



KD1814 series

Vision Laser Cutting Machines

KD1814-S single head laser
KD1814-SY2 dual head laser



INTRODUCTION

The KD1814 series are a line of Laser Cutting machines featuring KASU's advanced vision system for accurate cutting of printed textiles. The KD1814-S1-C offers a single CO2 Laser mounted on a single rail. The KD1814-SY-C offers double asynchronous laser heads installed on two separate guide rails for increased productivity. Both models support continuous segmented cutting of patterns over 55" (1400mm) in length. Thanks to the onboard Canon Camera and KASU's Vision software, the contours of printed or embroidered fabrics, leather and other flexible materials can be cut with high accuracy.

Effective Working Area

Vision Mode: 70.8" x 47.2" (1800mm x 1200mm)
Non Vision Mode: 70.8" x 55.1" (1800 x 1400mm)

APPLICATIONS



Sportswear



Printed Leather



Clothing



Banners & Flags



Plush Toys



Applique







Embroidery



Lace

■ KEY FEATURES

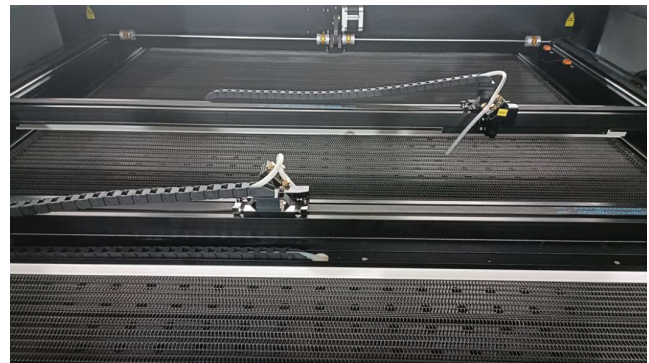
			
All-Round Safe Cover Meet Compliance Requirements	Both Vision and Non-Vision Working Modes	Stable and 24 Hours Running	Super Simple to Operate

■ Kasu's Proprietary Vision Software System

Together with the Canon EOS camera with 24 mega pixels, the KD1814 Series laser cutter's proprietary vision software automates the whole graphic detection and positioning cutting process.



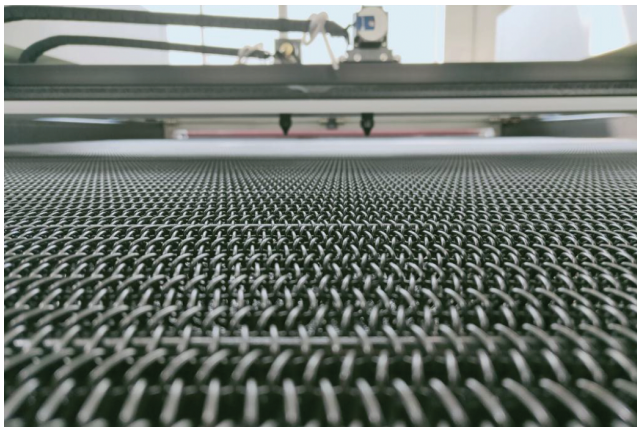
■ Dual Head Model Only



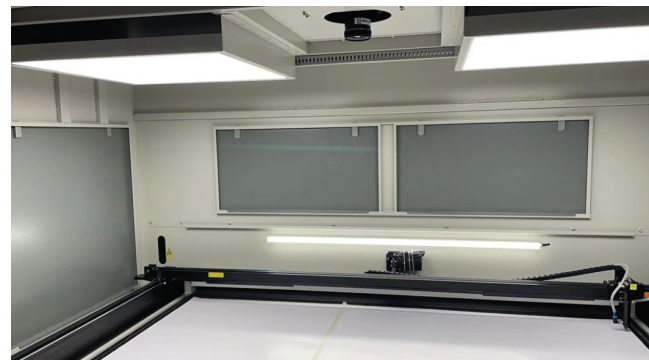
The KD1814-SY2 dual head laser is an innovative invention that ensures the two heads of the camera laser cutter can cut either the same or different designed patterns at the same time.

■ Auto Feeding Conveyor Table

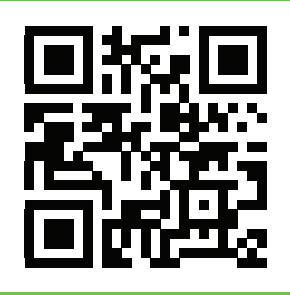
The KD1814 Series lasers are equipped with a chain conveyor belt, which can auto-feed the roll material right after the laser cutting process. With the optional active feeder, the operator only needs to take care of the cut pattern and pick up the job.



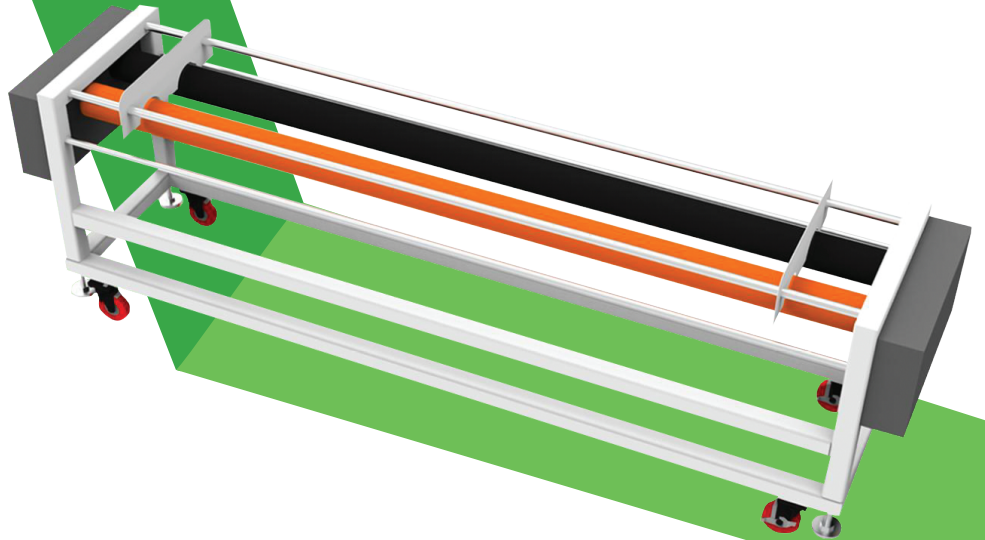
■ All-Round Safe Cover



The KD1814 Series was designed with safety in mind and features all-round safety covers. The laser cutter will stop cutting immediately if the door is opened.



AUTO ACTIVE FEEDER



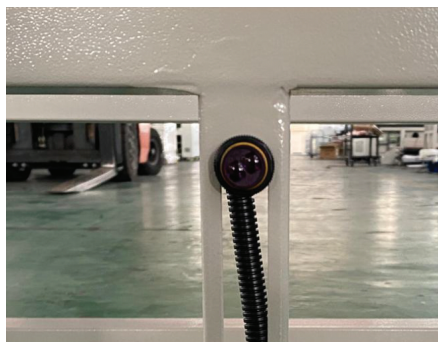
INTRODUCTION

KASU's auto active feeder is specifically designed for auto-feeding fabric or other soft roll goods. An electronic-eye automatically detects tension or slack in the material to feed the laser as needed.

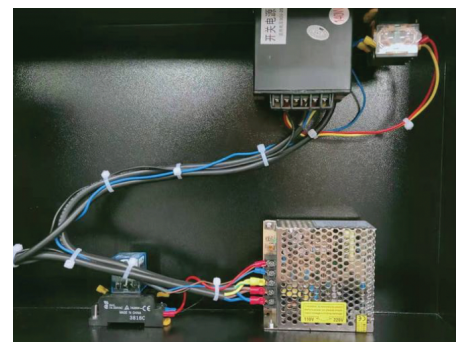
KEY FEATURES



High Temperature Hardened Steel Frame Structure



High Sensitivity Sensor Switch



Independent Control Board



Width Adjustable Fabric Stopper



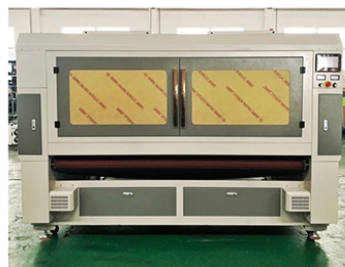
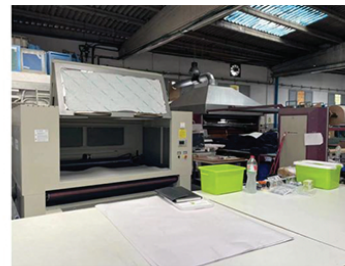
Well Designed Fabric Roller With Friction



Strong Universal Wheels & Machine Feet

MACHINE PARAMETERS

Working Area	70.87" x 47.24" Vision Mode 70.87" x 55.12" Non-Vision Mode	Software	KASU
Laser Type	Glass CO2 Laser Tube	Working Speed	< 3.28 ft per hour
Laser Power	80/100/130/150W	Power Supply Requirements	AC 220V+5% 50Hz/60Hz 1Phase
Heads of Laser	KD1814-S1-C Single Head KD1814-SY2-C Dual Heads on independent guide rails	Format Supported	A BMP PLT DXF DST
Dimensions-Actual/With Wood Pkg	DxWxH / 87" x 97" x 71" / 89.8" x 98.4" x 84.3"	Positioning Accuracy	+0.0039"
Gross Weight	3,196.7 lbs	Operating Temperature	minus 50°F-113°F
Motion System	Hybrid Step-Servo Motor	Operating Humidity	5-95%
Cooling System	5200 Industrial Water Chiller	Total Power	<1.5KW (Excluding exhauster)



CONTACT US

Contact us now and get a live demo of how our digital cutting solutions help increase your cutting workshop productivity and efficiency.

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