

Introduction of main steel plate processing equipment

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1 CNC flame cutting machine

1. 1 main component

A. Ontology structure

B. Control system

C. Air supply system



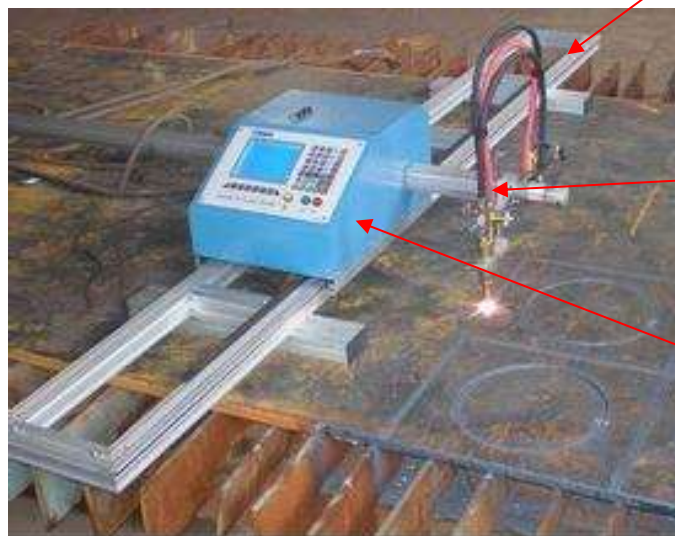
1 CNC flame cutting machine

1.1 Main Components - A. Ontology Structure



1. CNC flame cutting machine

CNC flame cutting machine -
other forms of structure
Portable



Track

Cutting Gun

Controller



1. CNC flame cutting machine

1.2 The main technical parameters

- A. Effective cutting length
- B. Effective cutting width
- C. Cutting thickness
- D. Cutting accuracy
- E. Number of cutting nozzles



1. CNC flame cutting machine

1.6 . CNC Flame Cutting Machine - Cutting Parts-1



1. CNC flame cutting machine

1.6 CNC Flame Cutting Machine - Cutting Parts-2



1. CNC flame cutting machine

1.7 Canhu Flame Cutting Machine

The main technical parameters

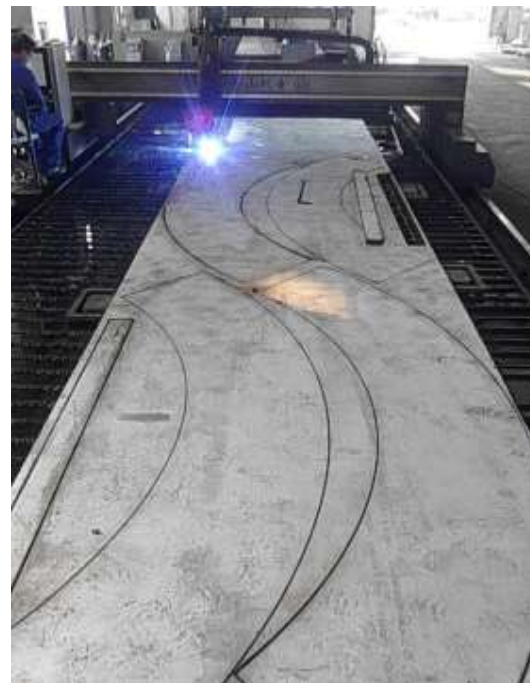
- . Double cutting nozzles to ensure that the cutting steel strips are not deformed
- . Effective cutting size 3200—13500 mm
- . Cutting thickness range 10 – 200mm
- . Cutting accuracy 1-3 mm



2. CNC plasma cutting machine

2.1 Cutting principle

Plasma cutting is a processing method that uses the heat of the high-temperature plasma arc to partially or partially melt (and evaporate) the metal at the incision of the workpiece, and uses the momentum of the high-speed plasma to exclude the molten metal to form a cut.



2. CNC plasma cutting machine

2.2 Component

- A. Ontology structure
- B. Power supply system (plasma arc power supply)
- C. Air supply system
- D. Control system

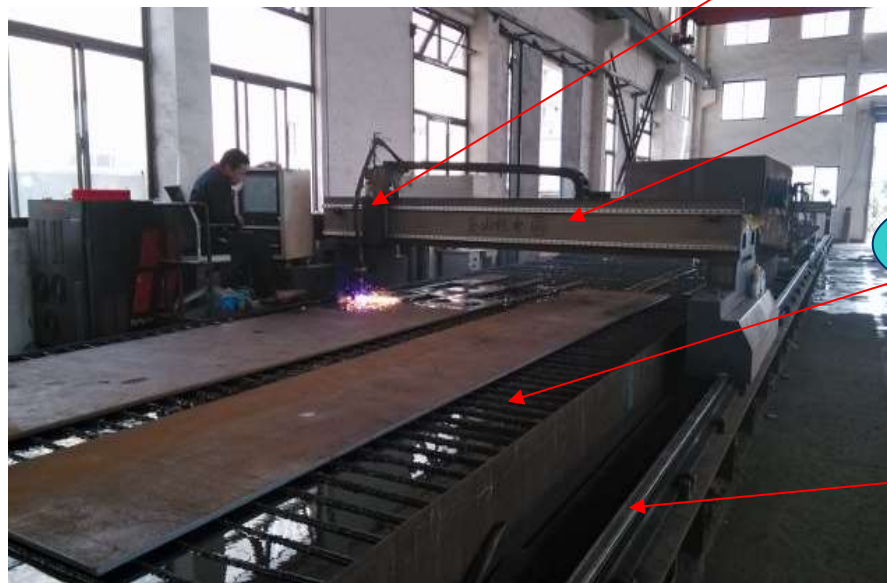


2 . CNC plasma cutting machine

2.2 Components - A. Ontology Structure

Ontology structure

1. Cutting platform
2. Track
3. Gantry
4. Cutting gun



Cutting gun

Gantry

Cutting platform

Track



2. CNC plasma cutting machine

2.2 Components - B. Power Supply

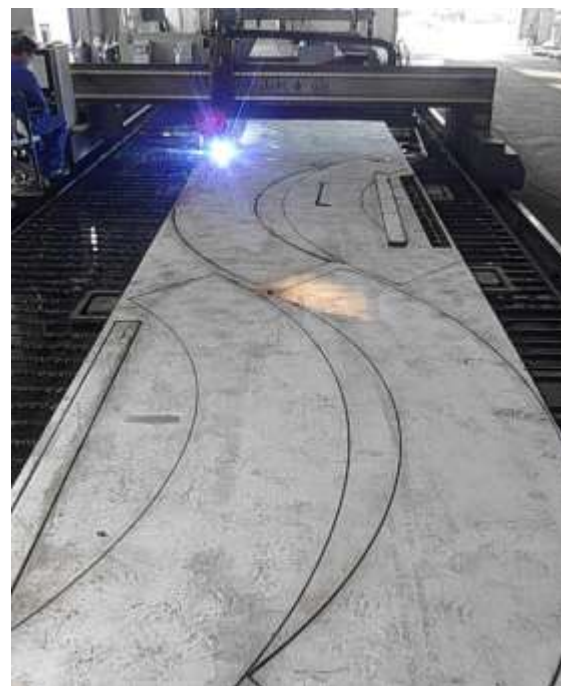
Power supply High temperature
plasma arc generator



2. CNC plasma cutting machine

2.3. CNC principle

- CNC system CNC cutting machine is actually 2-axis linkage control, one axis is the movement of the gantry back and forth, and the other axis is the movement of the torch on the gantry
- Convert the DWG graphics into DXF files, the cutting machine will recognize and cut automatically, and the CNC is to automatically follow the cutting line according to the drawing graphics



灿虎金属
不仅仅是简单的钢板切割！



2. CNC plasma cutting machine

2.4. The main technical parameters

- A. Effective cutting length
- B. Effective cutting width
- C. Cutting thickness
- D. Cutting accuracy
- E. Number of cutting nozzles
- F. Power supply



2. CNC plasma cutting machine

2.6. Plasma cutting machine dust prevention development - Underwater plasma cutting machine

As mentioned above, the disadvantage of plasma is that the dust is very large. In order to prevent dust, people invented an underwater plasma cutting machine。



2. CNC plasma cutting machine

**2.6. Plasma cutting machine
dust prevention development**
- Ion cutting machine with
dust removal device



2. CNC plasma cutting machine

2.7. Canhu Fine CNC Plasma Cutting Machine

- A. Configure the HPR260XD imported from the United States Haibao
- B. Nitrogen cutting,
- C. Cutting surface quality roughness ≤ 12.5 microns,
- D. Fast speed and high precision.
- E. The effective cutting size is 3200*13500mm.
- F. Stainless steel cutting thickness up to 40mm.



2. CNC plasma cutting machine

2.8. Plasma Cutting Products -1



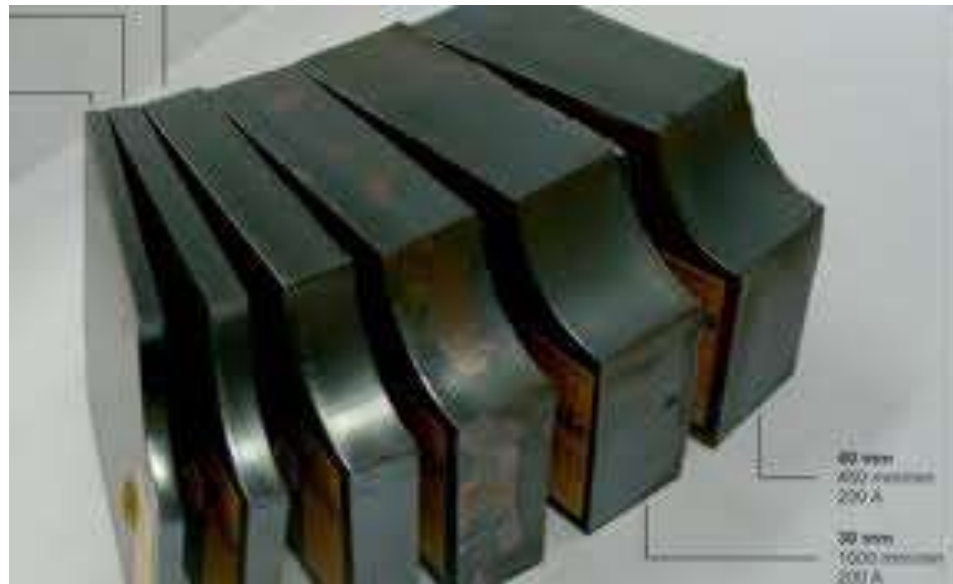
2. CNC plasma cutting machine

2.8. Plasma Cutting Products - 2



2.1 CNC plasma cutting machine

2.8. Plasma Cutting Products - 3



2. CNC plasma cutting machine

2.8. Plasma Cutting Products-4



3. CNC laser cutting machine

3.1. Appearance of laser cutting machine

Trumpf Laser
Cutting Machine
Exterior

Laser cutting
machines are
available in
desktop and
Gantry



3. CNC laser cutting machine

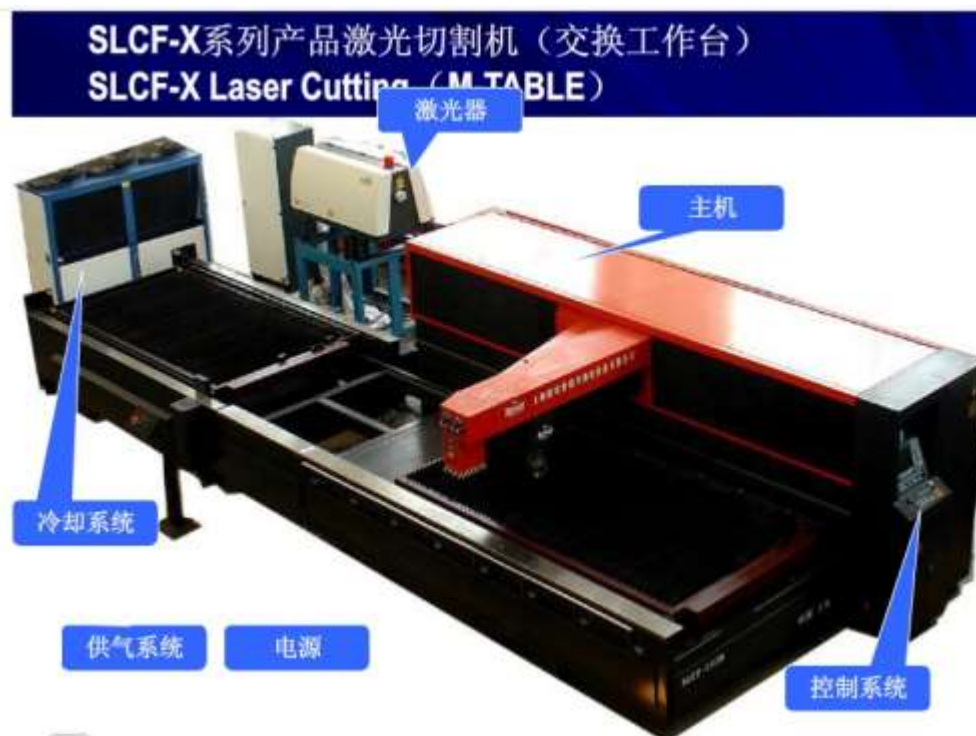
3.1. Appearance of laser cutting machine



3. CNC laser cutting machine

3.3. main component

1. Ontology structure
2. Laser
3. Cooling system
4. Air supply system
5. Power supply
6. Control system



3. CNC laser cutting machine

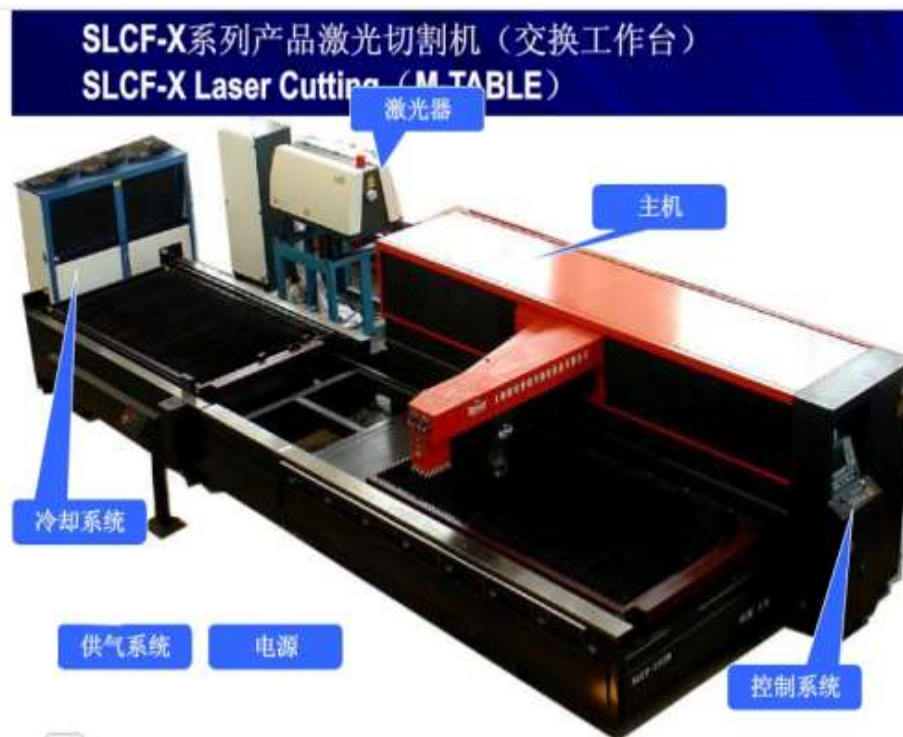
3.3. main component

3.3.1. ontology structure

Cutting platform, gantry, cutting torch

3.3.2 laser generator

Devices that generate laser light sources.



3. CNC laser cutting machine

3.5 Canhu laser cutting machine main technical parameters

(1) German TRUMPF two-dimensional laser cutting machine

Model: TRUMATIC L3030

Power 4000W

Carbon steel 20mm

Stainless steel 15mm

Cutting table size

1500*3000mm



3. CNC laser cutting machine

3.5 Canhu laser cutting machine main technical parameters

(2) German ROFIN CNC laser cutting machine

Maximum processing range

Capacity:

3000*1500mm

Cutting thickness

Carbon steel plate: 12 mm

Stainless Steel plate: 6mm

Cutting diameter and length:

φ30-φ300*3000mm



3. CNC laser cutting machine

3.6 cutting display-1



3. CNC laser cutting machine

3.6 cutting display - 2



3. CNC laser cutting machine

3.6 cutting display - 3



4. Bending Machine

4.1 Appearance picture of CNC bending machine



4. Bending Machine

Canhu new workshop bending machine

**500 tons * 6 meters CNC
bending machine 1
set**

**Pressure 500 tons
Thickness * 6000**

According to Q235B



4. Bending Machine

4.4 灿虎新车间折弯机

200吨*4米数控折弯机 2台

- 压力 200吨
- 厚度 * 4000mm

按照Q235B



4. Bending Machine

4.4 Canhu new workshop bending machine

200 tons * 3.1 meters CNC bending machine 1

**Pressure 200 tons
Thickness * 3200mm**

According to Q235B



4. Bending Machine

4. Main product pictures of CNC bending machine processing



4. Bending Machine

4. Main product pictures of CNC bending machine processing



4. Bending Machine

4. Main product pictures of CNC bending machine processing



5. Shearing machine

5.1 Classification of shears



Hydraulic gate
shears



Hydraulic Pendulum
Shearing Machine



5. Shearing machine

5.1.1 Classification of shears

Working principle of hydraulic pendulum shearing machine

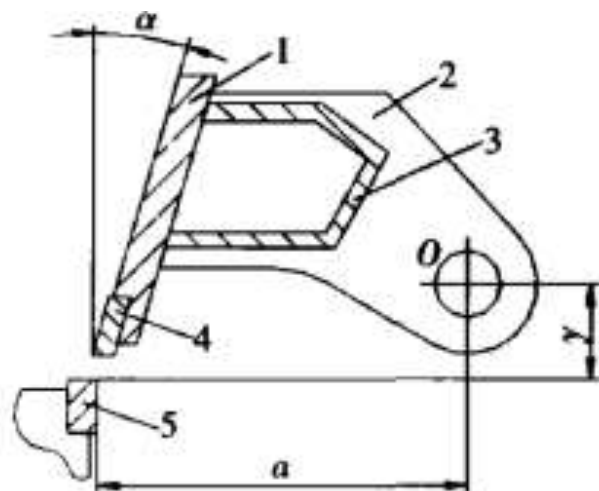
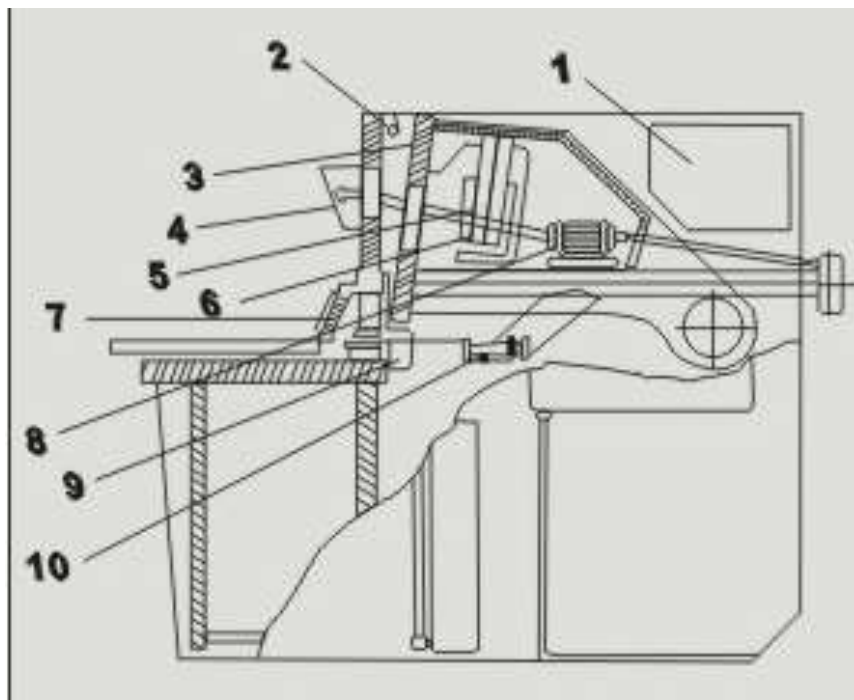


图2 刀架

- 1.前立板 2.翼板 3.连接板
4.上刀片 5.下刀片



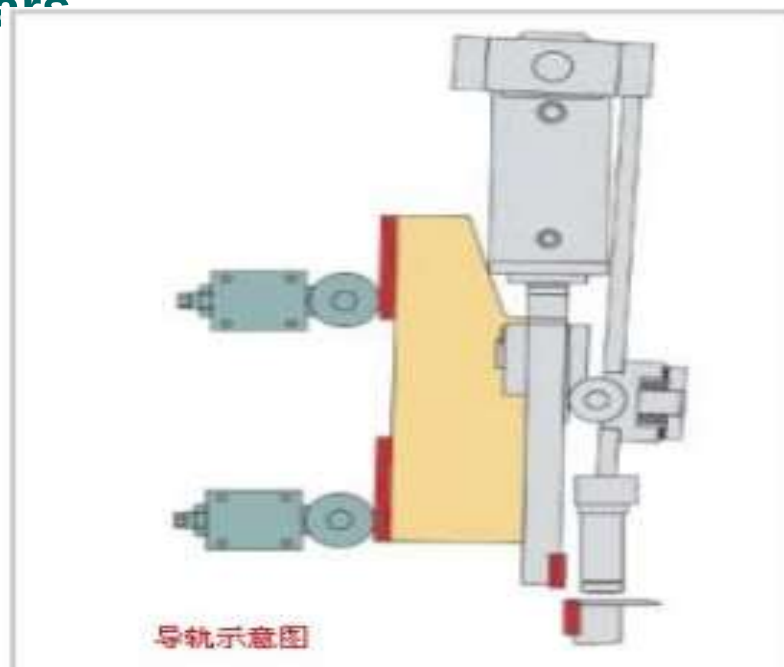
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5. Shearing machine

5.1.2 Classification of shears

Working principle of
hydraulic gate shearing
machine



5. Shearing machine

5.2 The main technical parameters

maximum shear thickness, maximum shear length
6 * 2500, maximum shear thickness 6mm, maximum
shear length 2500mm

Note: This is based on Q235B steel plate, which means
the steel plate strength is 370Mpa



5. Shearing machine

5.3 Shearing machine products



5. Shearing machine

5.4 Introduction of Canhu shearing machine

1. 1 CNC hydraulic synchronous rise shearing machine

13*6000mm

Pressure: 500T



5. Shearing machine

5.3 Introduction of Canhu shearing machine

2. Hydraulic pendulum shearing machine 4 sets

6*4000mm



6. Fully automatic CNC punching machine

6.1 The principle of CNC punching machine



6. Fully automatic CNC punching machine

6.1 Introduction of CNC punching machine in Canhu new workshop

(1) German TRUMPF high-speed multi-station CNC punching machine

Model: TRUMATIC 2020R
6.4 * 2540 * 1270* ϕ 76mm
Steel plate thickness 6.4
Processing range 2540*1270
Maximum one-time punching diameter ϕ 76 mm



6. Fully automatic CNC punching machine

6.1 Introduction of CNC punching machine in Canhu new workshop

(2) Turret CNC punch press

1500*2500* Φ 90*8mm

Tonnage: 50 T

Processing range: 1500*2500

Maximum punching diameter 90

Processing plate thickness: 8



6. Fully automatic CNC punching machine

6.1 Introduction of CNC punching machine in Canhu new workshop

(3) CNC hydraulic turret punch press
1250*2800* $\phi 114.3 \times 6.35\text{mm}$
Tonnage 25 t

Processing range: 1250 *2800
Maximum punching diameter
at one time: 114.3
Processed plate thickness: 6,35



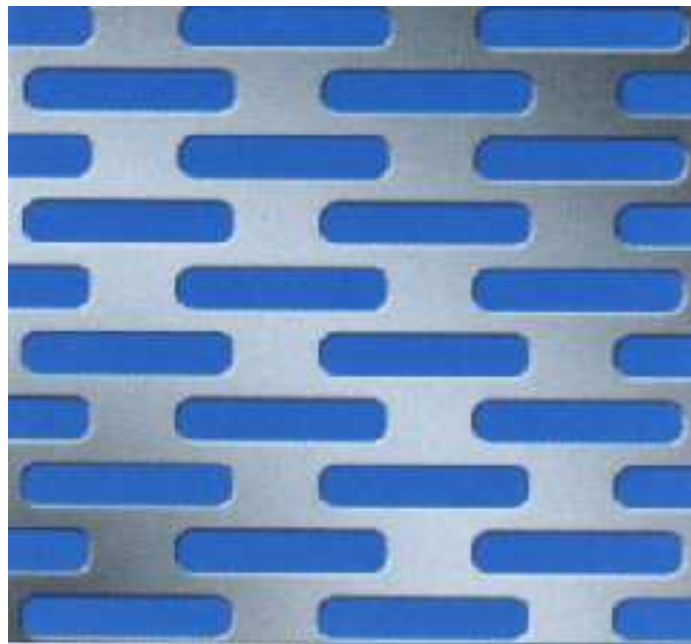
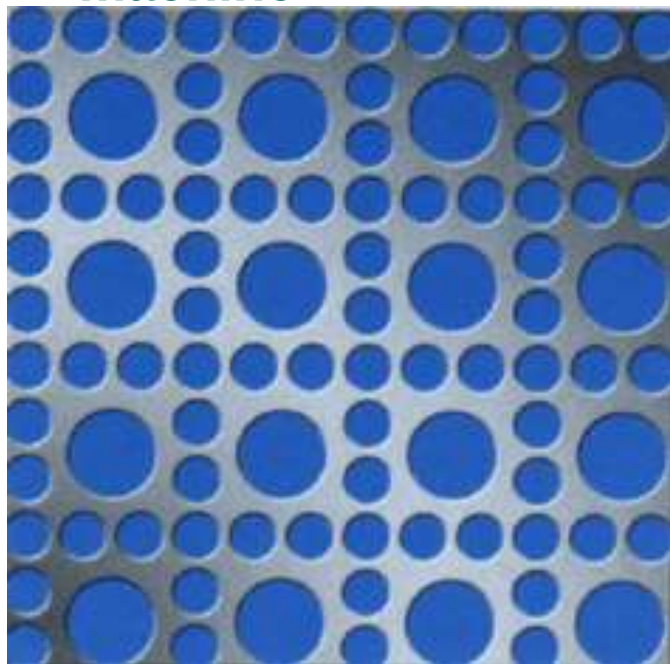
6. Fully automatic CNC punching machine

6.1 Processing method of punching machine



6. Fully automatic CNC punching machine

6.1 Processing method of punching machine



END
谢谢阅读！

