-capacity water chiller, providing sufficient cooling capability to support long-term stable performance of the laser source and system.

Model	200SH	400SH
Laser type	YRS	YRS
Laser power	200w	400w
Dia.oflaser spot	0.3-3mm	0.3-4mm
Melting depth	Max.3mm	Max.5mm
Positioning	Red light	Red light
Observation type	Microscope/CCD	CCD
Cooling type	Water cooling	Water cooling
Power supply	220V, ±5%, 50Hz single phase 4kw	220V,±5%, 50Hz single phase 6kw
Machine dimention	Host 110x50x120cm Chiller 57x45x86cm	

DeCeTec

Handheld Laser
Welding Machine

High stability
Low maintain cost
Easy operation

200AD Series
Handheld Laser Welding Machine

- This handheld laser welding machine is suitable for welding irregular metal products such as iron and stainless steel letters, mold repair, eyeglass frames, jewelry, stainless steel kitchenware, and handcrafted metal parts.
- It features simple and easy operation with adjustable welding frequency and laser output to meet different welding requirements.
- It is ideal for industries that require flexible, precise, and efficient spot welding or continuous seam welding.

Model	200AD
Laser type	YRS
Laser power	200w/400w
Welding spot size	1-3mm
Melting depth	0.3-3mm
Position system	CCD monitor
Positioning	Have (red light)
Application	SS / MS spot welding
Cooling type	Water cooling

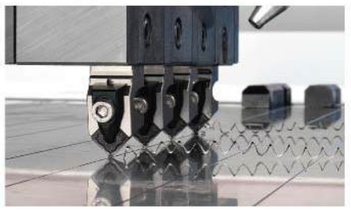
DECETEC SERIES

Gantry Servo CNC V Grooving Machine

- The machine is a full-servo CNC gantry-type V grooving machine.
- It adopts an advanced CNC control system with a newly optimized structural design.
- It offers high machining precision, easy operation, low noise, and no vibration.
- It is capable of processing V-grooves, U-grooves, and other special slot shapes on various sheet-metal materials, including stainless steel, aluminum, aluminum composite panels, copper, iron, rubber sheets, acrylic sheets, and other decorative boards.
- It is especially suitable for V-groove machining of sheet-metal parts prior to bending, ensuring higher bending accuracy and a better appearance of finished products.

Taiwan HUST
CNC Control System

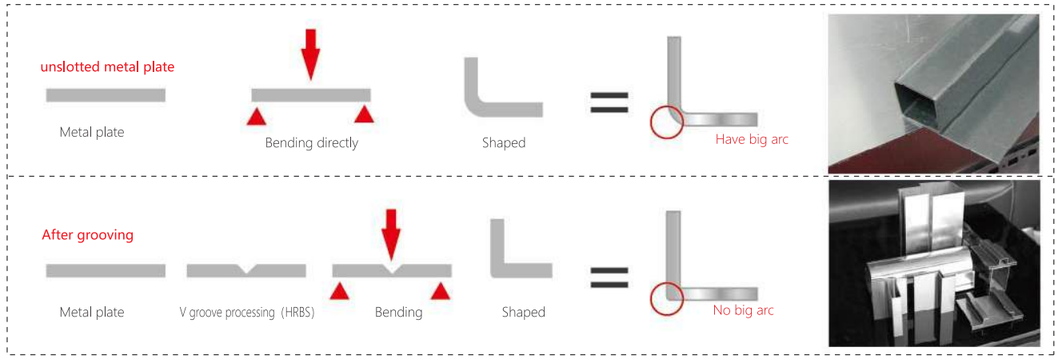
Thick and high-strength
frame structure



Imported Alloy
Tool Holder

DeCeTec

Comparison of Sheet Metal With and Without V-Grooving



TECHNICAL PARAMETERS

Model	3212	4012	6012
Machining Capacity			
Material	Stainless Steel / Carbon Steel	Stainless Steel / Carbon Steel	Stainless Steel / Carbon Steel
Cutting Length	3200 mm	4000 mm	6000 mm
Cutting Width	1220 mm	1220 mm	1220 mm
Material Thickness	0.6–4 mm (sheet flatness ≤ 3 mm)	Same	Same
Minimum Edge Distance	8 mm	8 mm	8 mm
CNC Specifications			
Control Type	4-axis CNC control (X1, Y1, Y2, Z)	Same	Same
Display	10" high-definition LCD	Same	Same
Memory Capacity	20 groups, 112 pieces/group (expandable via SD card)	Same	Same
Transmission System	Ball screw + Linear guide rail + Gear rack	Same	Same
Processing Speed			
X-axis Forward Cutting	50 m/min	50 m/min	50 m/min
X-axis Return Speed	60 m/min	60 m/min	60 m/min
Y1 & Y2 Axis Speed	20 m/min	20 m/min	20 m/min
Z-axis Stroke Speed	20 m/min	20 m/min	20 m/min
Machining Precision			
Y1-axis Resolution	0.01 mm	0.01 mm	0.01 mm
Y1-axis Stroke	1250mm	1250mm	1250mm
Z-axis Resolution	0.01 mm	0.01 mm	0.01 mm
Z-axis Max Stroke	125 mm	125 mm	125 mm
Driving System			
X-axis Motor	4.5 kW SEW Servo Motor	Same	Same
Y1-axis Motor	0.85 kW Yaskawa Servo Motor	Same	Same
Y2-axis Motor	0.85 kW Yaskawa Servo Motor	Same	Same
Z-axis Motor	0.85 kW Yaskawa Servo Motor	Same	Same
Clamping Device	Pneumatic + Hydraulic	Same	Same
Machine Dimensions			
Length	5200 mm	6000 mm	8000 mm
Width	2380 mm	2380 mm	2380 mm
Height	1850 mm	1850 mm	1850 mm
Machine Weight	6500 kg	7500 kg	11000 kg
Table Flatness	±0.02 mm/m	Same	Same
Main Power Supply	380V / 50Hz / 3 Phase	Same	Same

*Specifications are for reference only. Actual parameters may vary depending on the final product.

DECETEC SERIES

Servo CNC Vertical V Groover Machine

- This CNC V-grooving machine is an upgraded product of traditional models. Compared with conventional machines, it features strong load capacity, high speed, and high efficiency.
- The machine adopts a rigid frame structure with high-strength bolt connections, ensuring excellent overall rigidity and deformation resistance.
- The crossbeam is fixed, and the workpiece is positioned by the feeding mechanism, ensuring the worktable flatness remains within ±0.03 mm, providing high machining accuracy.
- The carbon steel worktable is quenched to HRC55 or above, providing high wear resistance, reduced surface wear, and significantly extending service life.
- The machine is equipped with a 5.6 kW servo motor. With four cutting tools working simultaneously, the maximum grooving depth is 1 mm, which is five times faster than traditional equipment in terms of cutting and return speed.

DeCeTec

Imported Alloy Cutting Blades

Alloy Pressing Foot & Clamping Jaw

Rear Sheet Support Rack

TECHNICAL PARAMETERS

No.	Technology Specification	Unit	Parameter	Remarks
1	Plate thickness	mm	0.6-4	
2	Processing length	mm	4000	
3	Processing width	mm	1250	
4	Cutting speed	m/mim	0-120	
5	Plate feeding speed	m/mim	0-20	
6	The Y axis minmum setting unit	mm	0.01	
7	The Y axis minimum setting accuracy	mm	±0.05	
8	The Z axis minimum setting unit	mm	0.01	
9	The Z axis minimum setting accuracy	mm	±0.05	
10	X axis motor power	KW	4.5	
11	Y axis motor power	KW	2	
12	Z axis motor power	KW	1	
13	Dimensions(L*W*H)	mm	5800×2300×1780	
14	The power of the hydraulic system	KW	1.5	
15	Table flatness	mm	±0.03	

*Specifications are for reference only. Actual parameters may vary depending on the final product.

Specification

No.	Model	Dimensions(L*W*H))
1	1250×3200	5000mm×2300mm×1780mm
2	1250×4000	5100mm×2300mm×1780mm
3	1250×5000	6800mm×2300mm×1780mm
4	1250×6000	7800mm×2300mm×1780mm
5	3200×4000	5800mm×4300mm×1780mm

Main Configuration

No.	Technology Specification	Specifications	Product Brand	Manufacturer
1	HUST CNC Control System	10" color LCD	HUST	Taiwan
2	Tool Holder Servo Motor	1 kW	HUST	Taiwan
3	Front Feed Servo Motor	2 kW	HUST	Taiwan
4	High-Power Servo Motor	4.5 kW	HUST	Taiwan
5	Linear Guide Rail	—	Silver / ABBA	Taiwan
6	Ball Screw	—	Silver / ABBA	Taiwan
7	Cooling System	—	Bechl	German Joint Venture
8	Other Low-Voltage Electrical Components	—	Schneider	France
9	Machine Cables	—	Igus	Germany
10	High-Speed Steel & Alloy Cutting Blades	—	Cloy	Korea

*Specifications are for reference only. Actual parameters may vary depending on the final product.

JH/JF21 SERIES

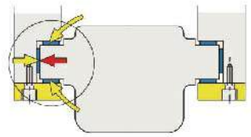
Pneumatic Punching Machine

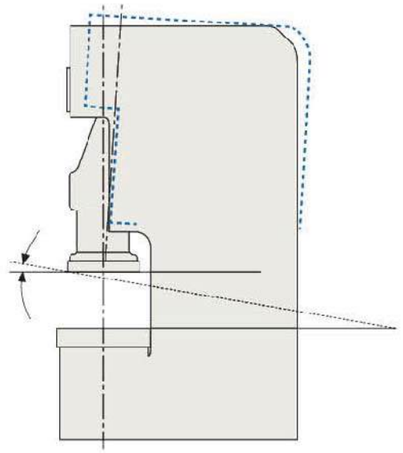
- Equipped with a pneumatic friction clutch and brake for smooth engagement, reduced wear, and long service life.
- The electrical system adopts PLC control with inching, single, and continuous operation modes.
- The slider features a safety overload protection device to prevent damage to the machine.
- Offers high precision, excellent performance, and easy operation.
- Can be equipped with an automatic feeding system to achieve fully automated punching operations.

DeCeTec

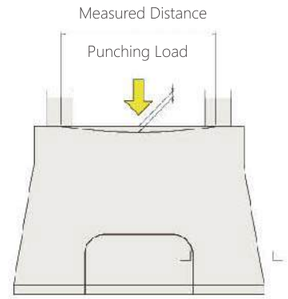
SUPER RIGID FRAME

- Optimized structural rigidity
  Greatly improves stamping precision
  Effectively extends die service life





MINIMIZED FRAME DEFLECTION



Technical Specifications			JH/JF21-60	JH/JF21-80	JH/JF21-100	JH/JF21-125	JH/JF21-160	JH/JF21-200
Nominal Capacity		Kn	600	800	1000	1250	1600	2000
Slide Stroke		mm	140	160	180	180	200	250
Strokes Per Minute (SPM)	Single Speed		70	60	60	55	50	45
	Stepless Speed		50-80	40-75	35-70	35-65	30-55	25-45
Maximum Shut Height		mm	300	320	350	370	400	450
Shut Height Adjustment		mm	70	80	90	90	100	110
Distance from Slide Center to Frame		mm	270	290	350	370	390	430
Distance Between Uprights		mm	560	650	680	710	720	900
Table Size (F-B / L-R)	F-B	mm	520	650	680	720	760	840
	L-R	mm	870	1000	1070	1120	1170	1390
Table Die Opening Size (Diameter)	Diameter	mm	150	150	160	160	/	/
Slide Bottom Size (F-B / L-R)	F-B	mm	400	430	520	520	580	880
	L-R	mm	480	560	620	620	700	650
Die Shank Hole Size (Dia / Depth)	Diameter	mm	50	60	70	70	70	70
	Depth	mm	60	80	80	80	100	100
Overall Dimensions (L / W / H)	F-B	mm	1615	1915	2200	2300	2355	2690
	L-R	mm	1200	1382	1419	1480	1515	1540
	Height	mm	2570	2820	3190	3220	3250	3810
Motor Power		Kw	7.5	7.5	11	15	15	18.5

*Specifications are for reference only. Actual parameters may vary depending on the final product.

DECETEC SERIES

Hydraulic Riveting Machine

Increase Productivity with Hydraulic Press-Riveting Solutions

- Today's manufacturers understand that faster growth comes from higher efficiency — and that means meeting everyday production demands with speed and precision.

DeCeTec

Features

- Full hydraulic drive system with a high-quality Taiwan hydraulic pump
- Throat height: 380 mm, throat depth: 500 mm, riveting stroke: 110 mm
- Adjustable upper slide return height for flexible process settings
- Adjustable pressure-holding time to ensure reliable riveting quality
- Stepless adjustable riveting pressure to fit different fasteners and materials
- Riveting can be performed at any position the punch contacts, allowing high flexibility

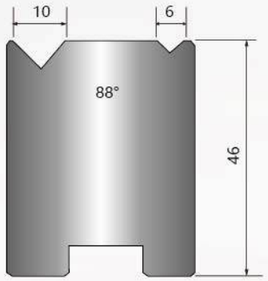
TECHNICAL PARAMETERS

Item	Specification	Item	Specification
Drive Type	Full Hydraulic	Working Speed	3 cm/s
Output Pressure Range	0–10 tons	Safety Protection	Standard
Throat Depth	500 mm / 650 mm (optional)	Laser Positioning	Optional
Throat Height	360 mm	Hard Stop	Optional
Pressure Repeatability	±1%	Anti-Rotation Device	Optional
Total Stroke	200 mm	Motor Power	3.75 kW
Adjustable Stroke	200 mm	Machine Weight	600 kg
Pressure-Holding Time	0–9.9 s	Machine Dimensions	800 × 750 × 1800 mm

*Specifications are for reference only. Actual parameters may vary depending on the final product.

BJX002

H	A	R	T/M
46	86°/88°	0.3	60



BJX003

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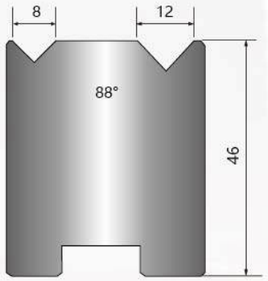

BJX004

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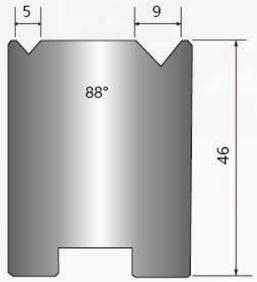

BJX005

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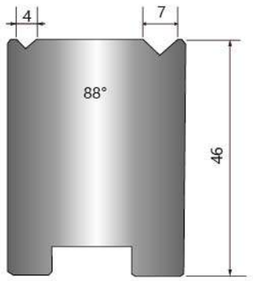

BJX006

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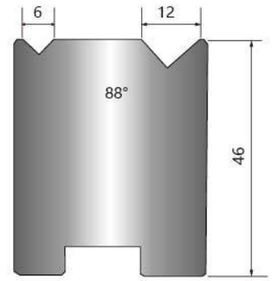

BJX007

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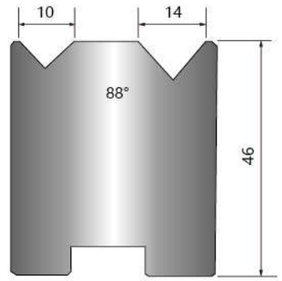

BJX008

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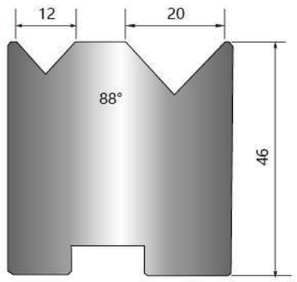

BJX009

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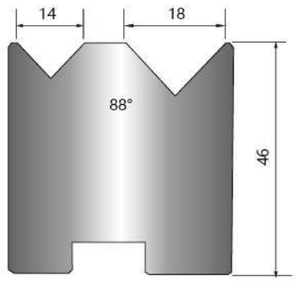

BJX010

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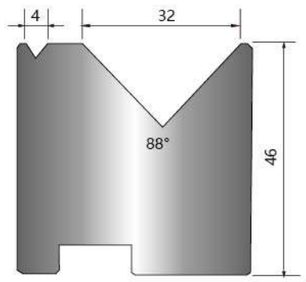

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BJX011

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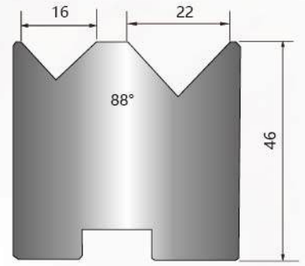

BJX012

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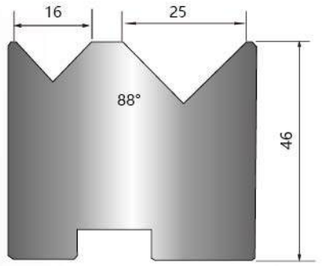

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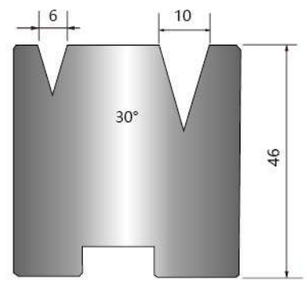
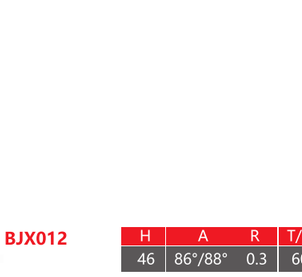


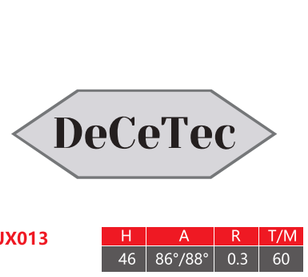
BJX014

BJX015



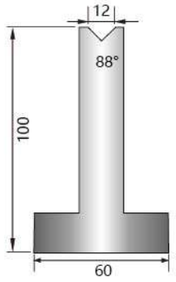
BJX016

H	V	A	T/M
46	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



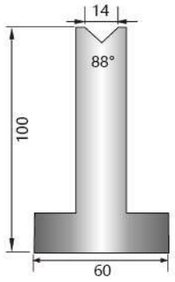
BJX017

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



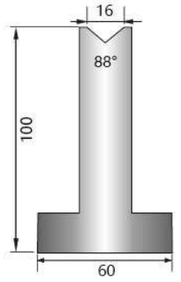
BJX018

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



BJX019

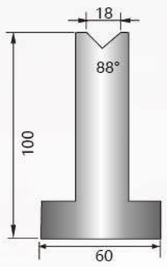
H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



DeCeTec

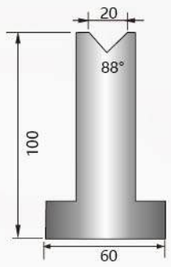
BJX020

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



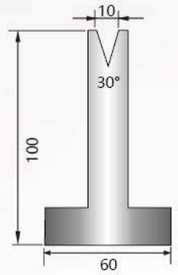
BJX021

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



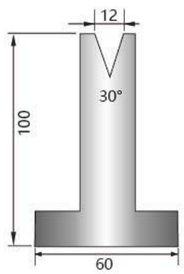
BJX022

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



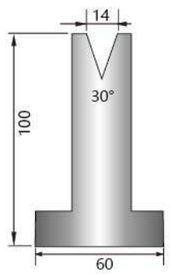
BJX023

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



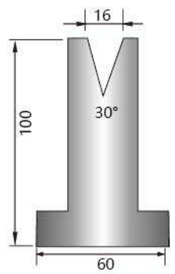
BJX024

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



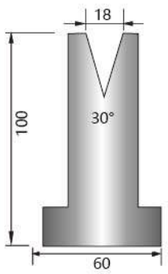
BJX025

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



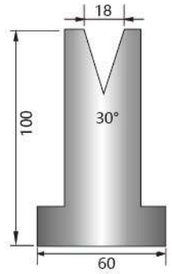
BJX026

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



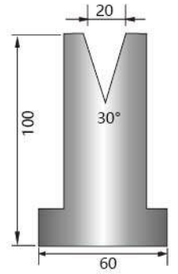
BJX027

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



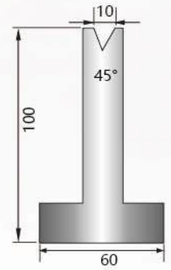
BJX028

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



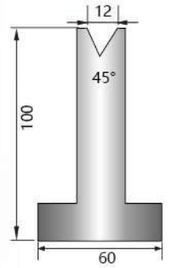
BJX029

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



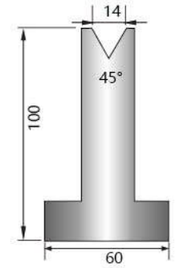
BJX030

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



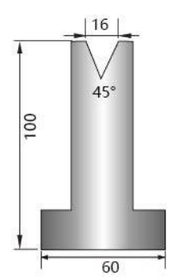
BJX031

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



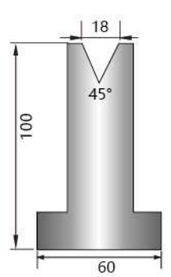
BJX032

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



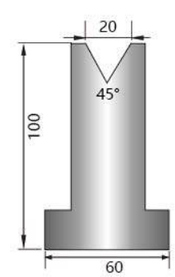
BJX033

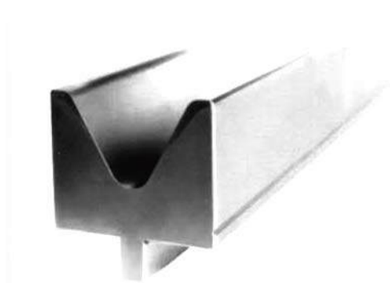
H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	

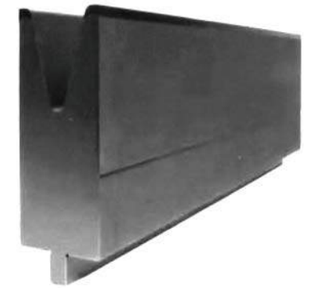


BJX034

H	V	A	T/M
80	6810	30°	60T
100	1214 1618	40° 60°	
120	20	88°	



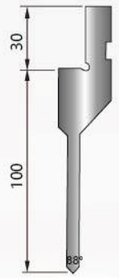




DeCeTec

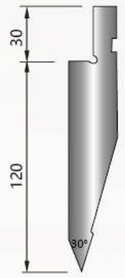
BJS001

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



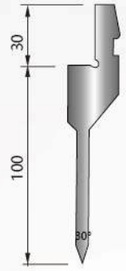
BJS002

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



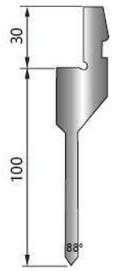
BJS003

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



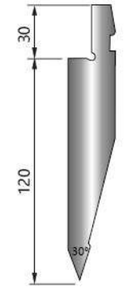
BJS004

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



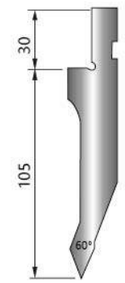
BJS005

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



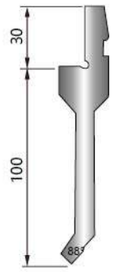
BJS006

H	A	R	T/M
100	60°	0.3 0.5	60T
120		0.3 0.5	



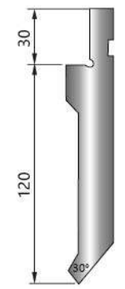
BJS007

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



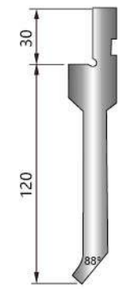
BJS008

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



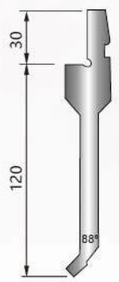
BJS009

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



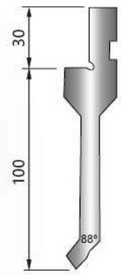
BJS010

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



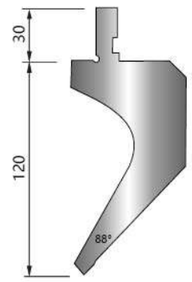
BJS011

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



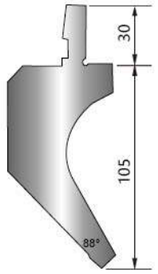
BJS012

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



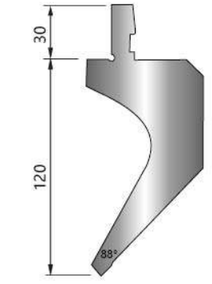
BJS013

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



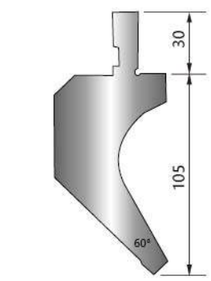
BJS014

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	

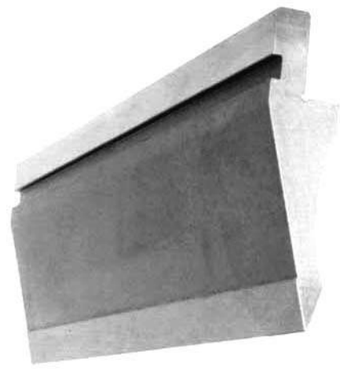


BJS015

H	A	R	T/M
100	60°	0.3 0.5	60T
120		0.3 0.5	

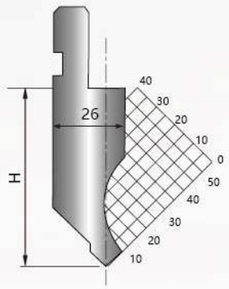


BJS016



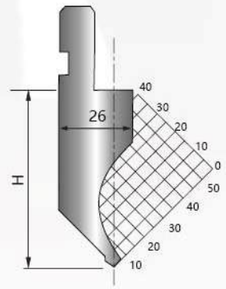
BJS10.10 90° 88°

A	R	H	T/M
90°	0.8	66.66	100
88°	0.8	66.66	100
88°	3	66.56	100
90°	0.25	66.62	100
88°	0.25	66.62	100



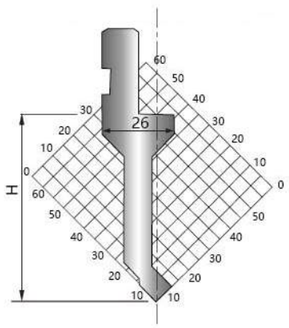
BJS116 90° 88°

A	R	H	T/M
90°	0.6	66.42	35
88°	0.6	66.42	35
90°	0.25	66.38	35
88°	0.25	66.38	35



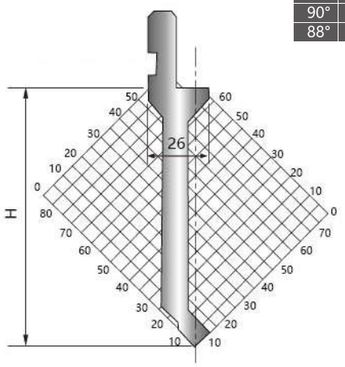
BJS200 90° 88°

A	R	H	T/M
90°	0.2	69.66	50
88°	0.2	69.66	50



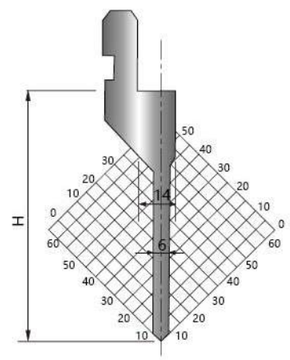
BJS202 90° 88°

A	R	H	T/M
90°	0.6	99.42	50
88°	0.6	99.42	50
90°	0.25	99.42	50
88°	0.25	99.42	50



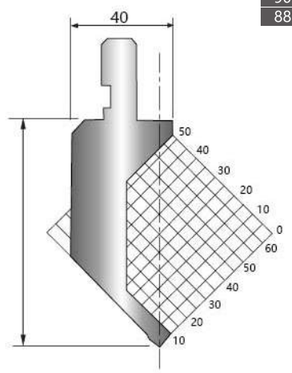
BJS109 90° 88°

A	R	H	T/M
90°	0.6	94.42	50
88°	0.6	94.42	50
90°	0.25	94.38	50
88°	0.25	94.38	50

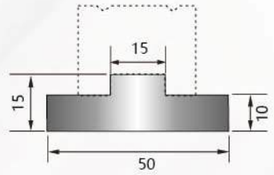


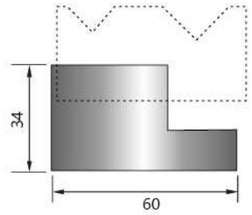
BJS16 90° 88°

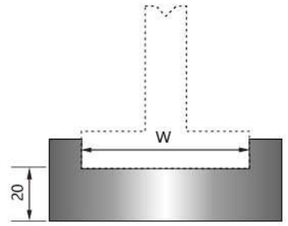
A	R	H	T/M
90°	0.6	84.20	20
88°	0.6	84.20	20

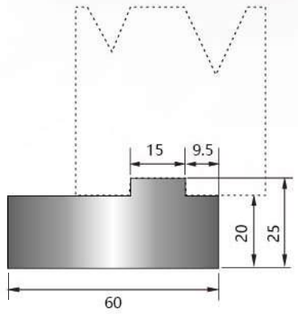


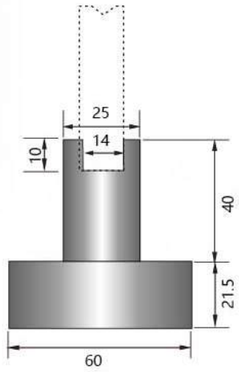
DeCeTec

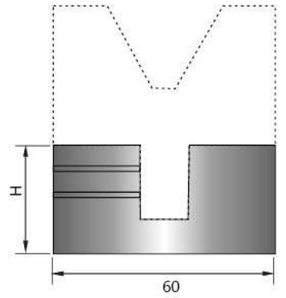


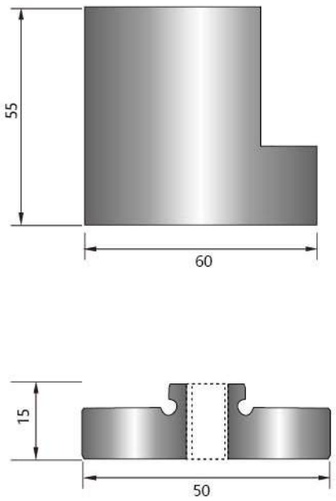


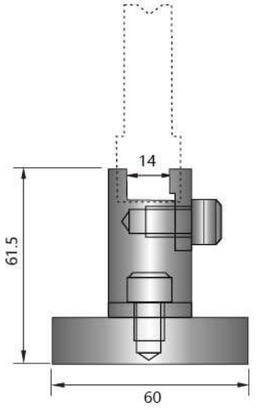


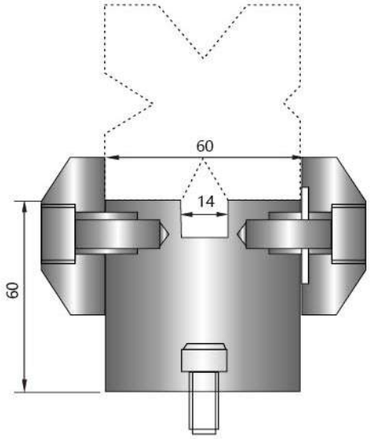






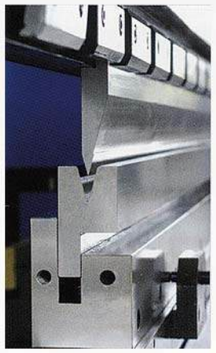






DeCeTec

PRESS BRAKE TOOL




CUTTING MACHINE BLADE