

Automatic Laser Fabric Cutting Machine

This automatic laser cutting machine is designed for processing leather, cloth, and fabric materials. It features high precision, large power, and fast cutting speeds for efficient operation and a long service life.



ADDITIONAL IMAGES



Overview



The enclosed design enhances operator safety while the gantry system ensures precise laser head movement across the large working area.

High-Efficiency Laser Cutting Solution

The SH-G16100 is a professional-grade CO2 laser cutting and engraving machine designed for high-precision processing of non-metal materials. Featuring a large 1600x1000mm working area and a 100W laser tube, it delivers fast cutting speeds and long service life for industrial applications. This versatile system is ideal for industries ranging from garment manufacturing to artistic engraving, offering exceptional accuracy and multi-color separation capabilities.

Performance Highlights

Key Performance Metrics

100 W

Laser Power

40000 mm/min

Max Moving Speed

0.01 mm

Locating Precision

Technical Specifications

Laser Source	Hermetic CO2 glass tube
Working Area	1600 x 1000 mm
Cutting Thickness	0-10 mm (material dependent)
Resolution Ratio	4500 dpi
Cooling System	Water cooling

Material & Application



Equipped with a conveyor system for continuous material feeding, ideal for processing rolls of fabric and leather.

Target Industries

- Garment manufacturing
- Textile production
- Leather goods fabrication
- Artistic engraving (portraits/badges)
- Packaging decoration

Applicable Materials	Plastic, Wood, Jade, Crystal, Rubber, Plexiglass, Resin, Bamboo, Leather, Cloth, Fabric
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Software & Control

Control Configuration	DSP
Data Transfer	USB (Offline support)
Compatible Software	CorelDraw, AutoCAD, Photoshop

Physical Dimensions

Machine Dimensions	1480 x 1000 x 1170 mm
Net Weight	200 kg

Operational Features

Safety & Protection

- Water supply cut-off protection
- Enclosed laser housing
- Emergency stop buttons

Color Separation	Up to 256 colors
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