

**PERFECT LASER**

# Channel Letter Bending Machine

(Model: PEL-100)







1) Friendly man-machine interface, simple configuration, touch-screen operation. Simply enter the processing of text, graphic design files, and then the machine can process them on materials automatically.

2) A unique three-dimensional process simulation technology, two-dimensional design file to be able to display three-dimensional effects, supplemented by translation, rotation, zoom and other functions, enables full observation and monitoring of whole working process.

3) The original double-bent knife parallel bending technology to save time and greatly improve the processing efficiency, the maximum bending angle reached  $130^{\circ}$

4) High precision machining, feeding precision can reach 0.01mm, bending accuracy up to  $0.4^{\circ}$

5) With precision automatic calibration function, based on the way of the processing material, self-adjusting process parameters, so that it can match with a variety of engraving machines and cutting machine, meet a variety of complex embedded process accuracy as much as possible.









Notching & Control System



LCD Control Screen



Material Feeding Plate



Control Switch



## Part 1: Material Feeding System



**1.**

### Stable Tray

Can hold nearly 200KG weight of materials



**2.**

### Efficient Material Feeding Plate

4 pcs wheels make the feeding quickly



**3.**

### Material Feeding Entrance

Knock and fix the material, Adjust the height of the material Avoid material move and waste



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## Part 2: Control and Notching System



**1.**

### Advance Notching System

Advance Notching System:  
Notching the material first  
Adopt observe window, Convenient to observe the process of notching, in order to stop quickly if anything wrong.



**2.**

### Intenal photo of Notching system



**3.**

### Air Cylinder

Use air pressure to bend and feed, which makes bending and feeding accurate  
Can clamp material very tight  
Keep notching well



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**5.**

## Advanced LCD Touch Screen

No need to connect with PC  
Realize offline control  
Support U-Disk image

**6.**

## USB interface

Support U-disk to insert  
User can transfer the  
image into the machine  
easily



## Control Switch

Big and conspicu-  
ous to  
operate easily



**7.**

## Software Bending Parameter Storage

The machine already store up bending parameter of different material (for example 1mm SS, 2mm SS), just by choose the material name and thickness, machine can execute the bending progress automatically.  
No need to test and adjust the parameter any more.  
Save human cost and time.



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## Part 2: Control and Notching System



**8.**

### Japan Imported Bending Knife

High hardness Alloy  
No easy worn  
Life span can reach 2 years



**9.**

### Window Cover

Stable to hold up the window of  
Notching during machine working.



**10.**

### Holding Plate with Scale

Easy to watch bending scale then  
to finger out everything is or not  
on right way.



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## Technical Data



**11.**

### Reducing Valve

Adjust the valve



### Exhaust Fan

Heat dissipation  
Ensure machine long  
time working

Model	PEL-100
Notching Method	Bar/plate material
Type	LCD control type
Bending Material	Can bend all kinds of Stainless Steel, Carbon Steel, Galvanize Plate, Aluminum, etc.....
Processed thickness	Aluminum: 0.4-1.2 mm Stainless steel: 0.5 -1.0 mm Carbon Steel: 0.5 – 1.0 mm Galvanize Plate: 0.5-1.0 mm
Max. processed width	<150 mm
Voltage	220V
Size	1740*760*1450 mm
Weight	400KG
File format	PLT
Feed speed	5~20 m/ min
Precision	0.05 mm
Remark	LCD touch screen to control machine directly, no need to connect computer, it is very convenient





PEL-100	Length (m)	Width (m)	Height (m)	Measurement (m3)	G.W.(kg)
	1.78	0.95	1.3	2.20	400



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## ***Terms and Conditions***

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- \* 12 Months Guarantee
- \* 7-10 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. alxe?