

Laser Cutting Machine for Leather Seats

This machine utilizes laser technology to cut leather for automotive seats. It features automatic recognition capabilities for precise and efficient cutting.

Overview

High-Precision Leather Cutting Solution

This advanced laser cutting machine is specifically engineered for the genuine leather industry, including sofa, garment, and leather goods manufacturing. Featuring a high-precision digital CCD camera system, it automatically identifies leather defects and optimizes nesting for maximum material utilization. The system combines a vacuum conveyor table with automated pattern projection to ensure consistent, high-quality cutting results while minimizing waste.

Technical Specifications

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|-----------------------------|-------------------------|
| Laser Type | CO2 RF metal laser tube |
| Laser Power | 150 W |
| Cutting Area | 1600mm X 2500mm |
| Cutting Speed (No-load) | 18000 mm/min |
| Repeating Location Accuracy | 0.5 mm |
| Power Supply | AC220V / 50Hz |

Features & Technology

Supported File Formats

- AI
- BMP
- PLT
- DST
- Lectra
- Gerber

Key Features

CCD Camera System, Auto-Nesting, Vacuum Conveyor Table, Pattern Projection, Servo Motion System

System Components

Standard Included Equipment

- 550W Up Exhaust Fan
- 2x 1100W Down Exhaust Fans
- Top Exhaust Filtration System
- Assisted Mini Air Compressor
- Digital Camera
- Projector

Optional Upgrades

- 100W CO2 RF Metal Laser Tube
- 120W CO2 Hermetic Detached Laser Tube
- Auto Focus System
- 3KW Down Exhaust Fan

Performance Metrics

Efficiency Gains

12 %

Material Utilization Increase

15 MP

Camera Resolution