

Why choose Infitek laser Fabric cutting machines?



1. We understand your materials better: With over two decades of experience in the research and development of roller heat transfer machines, we have accumulated profound knowledge of the physical properties, tension changes, and heat sensitivity of flexible materials such as fabrics and carpets. This laser cutting machine is not a general-purpose device but a deeply customized development based on our understanding of the materials themselves.

2. Inheritance of precision manufacturing genes: Since manufacturing China's first roller heat transfer machine, "high precision, high stability, and high repeatability" have been engraved in our technical genes. We have fully replicated this strict precision mechanical standard in the research and development and production of laser cutting machines to ensure the reliability and accuracy of long-term operation of the equipment.

3. Solving real industry pain points: We not only provide equipment but also offer solutions. For common problems in the cutting of flexible materials such as edge scattering, displacement, charring, and hardening, we have optimized them from the root through professional laser source selection, intelligent temperature control systems, and unique pressure cover dust removal design.

4. Integrated services and forward-looking vision: Choosing us means obtaining full-cycle support from process testing, equipment commissioning to personnel training. We can also integrate your process requirements at both the transfer and cutting ends to provide more forward-looking production process integration suggestions, helping you build core competitiveness.

Laser Machine
equivalent to
Staffs

Traditional cropp



D-410, FOURTH FLOOR, SP, SQUARE, NR RAMOL POLICE STATION, AHMEDABAD - 382449.

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➤ Core Strengths

1 Precise cutting, flawless edges: The laser beam is extremely fine, the cuts are smooth without burrs, and there is no mechanical stress. This effectively prevents fabric fibers from being pulled apart and carpet edges from scattering, achieving "no-edge-banding" level of high-quality cutting.

2 Complex shapes, easy to handle: No need for die molds, driven directly by software. Whether it's intricate patterns, complex logos, or personalized curves, they can be quickly and precisely formed in one step, greatly enhancing design freedom and production flexibility.

3 Efficient production, cost savings: Digital layout greatly optimizes material utilization, there is no tool wear, one person can operate multiple machines, significantly reducing labor and material costs, especially suitable for small-batch, multi-variety rapid orders.

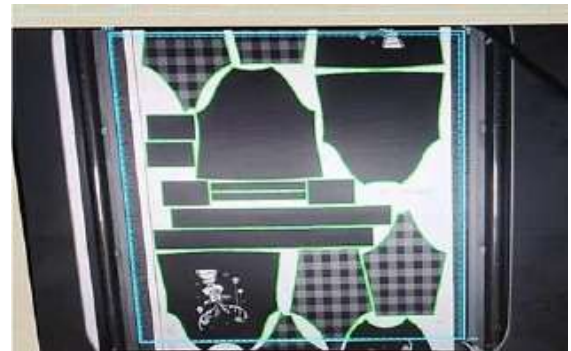
4 Widely applicable, versatile in one machine: Suitable for fashion, home textiles, automotive interiors, carpet mats, advertising signs, handicrafts, and many other industries, capable of processing various materials such as cotton, linen, polyester, velvet, denim, leather, and non-woven fabric.



It only takes 4 steps to using the Heihui Laser digital printing automatic, edge-seeking laser cutting machine



Prepare materials



Identification laser trajectory



Cutting machine running



Organize materials

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► Panorama Laser Cutting Machine



❖ Configuration parameter

MODEL	WORKING SIZE(unit:mm)	Laser power (optional)	GROSS POWER (unit:W)	Cutting & engraving speed (unit : mm/s)
ZH-1610	1600*800	130-150w	≤3000	0-600
ZH-1614	1600*1400	130-150w	≤3000	0-600
ZH-1616	1600*1600	130-150w	≤3000	0-600
ZH-1620	1600*2000	130-180w	≤3500	0-600
ZH-1810	1800*1000	130-150w	≤3500	0-600
ZH-1812	1800*1200	130-150w	≤3500	0-600
ZH-1814	1800*1400	130-150w	≤3500	0-600
ZH-1816	1800*1600	130-150w	≤3500	0-600
ZH-1820	1800*2000	150-180w	≤3500	0-600
ZH-1825	1800*2500	150-180w	≤3500	0-600
ZH-1830	1800*3000	150-180w	≤3500	0-600
ZH-2025	2000*2500	180w	≤3500	0-600
ZH-2030	2000*3000	180w	≤3500	0-600

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❖ Technical parameter

Camera brand	Hikrobot	Cooling mode	water cooling
Laser type	CO ₂	Operating humidity	5%-95%
Repeat Bit Accuracy	±0.05mm	Operating temperature	0°C-45°C
Transmission mode	Stepper/servo motor	Operating voltage	220V/120V, 50/60Hz
Support image format	DWD、DXF、JPG、 Ai TIF、PLT、CDR、BMP、GIF	File transfer mode	USB data cable to computer

❖ Applicable Industry

Sport swear, cycling wear, bathing suit, dance wear, printed clothing, home textiles, shoes, lace, handbags, gloves, luggage, car cushions, leather products, plush cloth toys, paper products industry.



Sportswear



swimwear



Throw pillow



TT-shirts



Carpet



Handbag



Lace



Hang picture



Gloves



Shoe material



Belt support



Hat

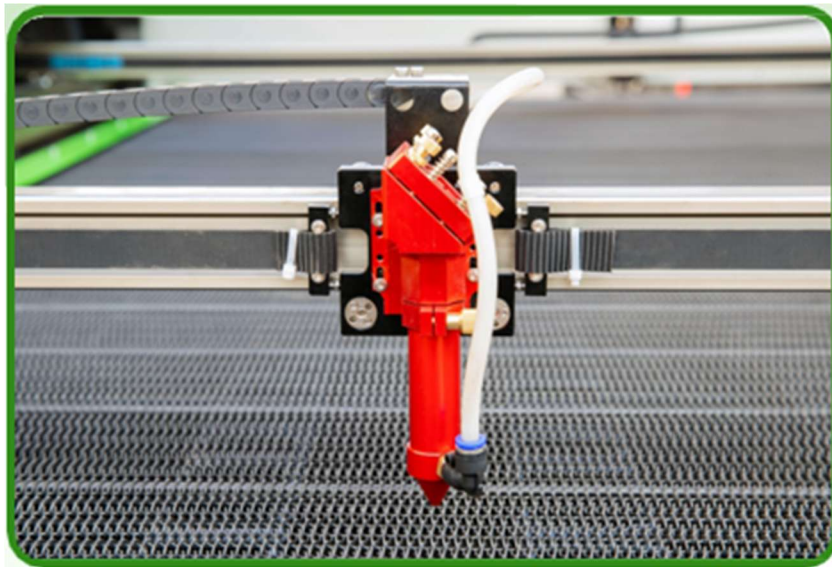
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❖ Details of laser cutting machine

Laser head



Monitor



Laser tube



Servo system



Transmission system