

CNC Metal Engraving Machine

This CNC engraving machine is designed for engraving, milling, and drilling of various metals. It is suitable for use on copper, iron, aluminum, and aluminum composite panels.



ADDITIONAL IMAGES



Overview

High-Precision CNC Metal Engraving

This compact CNC engraving machine is engineered for high-precision metalworking, featuring a robust gantry mode movement for long-term stability. Equipped with German double-nut automatic ball screws and imported linear guide rails, it ensures exceptional accuracy for intricate designs. The system supports continuous engraving after power or tool breaks, making it a reliable choice for professional workshops.

Key Performance Metrics

Performance Highlights

0.005 mm

Resolution

24000 rpm

Max Spindle Speed

9 pts

Breakpoints Held

Technical Specifications

Model Specifications

Feature	BX-3030	BX-6090
X/Y Working Area	300*300mm	600*900mm
Z Axis Working Area	120mm	120mm
Platform Size	380*380mm	720*1150mm
Max Working Speed	3m/min	4-5m/min
Reposition Accuracy	0.03mm	0.05mm
Spindle Power	800W	1.5kW

Material Compatibility

Applicable Materials

Copper, Iron, Aluminum, Atomic Stamp, Carbon Battery Plate, Aluminum Composite Panel, Brass, Steel

Software & Control

Compatible Software

- Type 3
- Artcam
- Castmate
- Artcut
- Autocad
- Other CAD/CAM software

OS Environment

Windows 98/2000/XP

Command Format

G Code, *.u00, *.mmg, *.plt

Mechanical Features

Drive System

- Germany double nuts automatic ball screw
- Imported linear guide rail
- Large power driving system
- Gantry mode movement
- Stepper Work Mode

Power Requirements

Input Voltage

AC220V/50Hz

Power (Without Spindle)

300 W

Certifications

Compliance

CE