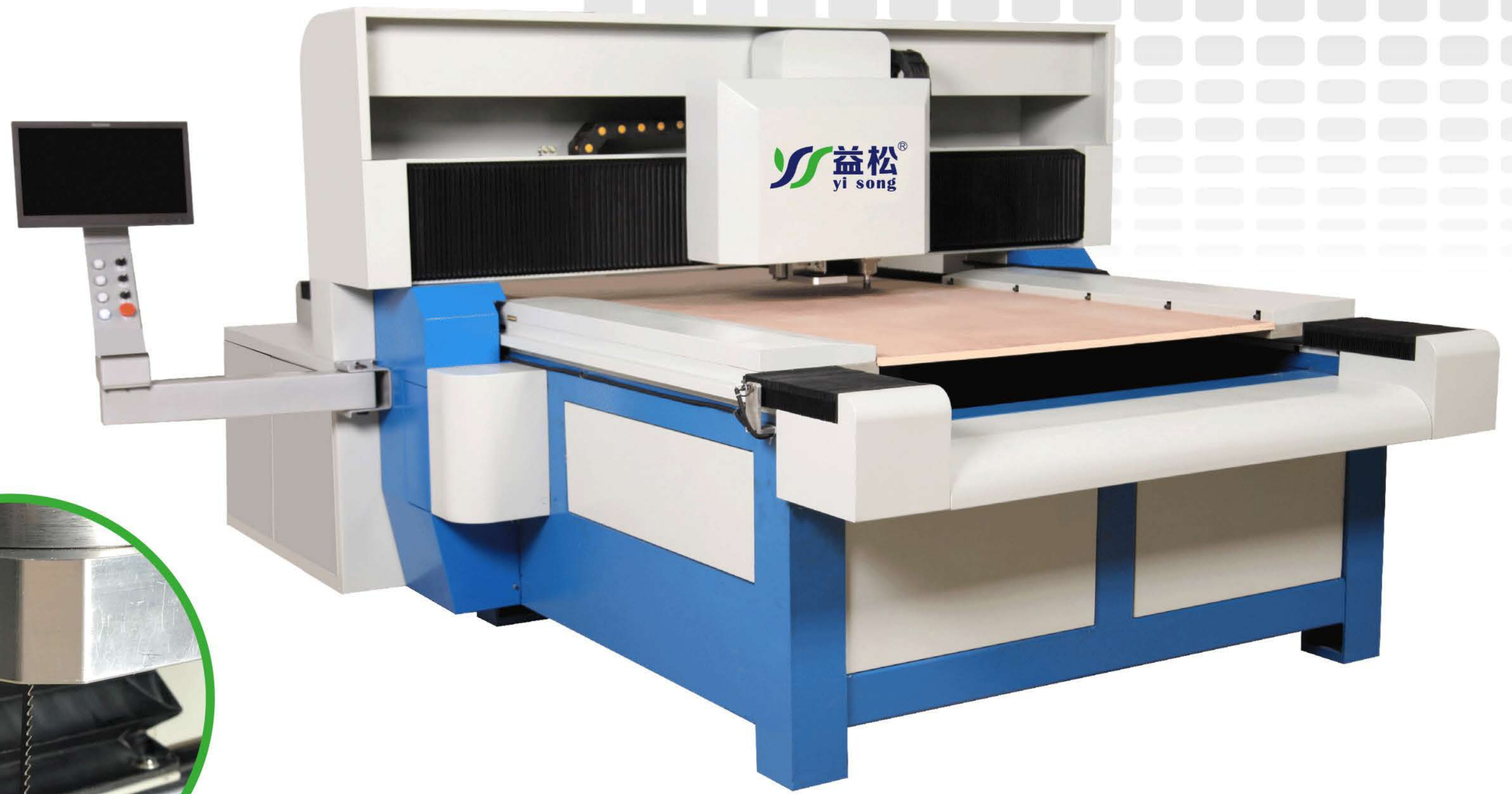
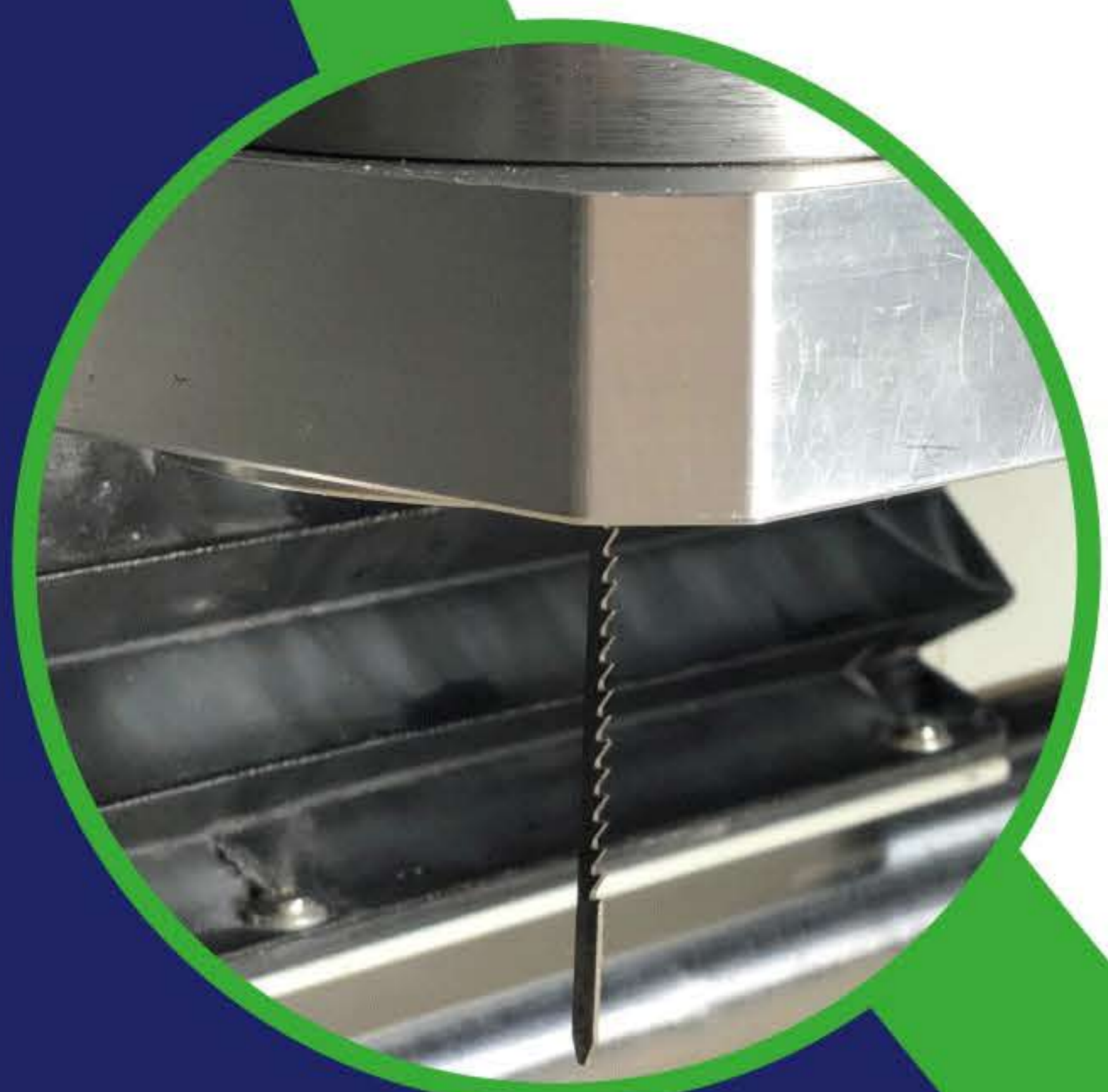




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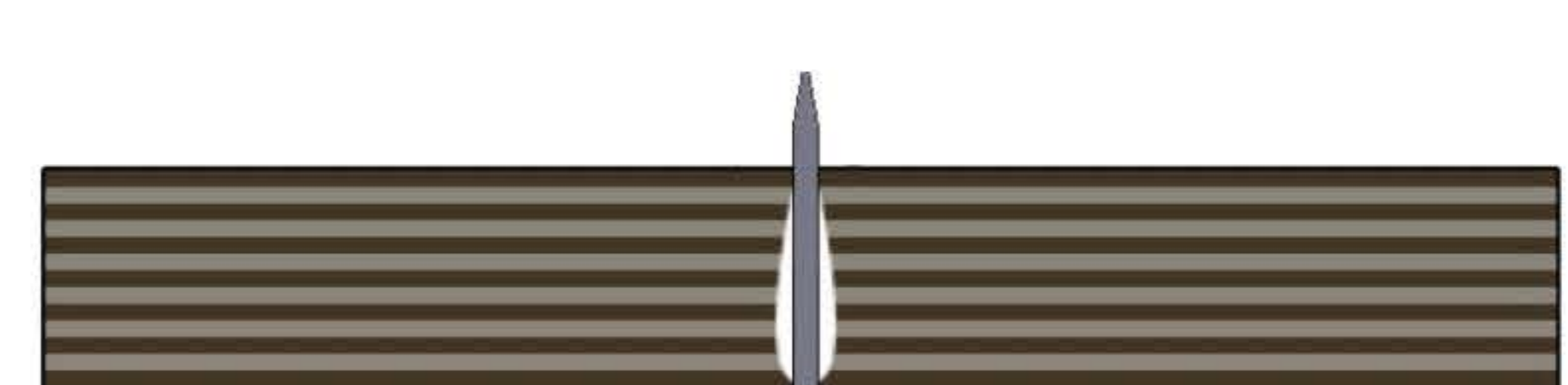
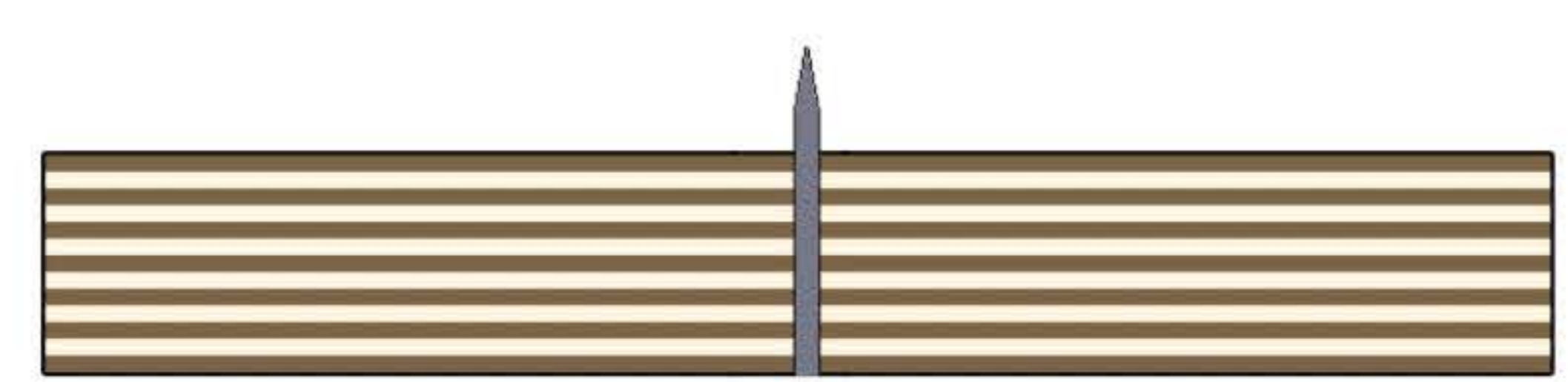
Automatic CNC Die Sawing Machine



CNC Sawing Die

Advantages of CNC Sawing Die

- CNC sawing die has vertical kerf, uniform kerf width, good blade holding, which can leads to high die-cutting accuracy and longer serving lifespan.
- CNC sawing die has very smooth surface, which will be easier for die cutting setup machine
- CNC sawing die is more rustproof, which can be stocked for longer time.
- Automatic CNC die sawing machine can make location holes or slots which is convenient for die installation and fix.
- CNC sawing die is eco-friendly, wooden surface without any black burnt edge.



Kerf Verticality and Width Comparison

Wooden Fiber Kerf Surface and Carbonized Kerf Surface Comparison

Automatic Saw Cutting VS Laser Cutting

Comparison: CNC Sawing Die



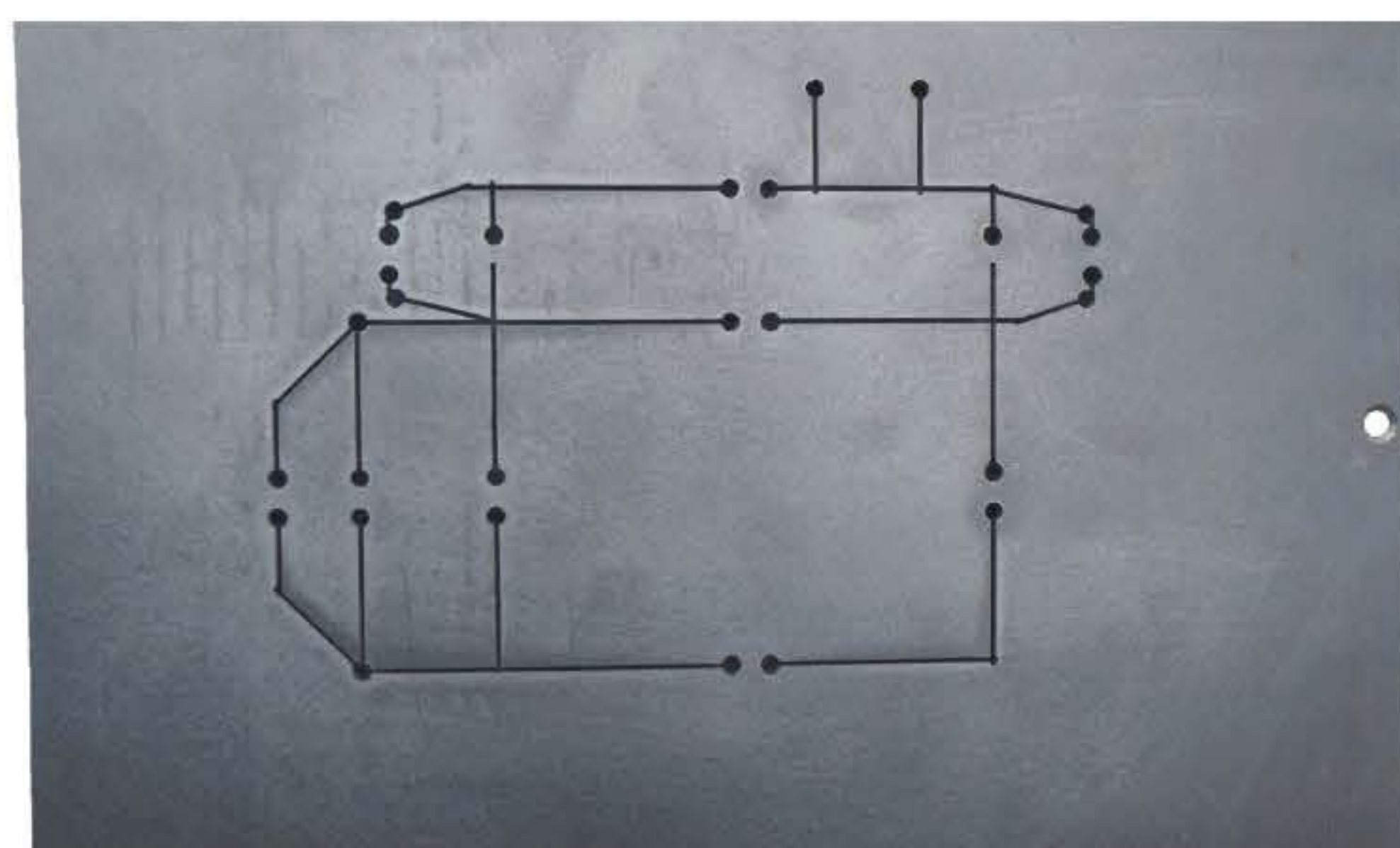
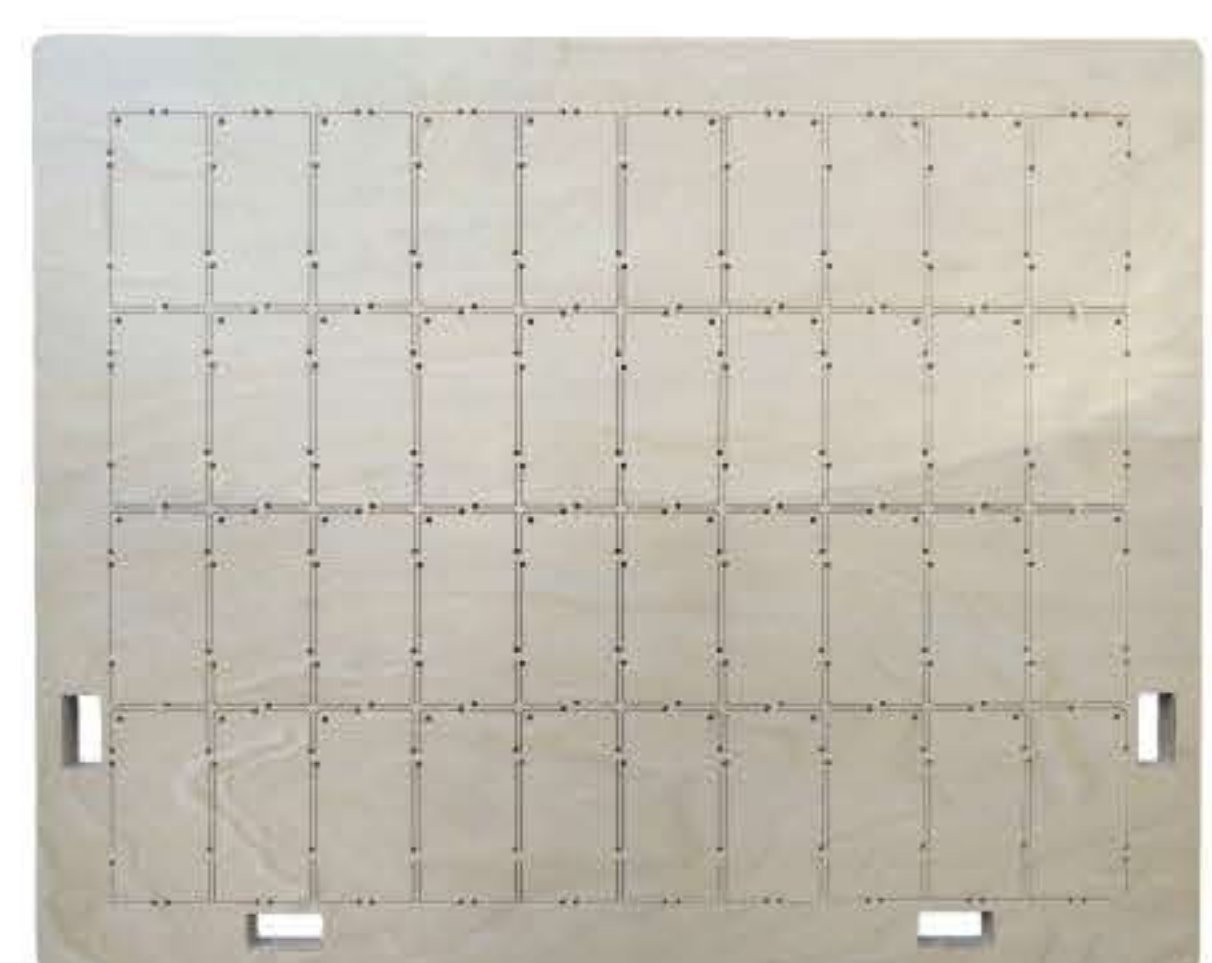
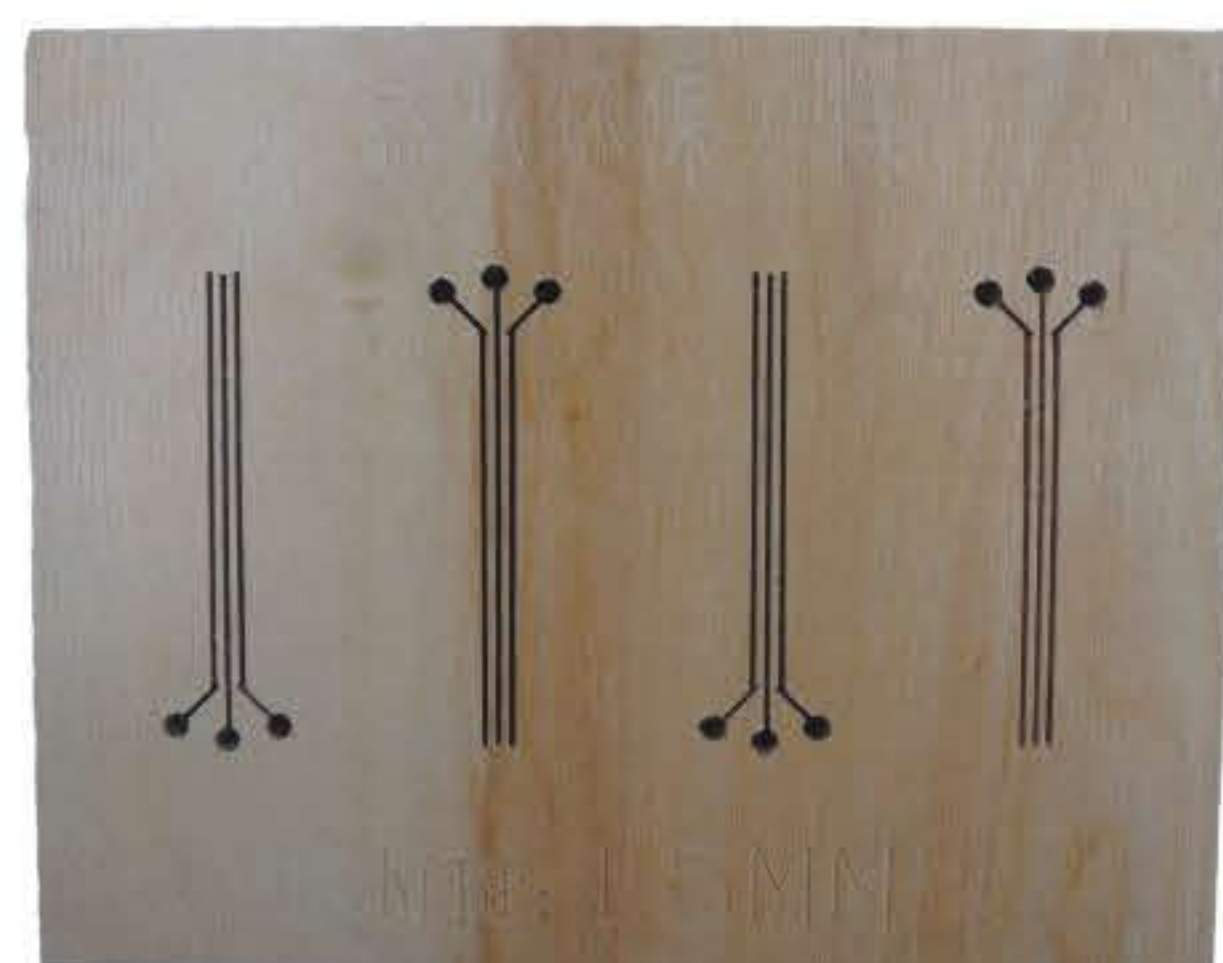
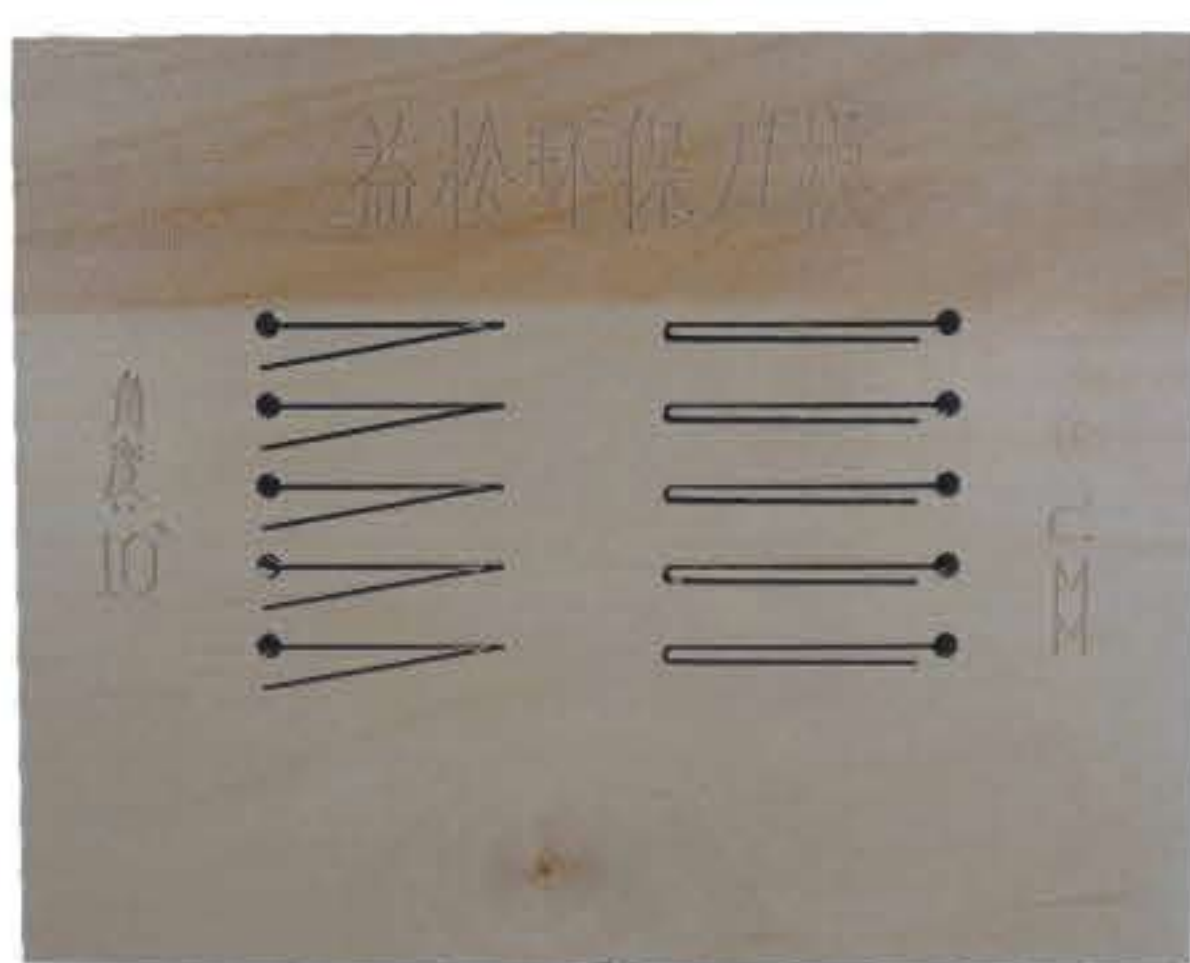
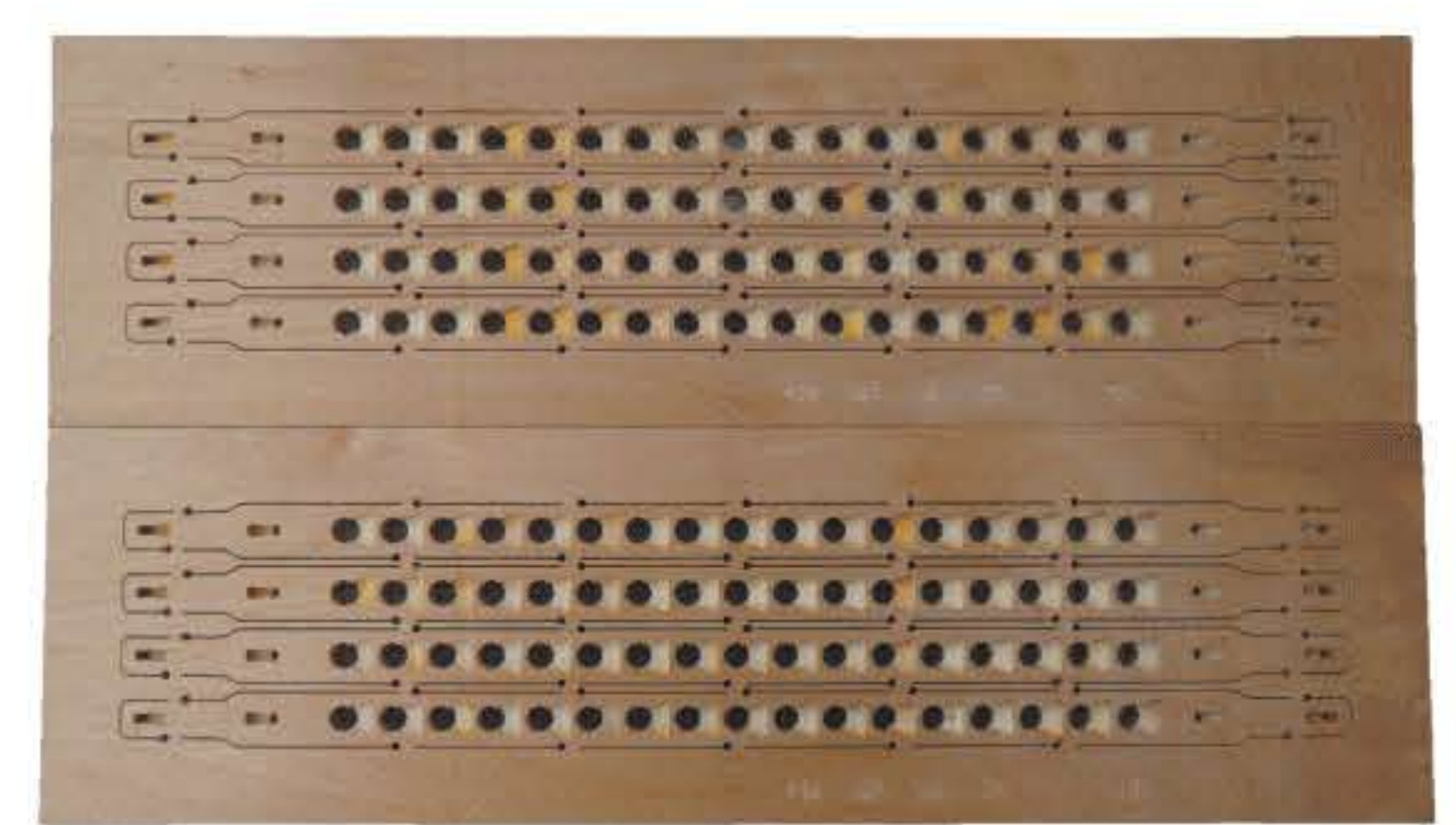
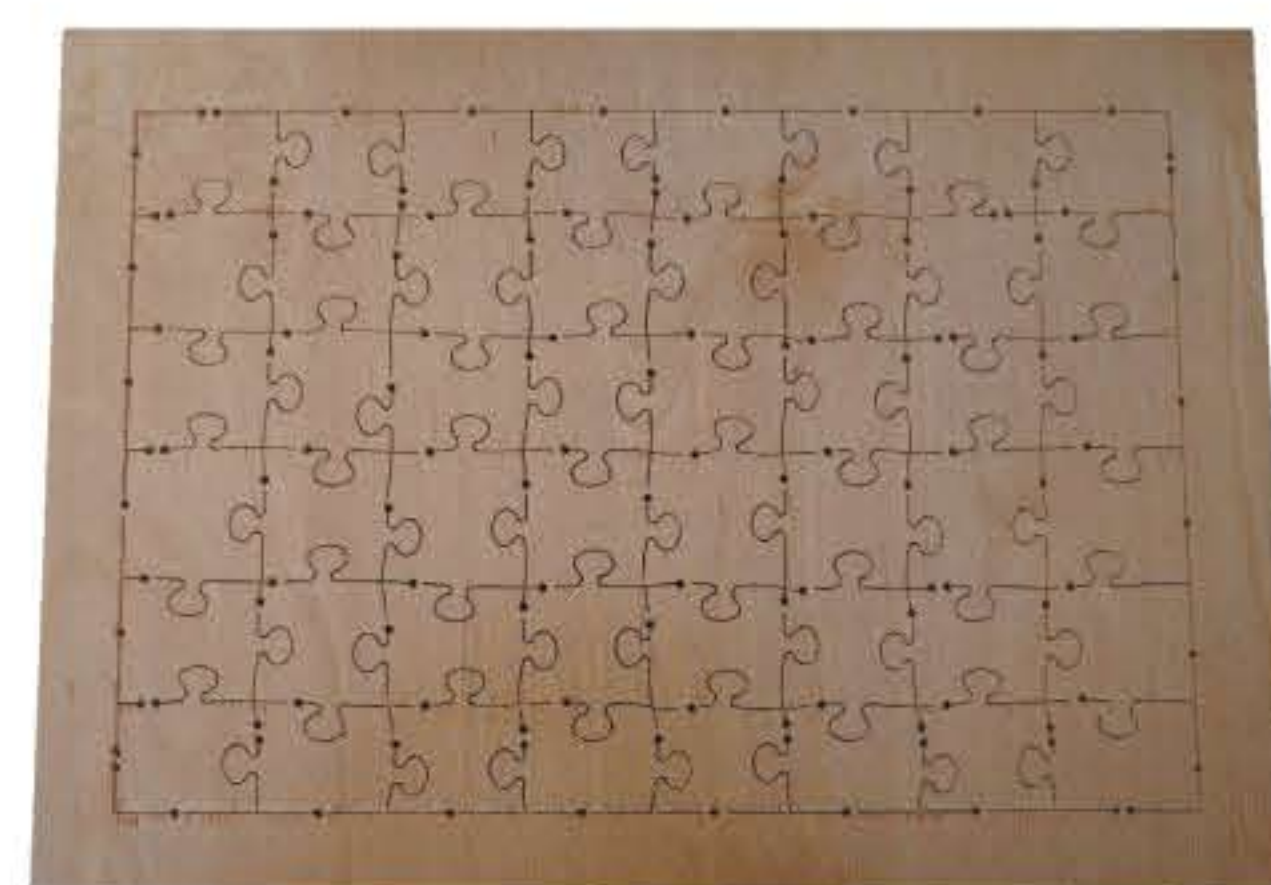
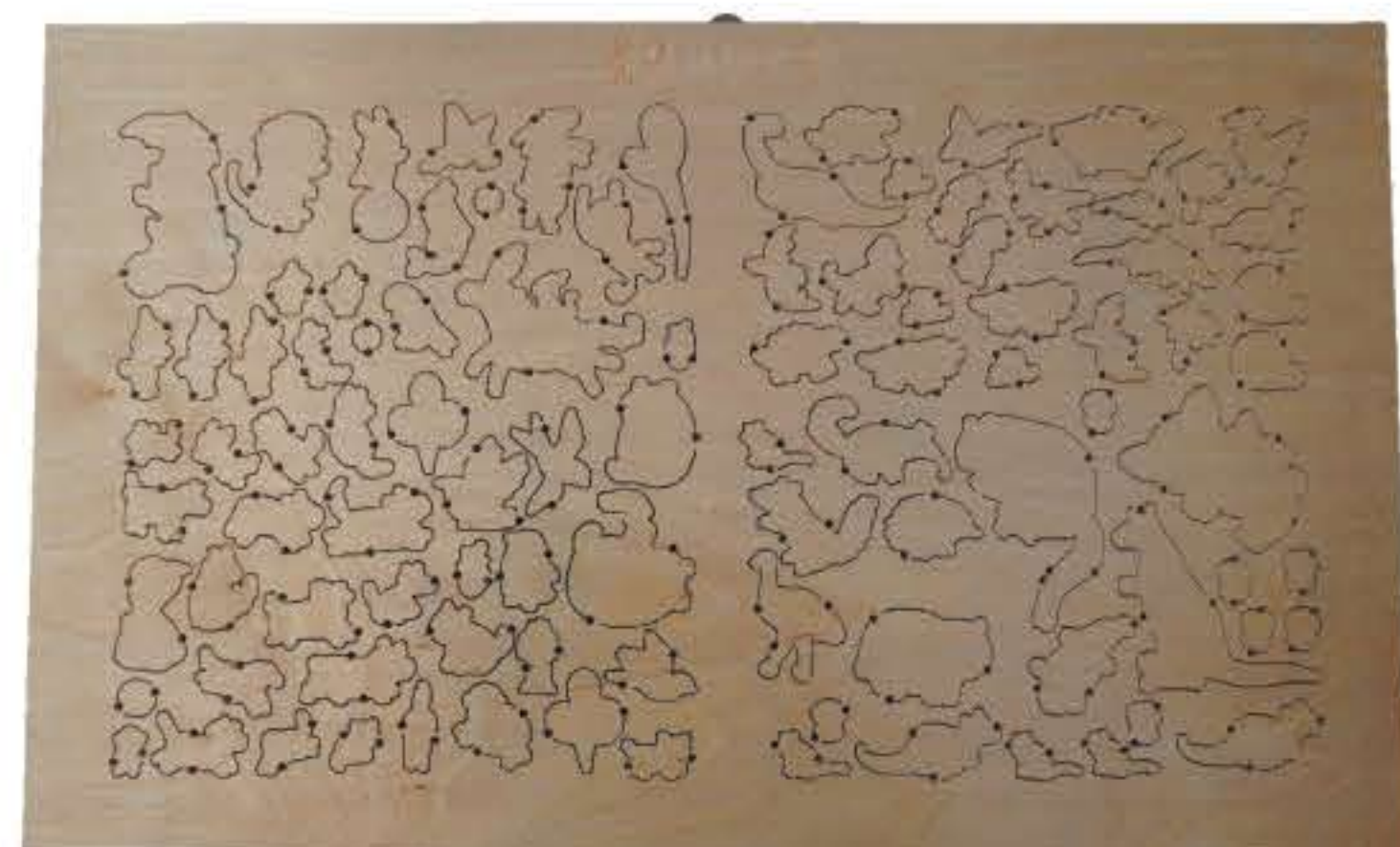
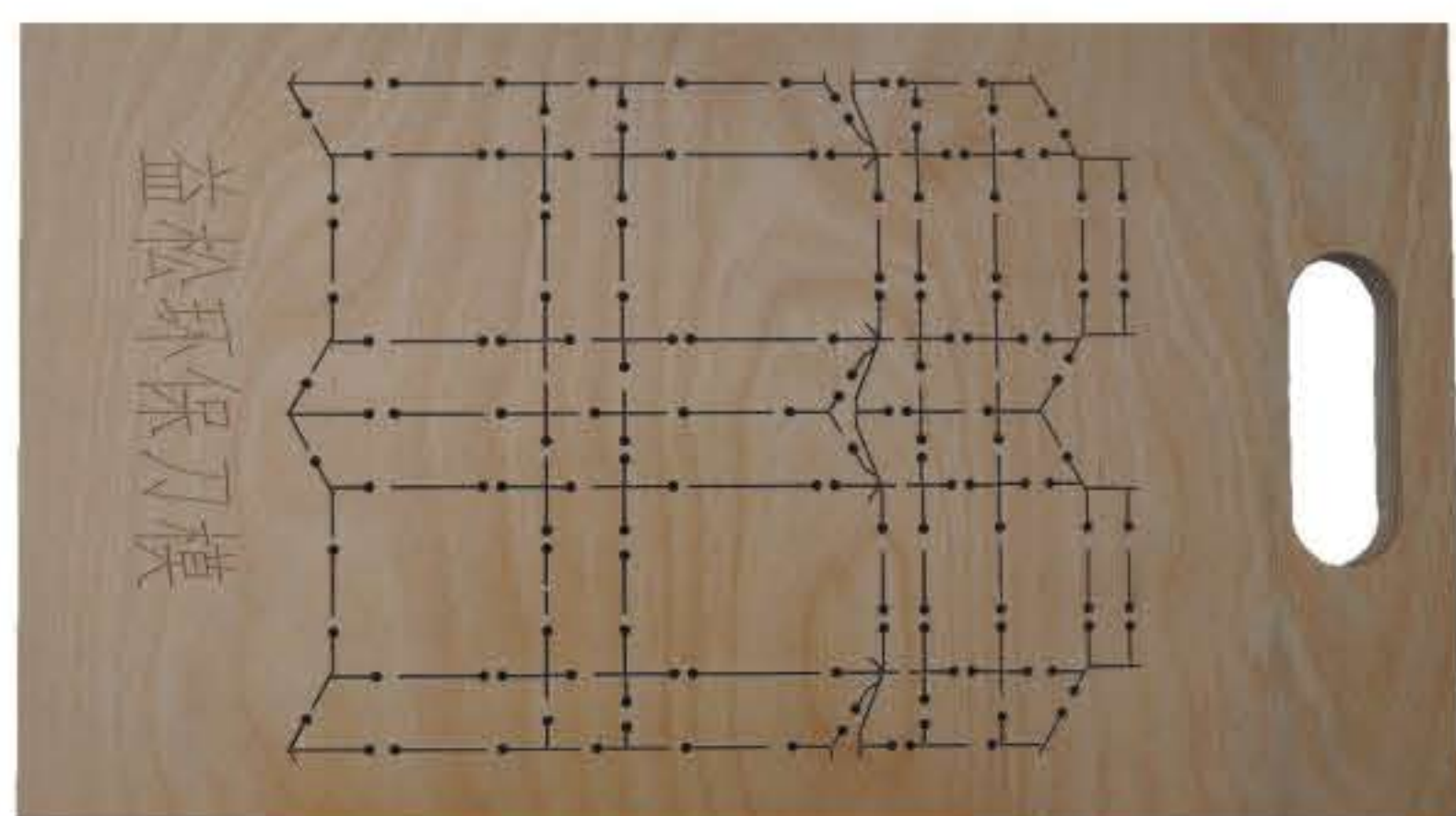
Laser Die

	CNC Sawing Die	Laser Die
1	Straight and Perpendicular kerf	Not vertical kerf, with bell mouth
2	Uniform kerf width and can be automatically slight adjusted according to the design	The width of the kerf is inconsistent, and the width kerf is manually adjusted
3	Better blade holding, can be controlled precisely	Blade holding force can't be controlled precisely
4	Perfect surface smoothness	Die board might be out of shape after laser burning
5	More Rustproof, easy stocking	Easy to rust, can't be stocked for long
6	Serving lifespan of die cutting can be longer	Shorter serving lifespan of die cutting
7	Multi-functions, like sawing, milling, drilling, half bridging etc.	Only laser cutting
8	Wooden surface, no black edge	Laser burnt black surface

Automatic CNC Die Sawing Machine

Advantages of automatic CNC die sawing machine

- It won't cause any environmental pollution problem and it is a security way to produce wooden dies.
- It can help die makers grow business with competitive edges.
- Automatic CNC die sawing machine can help die maker decrease the production cost.
- Processing cost is less than 1/5 of laser processing. Jigsaw blade is the only consumable item, it is cheap.
Laser lens, gas or laser tube are not needed.
- Electricity cost is only 1/10 of high power laser's electricity cost.
- Cooling system, waste disposal equipment and filtering device are not needed.
- Common plywood can be used to get high quality die.
- No bidding cost, machine running anytime. Smaller space is required.
- Machine is easy to learn and operate.
- Can be applied to make PVC dies, acrylic dies, and it is multi-functional.



Main technical specification

Machine name	Automatic CNC Die Sawing Machine
Functions	Saw cut boxes die, electronic die, acrylic die, vacuum die, label dies without using laser.
Working way	Input design file and data to the computer, can finish drilling, sawing, bridging, half-bridging, milling automatically
Max die board size	2400x1200mm, can be customized
Material thickness	<22mm, plywood, acrylic, PVC, MDF, Finnish board etc
Kerf tolerance	$\leq 0.05\text{mm}$
Position tolerance	$\leq 0.1\text{mm}$
Kerf perpendicularity	$\leq 0.1^\circ$
Repeatable tolerance	$\leq 0.01\text{mm}$
Sawing speed	0~1500mm/min, adjustable
Milling speed	0~2000mm/min, adjustable
Kerf width	2pt, 3pt, 4pt
Driven system	Servo motors, guide rails, screw shaft
Tools set	Jigsaw blade, drilling tool, routers tool
Power supply	380V, 3 phases, 1000W (energy saving mode can be customized)



Patents Protection

Beijing Liu Shen Law Office (the most powerful, historical and experienced patent law firm) and its global partners are authorized by us to handle intellectual property affairs of patent use obtaining or rights protection. The unauthorized use of our patents and infringement of our intellectual property rights, should be held accountable for all legal liabilities, including but not limited to criminal liability, civil liability and administrative liability.

We are also highly vigilant about possible violations of our patented technology and unique technology. We hereby reaffirm that any unit or individual may not copy Yisong Automatic CNC Die Sawing Machine series products in any way or infringe on our patent technology and unique technology. We will use all legal means to investigate and crack down on the infringement of our company's intellectual property rights, and will not tolerate it!

We, Yisong High Technology Co., Ltd, have built a patent layout and a patent pool around the "Yisong Automatic CNC Die Sawing Machine". It has obtained more than a dozen related invention patents, more than 20 utility model patents, and dozens of patents are pending. In addition, Yisong Technology has applied for patents in several countries for core technologies through the PCT international patent application.



Company Introduction

Dongguan Yisong High Technology Co., Ltd. developed “automatic cnc die sawing machine” series for the field of die making. This machine’s software is developed by Yisong® independent R&D center and they are a part of Yisong’s intellectual property. It adopts new design concepts and subversion to solve the three core problems of high pollution, high cost of use and defects in processing quality caused by the laser cutting machine. We have obtained more than ten invention patents, including two international invention patents.

“Committed to industries’ problems solving, making efforts on industries’ upgrading and promoting healthy and sustainable development for die board industry.” is our philosophy.

“Professional, Integrity, Cooperation” are our faith which guides us to provide satisfactory and quick-response service. We are looking forward to building up good and long-term cooperation with all customers worldwide!



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