

# Three-In-One CNC Channel Letter Bender Machine

(Model: PEL-700)



1. Can bend Flat Aluminum Tape
2. Single & Double Aluminum Trim Cap
3. Stainless Steel & Iron Plate

### 1.

*Three functions  
in one*

### 2.

*Two working  
systems*

### 3.

*No need to  
exchange the  
cutter knife*

### 4.

*3 to 5 minutes  
to change the  
bending axis*

1.Three-in-one cnc bending machine, can bend Flat Aluminum Tape, Single & Double Aluminum Trim Cap, Stainless Steel & Iron Plate. Wide range of applications: PEL-700 CNC Bending machine can process 1.2mm strip of aluminum, 1mm Stainless Steel and iron plate and other metal sheet.

2.Two working systems and different bending axis, one for stainless steel and iron plate, the other for aluminum.

3.No need exchange the cutter knife. Just need to convert into another system.

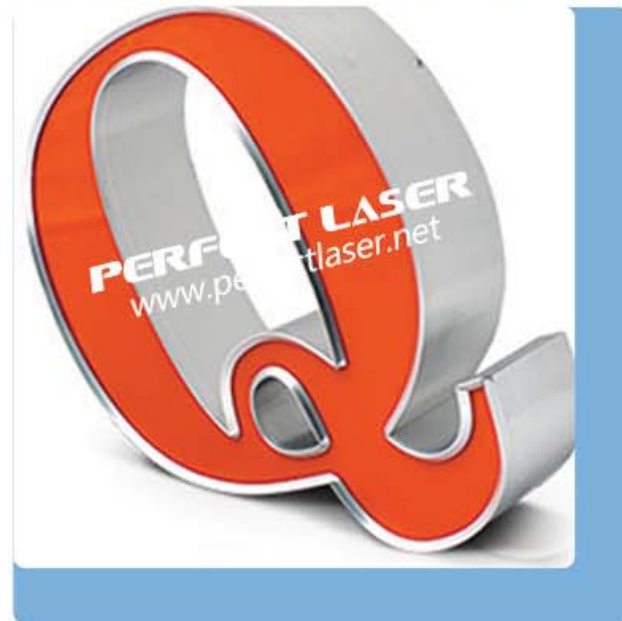
4.Convenient to change the bending axis , only 3 to 5 minutes to save time and improve efficiency.

5.Automatic control instead of manpower control.

6.Automatically feed, notch for two sides (angel 45°-135°), and roll Japanese linear module (screw drive), precision motor clamp.



Model	PEL-700
Function	Automatic feeding , slotting and bending
Available material	Flat Aluminum Tape, Single & Double Aluminum Trim Cap, Stainless Steel & Iron Plate
Slot angle	45°-135° ( just for aluminum )
Bending radius	≥10mm
Material width	≤128mm
Material thickness	Aluminum 0.3-1.2mm, stainless steel≤1mm
Power	≤1800W
Machine size	1850mm*880mm*1300mm
Machine weight	400kg
Voltage	<b>PERFECT LASER</b> www.perfectlaser.net 220V
Working Air pressure	0.6Mpa





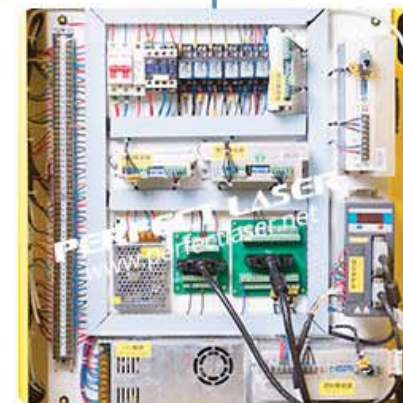
Switch button



Bending System



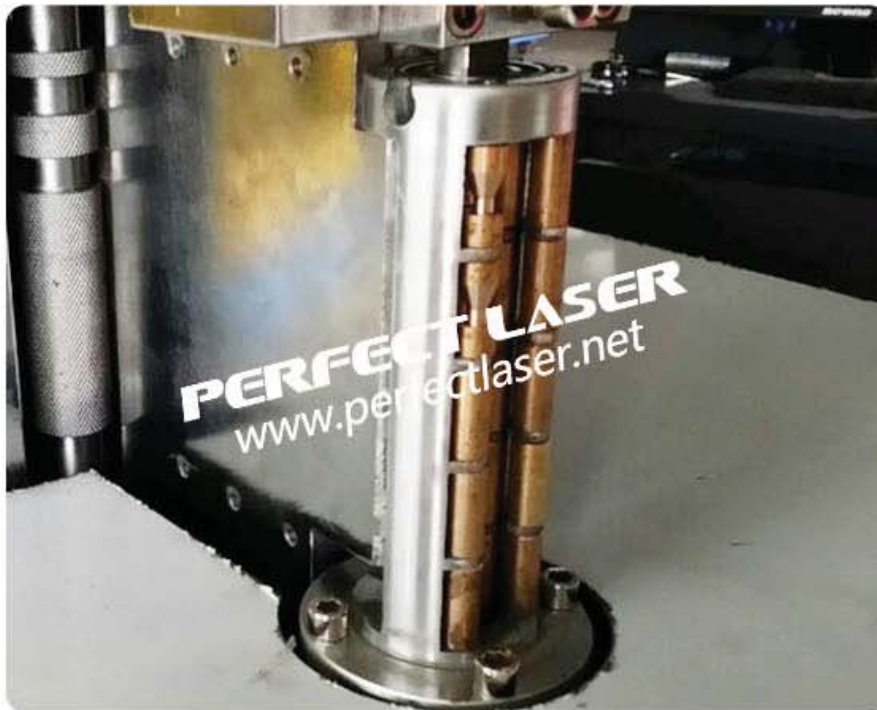
Slotting system



Control System

# 1 Bending System

Three-In-One CNC Channel Letter Bender: Can bend Flat Aluminum Tape, Single & Double Aluminum Trim Cap, Stainless Steel & Iron Plate



**PERFECT LASER**  
[www.perfectlaser.net](http://www.perfectlaser.net)

**2**

**Feeding Table**

## 3 Auto Feeding System

Integrated design, easy to operate

1. Notch for two sides (angle  $45^{\circ}$ - $135^{\circ}$ )

2. Precision motor clamp, feeding precision can reach 0.01mm, bending accuracy up to  $0.4^{\circ}$ .



## 4 Slotting System

Unique design of slot

Precision automatic calibration

Self-adjusting process parameters





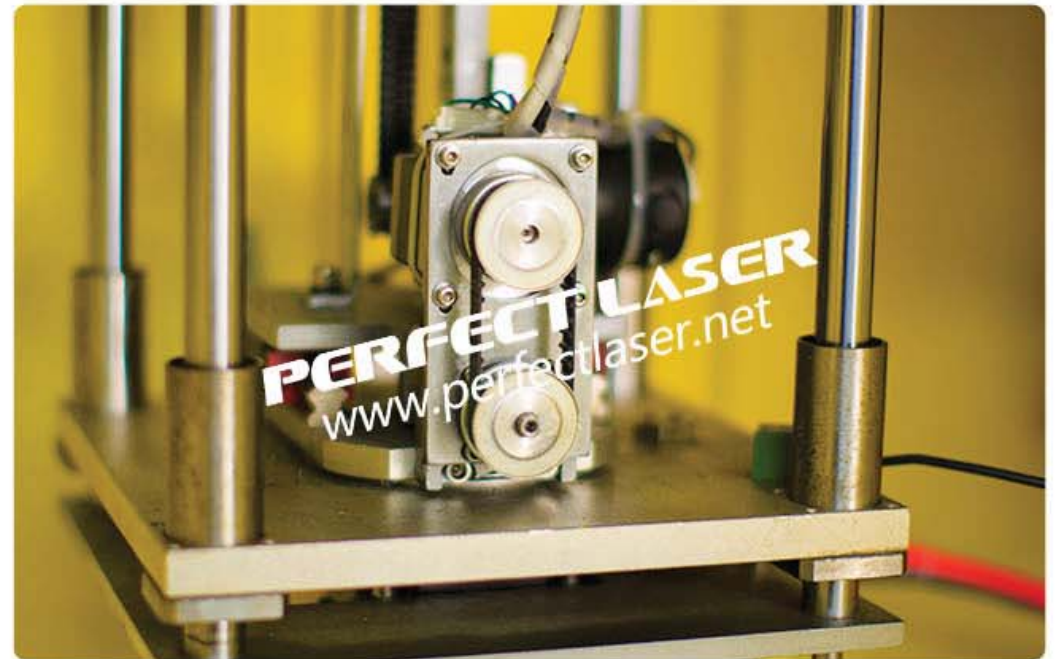
**5 Electrical Control Panel**

Automatic control instead of manpower control, easy to operate



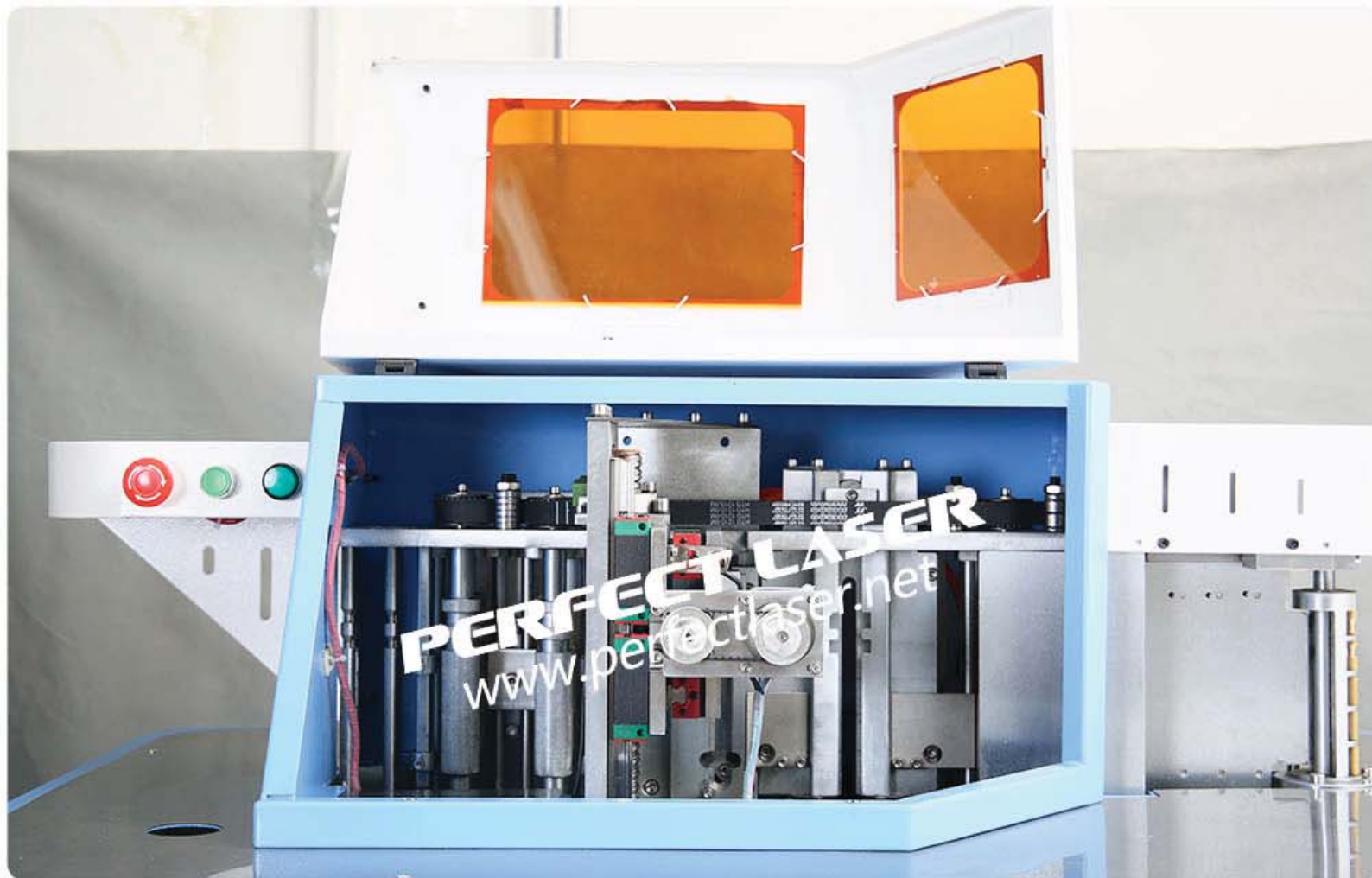
**6 Slotting Motor**

Servo motor: Torque is 10, powerful enough and can be folded to any angle, saving the cost of welding by hand.



**7 Observation Window**

Easy to observe and check in time if anything wrong during slotting or welding.





## Advanced Perfect Laser Bending Software

The screenshot displays the software interface for controlling a bending machine. The main workspace shows a large blue 'S' shape plotted on a coordinate grid. The vertical axis is labeled 'L=968.53'. The top toolbar includes icons for File, Edit, Material, Test, and various machine control functions like New, Open, Save, Undo, Redo, ZIn, Zout, Loc, Move, Win, Dir, Bend, Del, Run, and Stop. A watermark for 'PERFECT LASER' and 'www.perfectlaser.com' is overlaid on the workspace.

The right-hand side features a 'Property' panel with the following settings:

Para	Range	Value
Send (V)		5000
Send (V)		5000
Send (V)		5000 X 2000 L
Send (VS)	300 30	<input checked="" type="checkbox"/> First notch <input checked="" type="checkbox"/> Auto notch
Ben 1 (A)	11 30 00	<input checked="" type="checkbox"/> Sending <input type="checkbox"/> Disable bend notch
Ben (A)	50000	<input checked="" type="checkbox"/> Notching <input type="checkbox"/> Disable notch end
		<input checked="" type="checkbox"/> Bending <input checked="" type="checkbox"/> Encoder working
Knife Err (Angle)	0	<input checked="" type="checkbox"/> Scissors
Knife angle	31	Additional 0.5
Power (AL)	20	Send range 100 mm
Power (AR)	20	Notch-Bend dis 550
Power (CL)	21.12	X (motor) err 0 mm/s
Power (CR)	22.55	Scissors2-Bend 98.3
Scissors (dis)	413.9	
Scissors (width)	5.6	
Delay		
Up	600	Scissors2 work 1000 Clip 600
Down	600	Scissors back 2000 Loose 600
Step length		
Send step	5.19873486 [um]	Password ****
Notch step	3.125	Bend Scale 30
Material	F31494315.mat0	Protect

<b>PEL-700</b>					
<b>Length (m)</b>	<b>Width (m)</b>	<b>Height (m)</b>	<b>Measurement (m3)</b>	<b>Gross weight(kg)</b>	<b>Net Weight(kg)</b>
<b>2</b>	<b>0.85</b>	<b>1.6</b>	<b>2.72</b>	<b>500</b>	<b>450</b>

- \* 12 Months Guarantee
- \* 5-7 Days Lead Time
- \* VCD Training , Easy Installation
- \* 12 Hours Response
- \* TT/Western Union / Paypal / Ali Trade Assurance Payment
- \* Sea Shipping



Q: What' s the package?

A: We have 3 layers package. For the outside, we adopt wood craft case. In the middle, the machine is covered by foam, to protect the machine from shaking. For the inside layer, the machine is covered by thickening plastic bag for waterproof.

Q: Will the package damaged during transportation?

A: Our package is considerate all the damage factors and make it to be safe, and our shipping agent have full experienced in safe transportation. We have exported to 180 countries worldwide. So please don' t worry, you will receive the parcel in good condition.

Q: How to install and run the machine?

A: Our technician have installed the machine before shipping. For some small parts installation, we will send detail training video, user' s manual along with the machine. 95% customers can learn by themselves.

Q: How can I do if the machine goes wrong?

A: If confronted with such problems, please contact us asap and do not try fix the machine by yourself or someone else. We will response within 24 hours as quick as we can to solve it for you.