KCORP

AUTOMATIC CHANNEL-LETTER BENDING MACHINES

INDEX

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IPS

S9710

MULTI-FUNCTIONAL AUTOMATIC CHANNEL-LETTER BENDING MACHINE

kcorpindia

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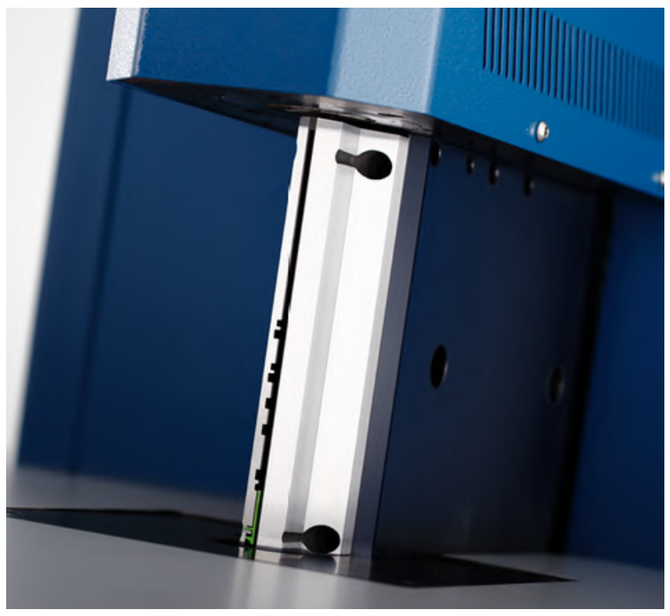
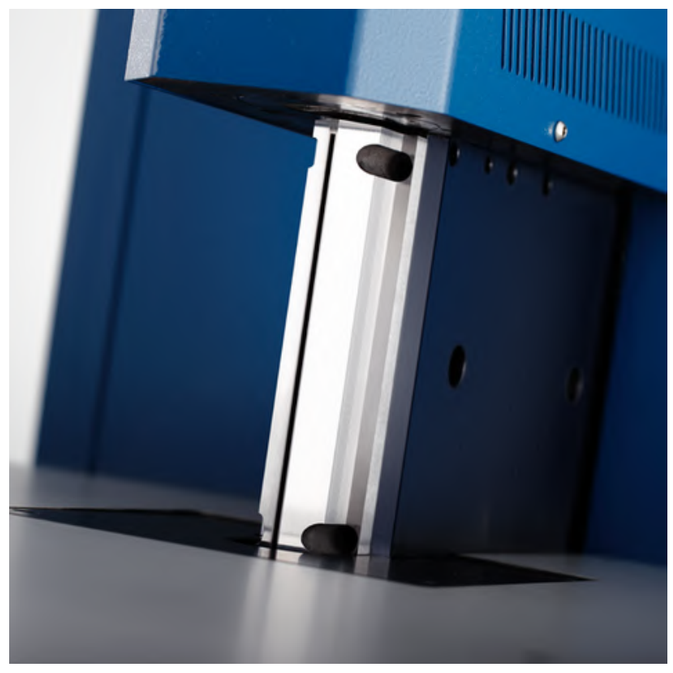
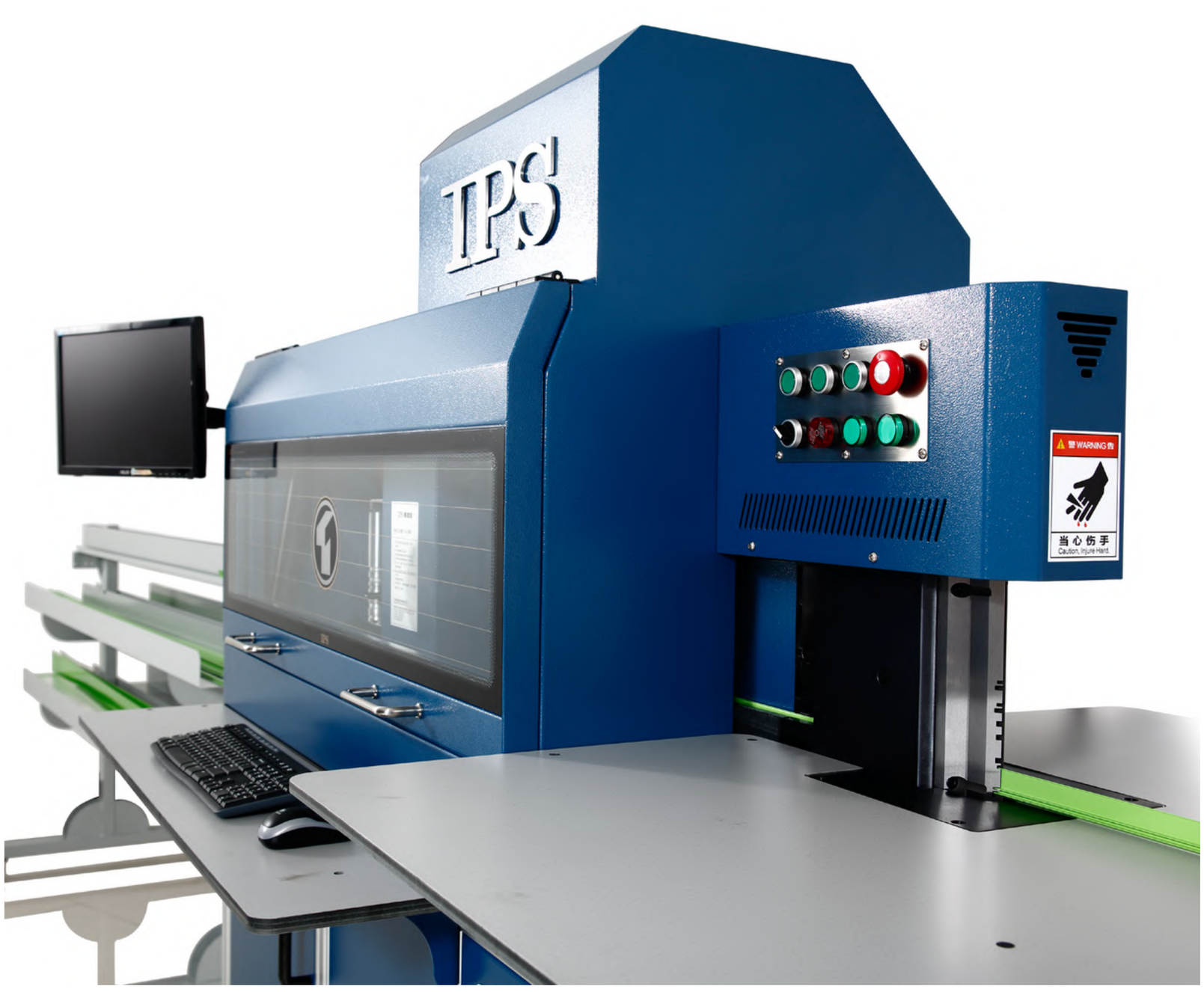
FEATURES

TPS-S9710 uses a multi-tool bar bending system and mould quick-change system to accurately bend materials, and truly realizes the all-round super bending word that integrates aluminium materials, stainless steel, galvanized sheets, and chanalium materials with high efficiency and accurate bending. machine. It is the first choice of high-end equipment for the production of LED letters, aluminum profile letters, stainless steel letters, punching letters, resin letters and other letters.







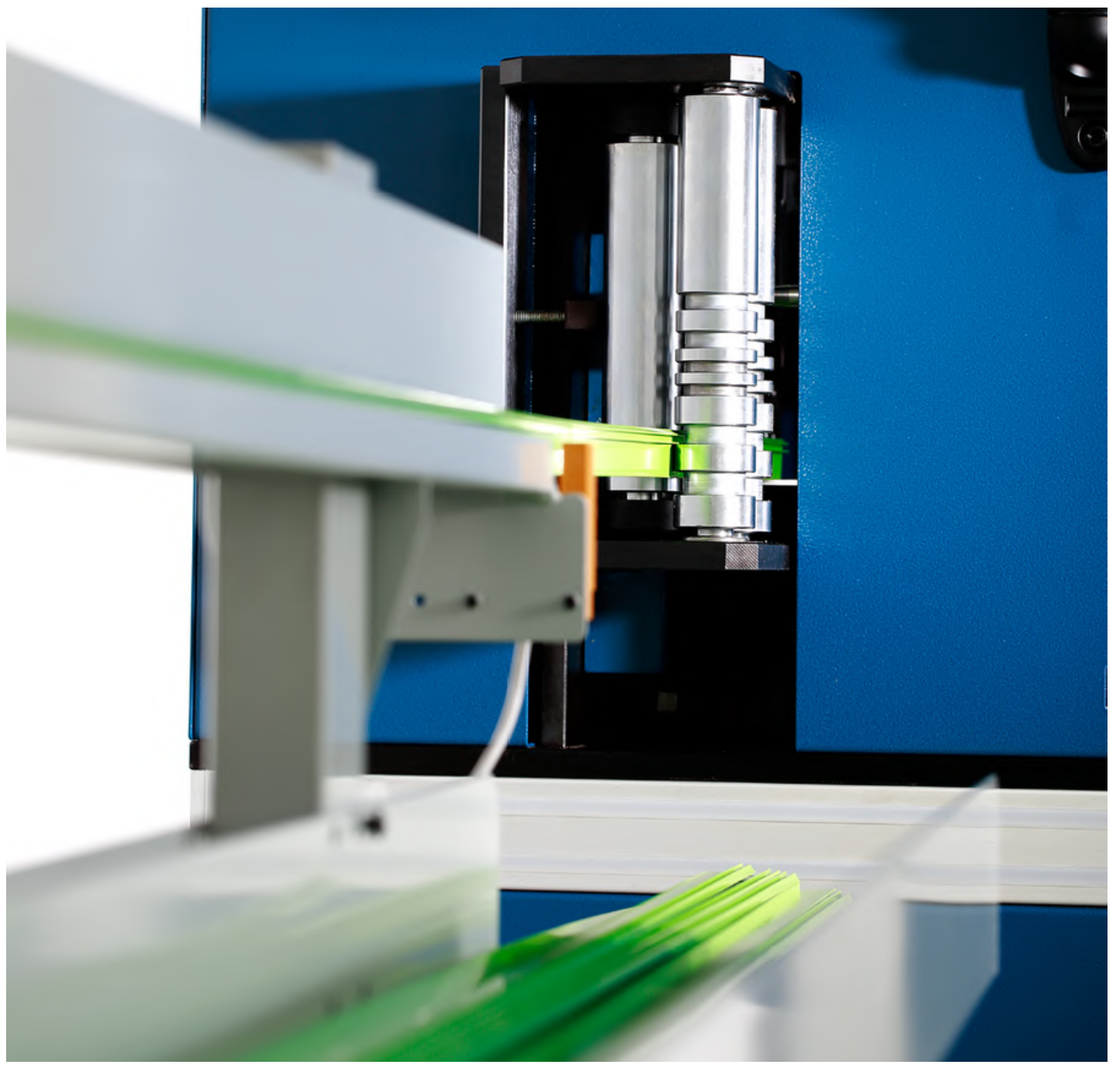
- **Bending stress database**

Different material types and thicknesses make different spring-backs when bending, so the control system needs to be able to adjust the bending pressure according to the material conveniently and quickly when switching materials. On the basis of in-depth research on a variety of materials, TPS has revolutionized this process. Only one pressure parameter needs to be adjusted, and the calculation of all pressure parameters is intelligently made through the algorithm built into the system. The user just needs to select the corresponding material from the database when switching materials, and the material can be switched at any time without the need for a cumbersome adjustment process, which greatly reduces the burden of the operator.

FEATURES

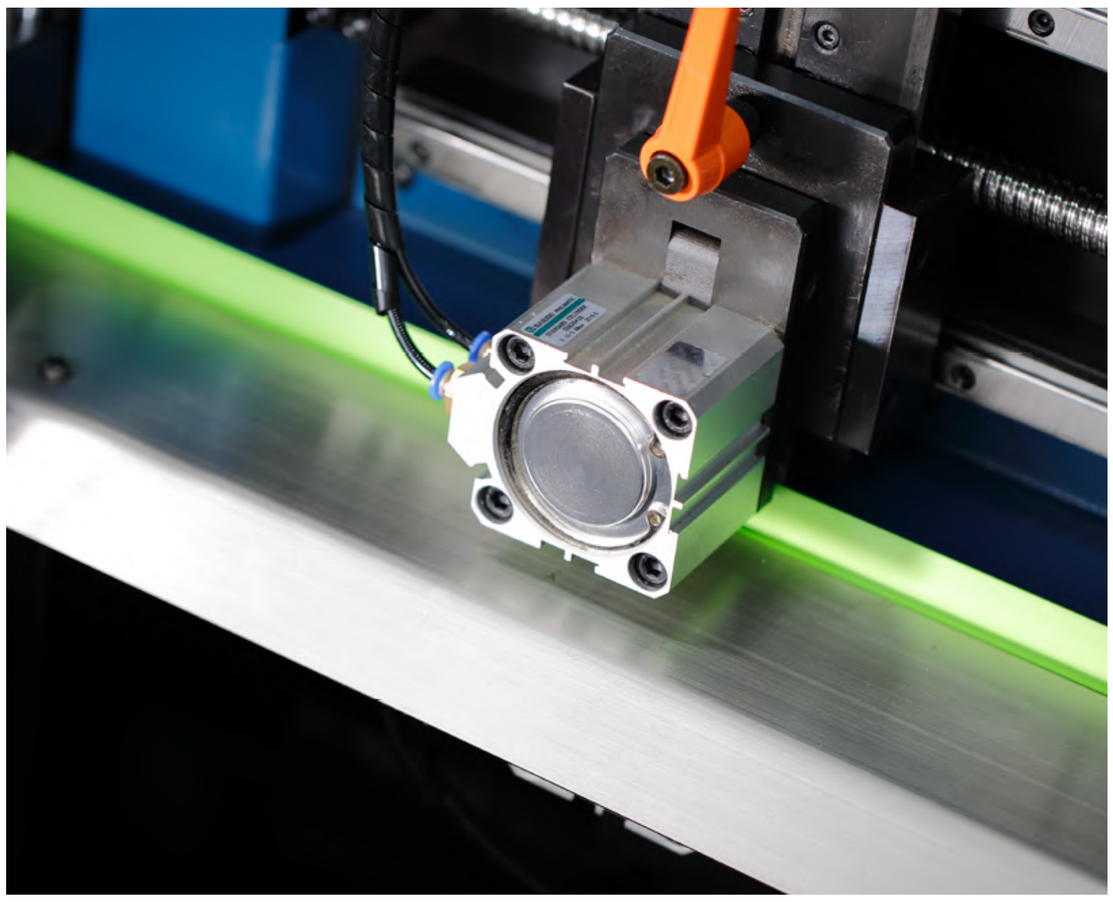
- **Laser loss compensation**

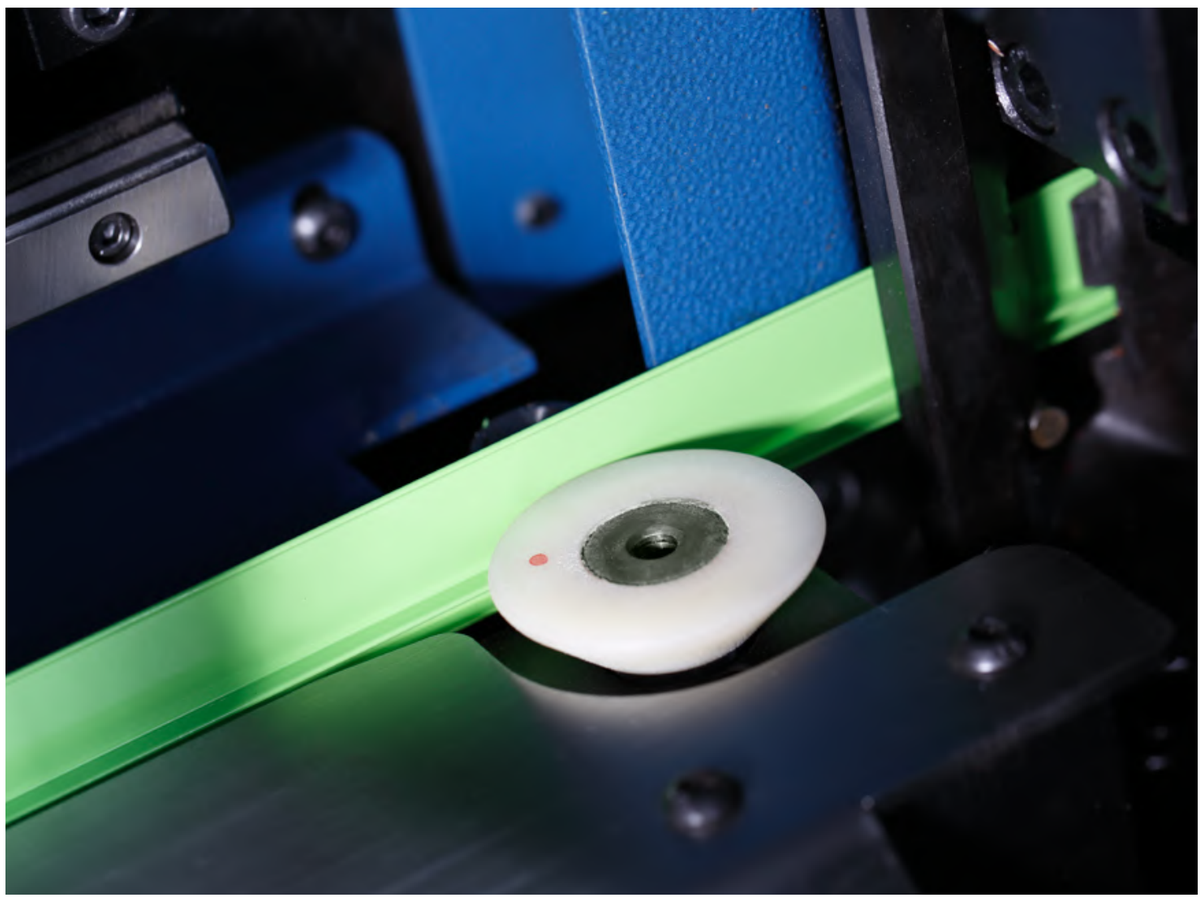
Because of the laser spot radius, the cut panel letter has a certain deviation from the original file. TPS inventively solves the problem with laser loss compensation method. The software can calculate the laser loss and automatically compensate for it. It improves the intelligence of the operation process and the user doesn’t have to modify the image repeatedly to compensate for the laser loss.



- **Built-in Word Processor**

It is usually needed to zoom the original file for different word processes. But the TPS software can manage different font sizes letters in the same file using the built-in word processor





TECHNICAL PARAMETERS

Power Supply	AC200V
Power	5.0 kW
Compressed Air	0.4 – 0.6 MPa
Control Axis Quantity	7 axes
Min. Bending Radius	Stainless Steel (7mm), Aluminium Profile (20 mm)
Min. Distance between Interior Angle and Exterior Angle	Stainless Steel (4 mm), Aluminium Profile (15 mm)
Bending Distance from Start	Stainless Steel (4 mm), Aluminium Profile (10 mm)
Applied Materials	Stainless Steel, Galvanised Sheet, Aluminium Coil, Aluminium Profile
Material Thickness	Aluminium Profile (1.0 – 2.0 mm) Rest (0.6 -1.0 mm)
Processing Height	20 – 180 mm
Material Feeding Method	Alternate feeding
Motors	4 pcs (Servo) + 3 pcs (Step)
Net Weight	900 kgs

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S1800

AUTOMATIC CHANNEL-LETTER BENDING MACHINE WITH NOTCHING AND FLANGING

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www.kcorpindia.com

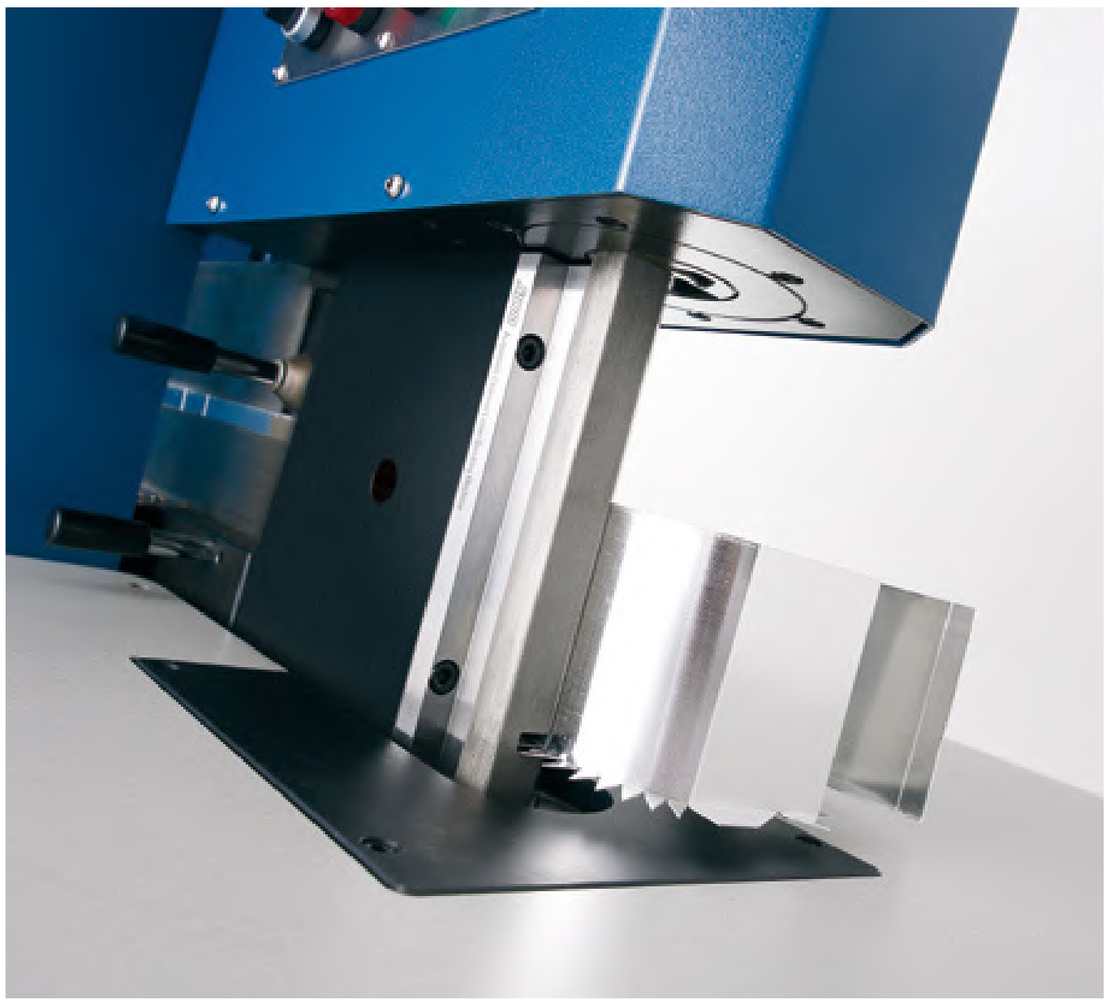
FEATURES

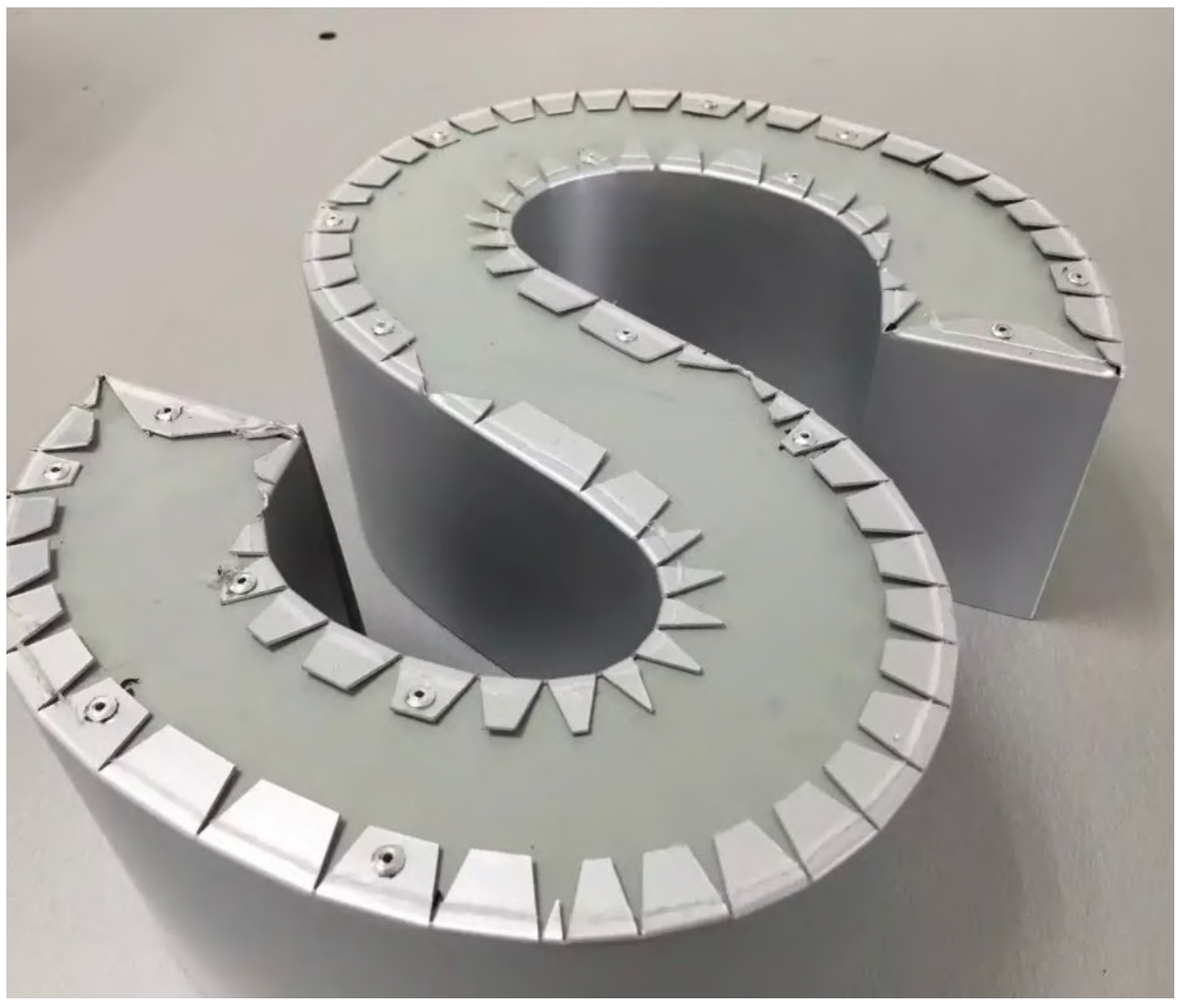
TPS-S1800 automatic channel-letter bending machine is based on the TPS-S8900 model. It not only has all the features of the S8900 model but also supports automatic notching and flanging methods. It uses a multi-bar bending system and a mould quick-change system to accurately bend the material. It is the first choice of high-end equipment for high letters, stainless steel letters, punching letters, resin letters, and giant luminous letters.

- The unique telescopic alternating bending mode reduces bending scratches, reduces interference in the bending process, improves bending torque, and achieves high-precision bending
- High-precision, built-in closed-loop detection of the feeding length ensures that the deviation between the total length of the finished product and the original file is less than 0.1mm, and ensures the consistency of repeated production of the same file
- High precision of bending, and the degree of coincidence with flat letters cut by various precision equipment is more than 98%
- Low slotting cost, German imported high-hardness special stainless steel slotting tool
- Intelligent bending process - intelligent inspection system reduces interference and collision in bending process

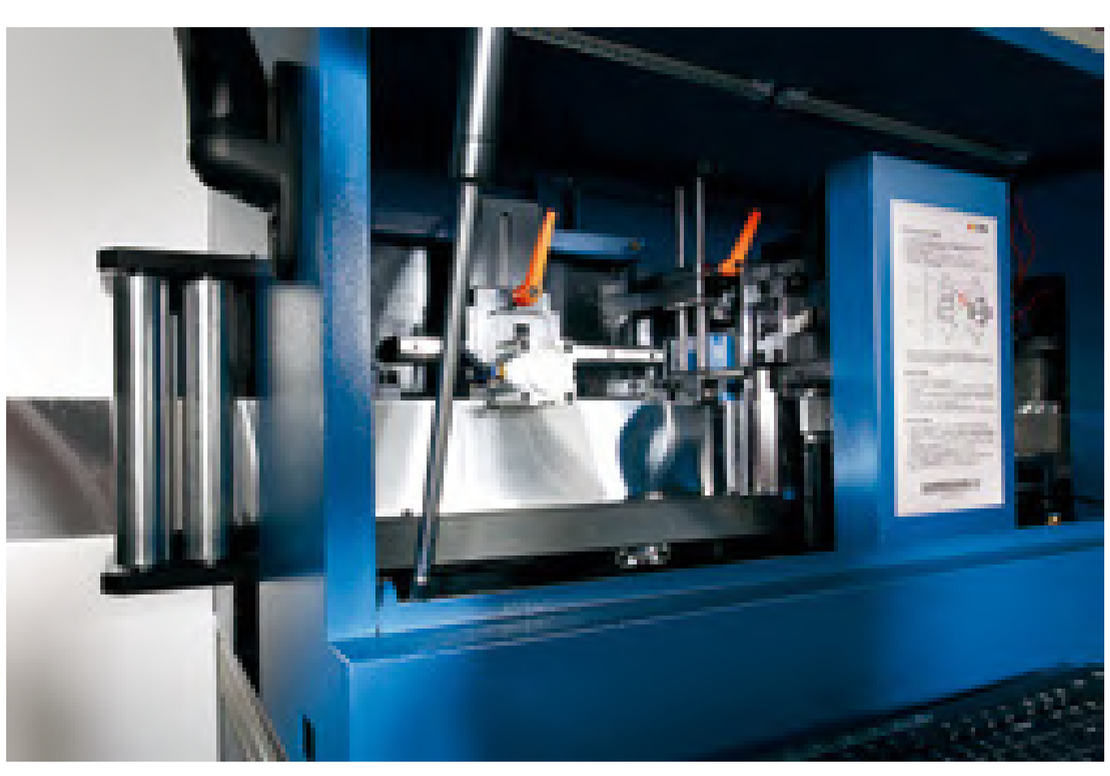
FEATURES

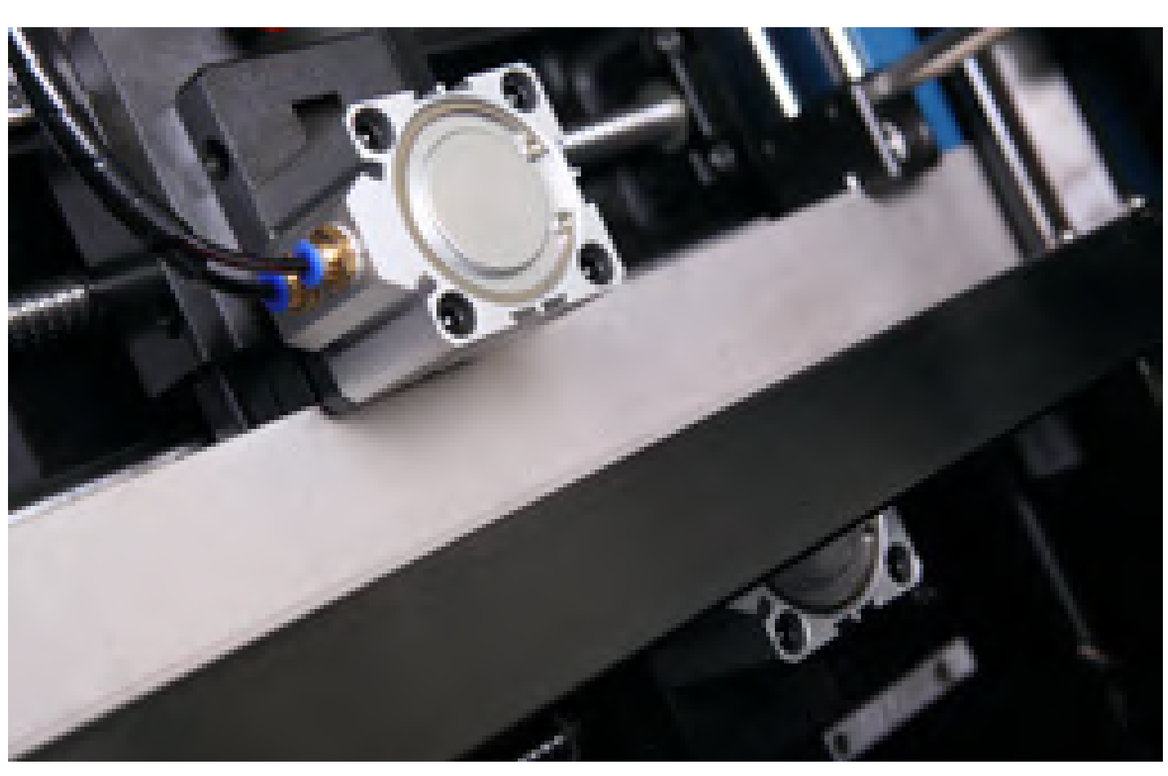
- High feeding speed- the unique alternative clamping synchronous feeding type can reach its highest speed at 20M/min and makes material rolling and skidding impossible
- Precise and controlled groove depth-it controls the depth of groove by numerical control axis and this meets requirements of different thicknesses





- Servo motor for notching function with high speed, pneumatic flanging for right angle and no burrs with notching
- Intelligent compensation for bending rebound. Set with an intelligent compensation system by TPS based on their several years of R&D experience. This system assures precision for all kinds of material.
- Free updates for the operating system for life
- Professional, efficient and considerate service





TECHNICAL PARAMETERS

Power Supply	AC200V
Power	4.0 kW
Compressed Air	0.4 – 0.6 MPa
Control Axis Quantity	5 axes
Min. Bending Radius	7 mm
Min. Distance between Interior Angle and Exterior Angle	4.5 mm
Bending Distance from Start	3 mm
Applied Materials	Stainless Steel, Galvanised Sheet, Aluminium Coil
Material Thickness	0.6 - 1.0 mm
Processing Height	SS, Galvanised Sheet (20 - 175 mm) Aluminium Coil (50 - 175 mm)
Material Feeding Method	Alternate Double Screws Rails Feeding
Notching Type	Controlled by Servo Motors
Notching Angle	30° / 120°

TECHNICAL PARAMETERS

Flanging Type	Pneumatic Flanging for Right Angle
Flanging Width	14 mm
Motors	4 pcs (Servo) + 1 pc (Step)
Weight	900 kgs (Gross), 800 kgs (Net)
Dimensions	2290(L) x 860(W) x 1560(H) mm

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S8710

MULTI-FUNCTIONAL AUTOMATIC CHANNEL-LETTER BENDING MACHINE

kcorpindia

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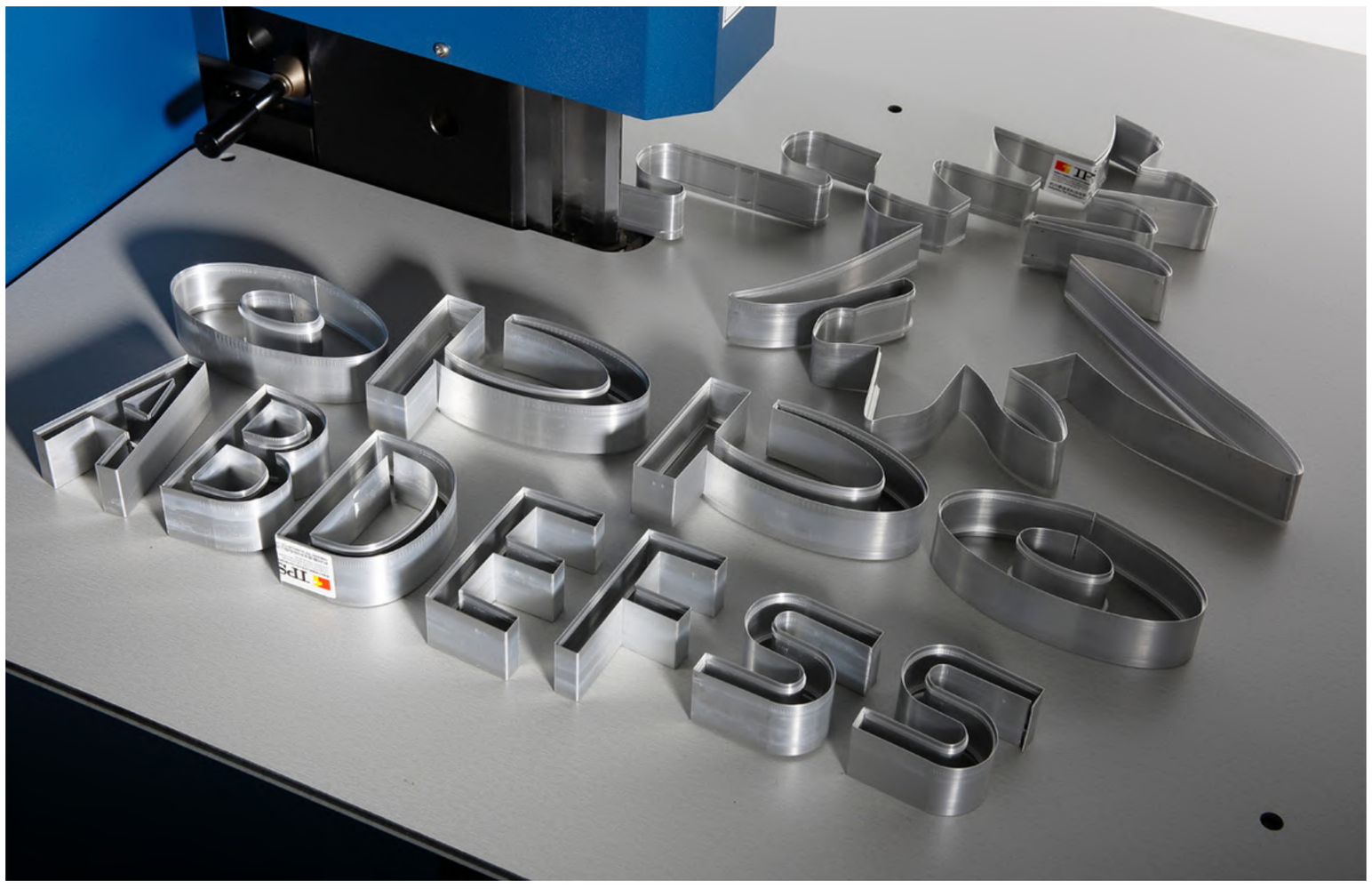
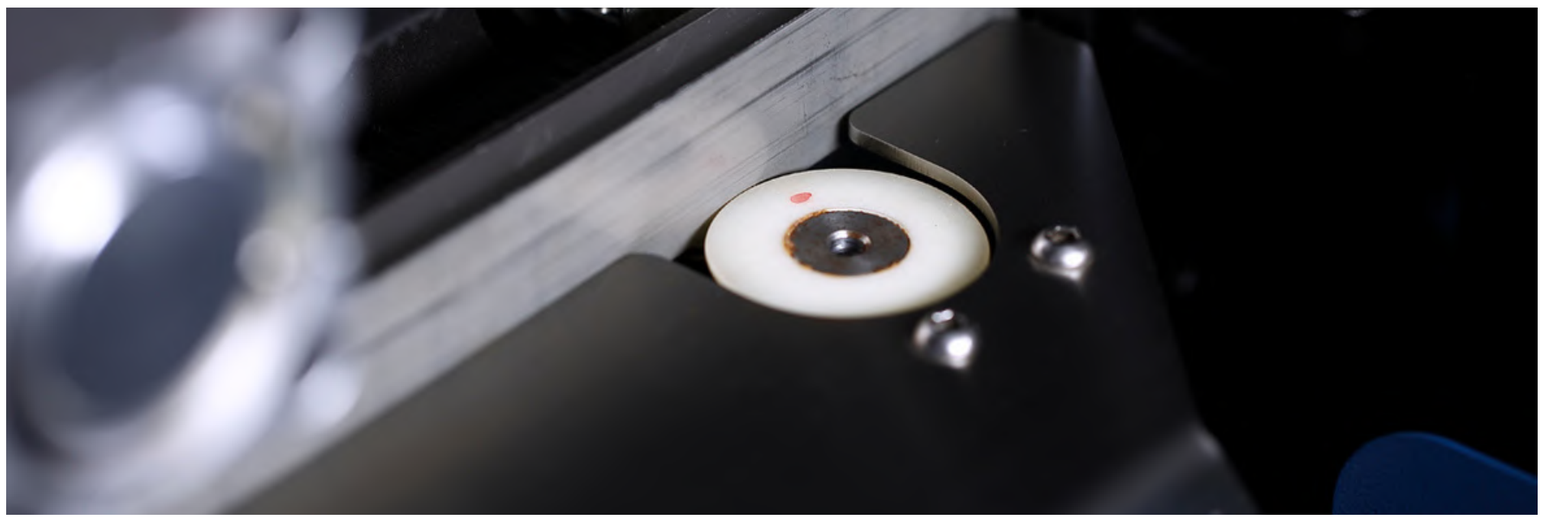
FEATURES

TPS-S8710, automatic channel letter bending machine, is based on the TPS-S9710 model, inheriting its best features while keeping the equipment cost pocket friendly. It has the ability to bend stainless steel, galvanised sheet, aluminium coil and special aluminium profiles. It is a great choice of equipment for high letters, stainless steel letters, punching letters, resin letters, etc.





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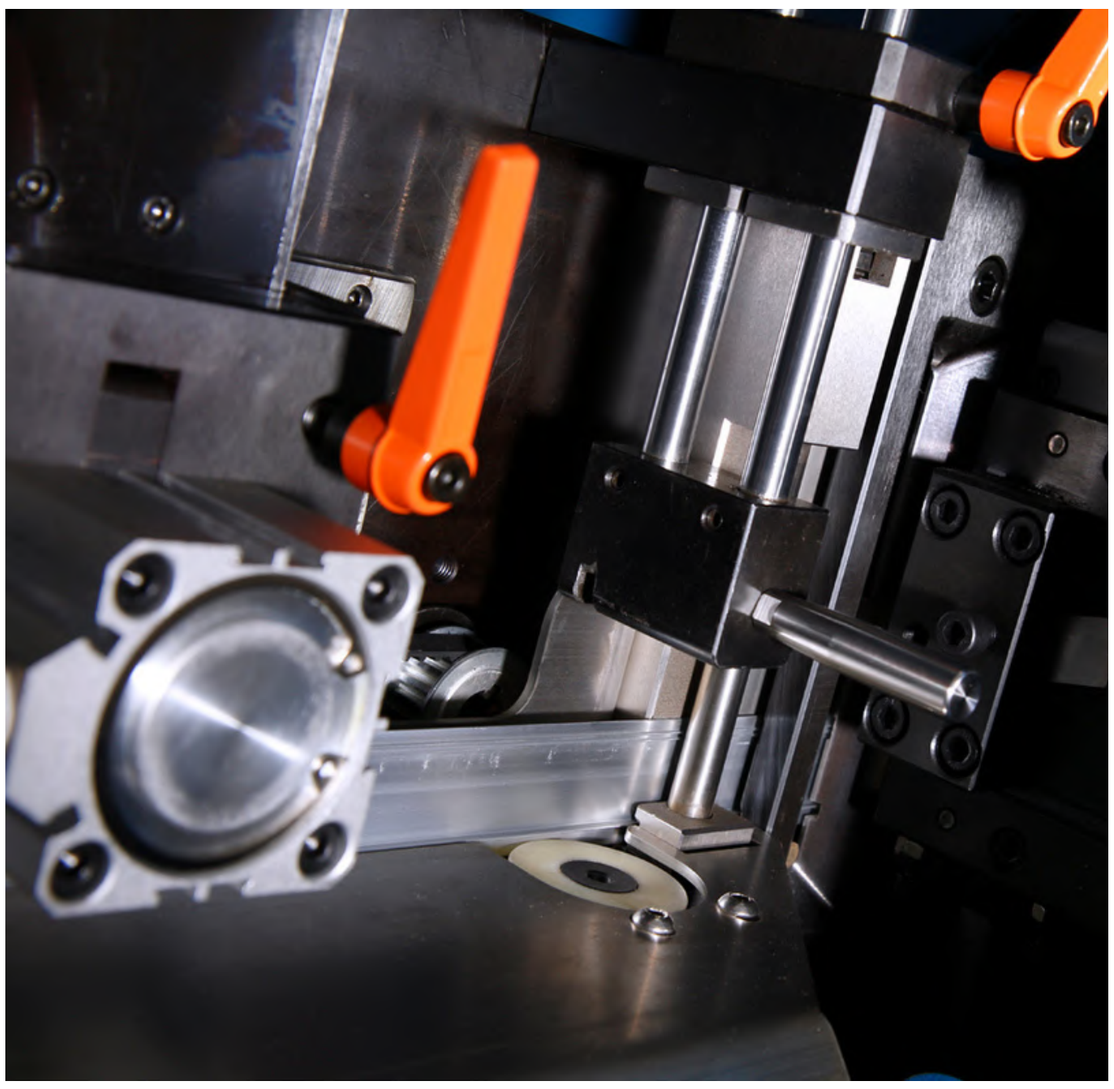

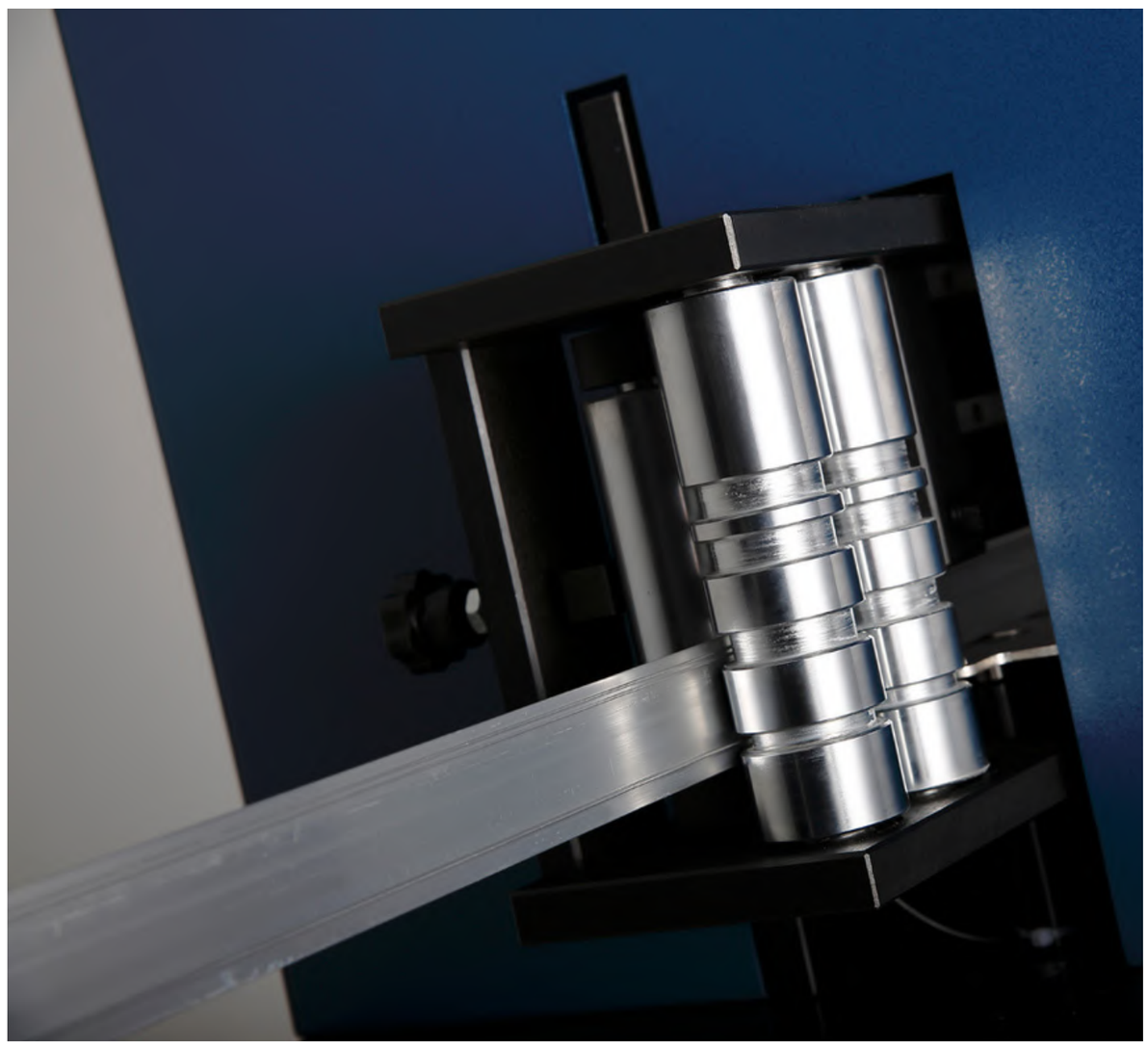

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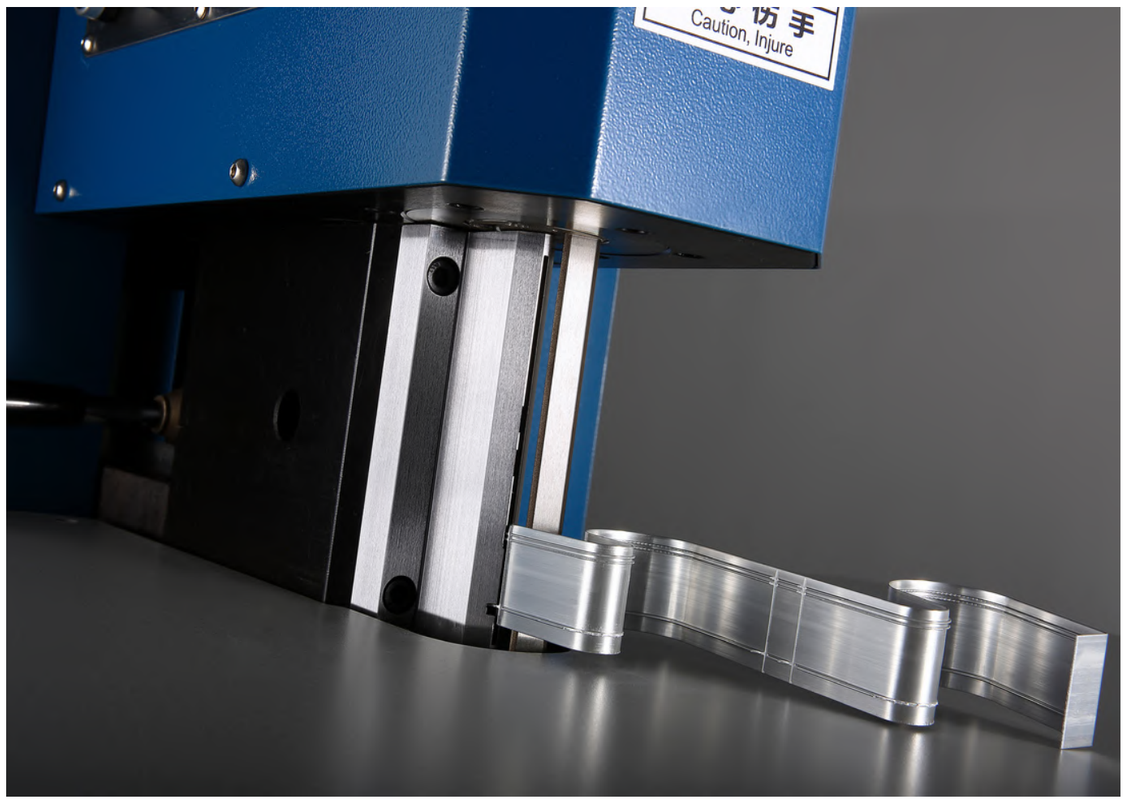

TECHNICAL PARAMETERS

Power Supply	AC200V
Power	2.2 kW
Compressed Air	0.4 – 0.6 MPa
Control Axis Quantity	4 axes
Min. Bending Radius	7 mm
Min. Distance between Interior Angle and Exterior Angle	4.5 mm
Bending Distance from Start	3 mm
Applied Materials	Stainless Steel, Galvanised Sheet, Aluminium Coil, Aluminium Profile
Material Thickness	Aluminium Profile (1.0 mm) Rest (0.6 -1.0 mm)
Processing Height	Aluminium Profile (35/60/80 mm) Rest (20 - 110 mm)
Material Feeding Method	Alternate Feeding
Motors	2 pcs (Servo) + 2 pcs (Step)
Weight	480 kgs (Gross), 400 kgs (Net)

GET IN TOUCH

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