

Libra Series

LASER ENGRAVING & CUTTING MACHINE



**LIBRA
480 NM**

U.S. IMPORTED
AUTO-FOCUSING
SENSOR



SMART AUTO-FOCUS
LASER HEAD



FOR METAL & NON METAL ITEMS



SAMPLES CUT FROM LIBRA 480NM



FEATURES

X, Y Axis adopt round rail and belt transmission to make machine more stable
Stable and full equipped design concept, equipped with advanced industrial cooling system with anhydrous alarm automatic protection system, improve the stability and safety of continuous work.
Full-equipped dust, anti pollution exhaust system, more attention to environmental protection.

APPLICATIONS

- Advertising Industry : Engraving and cutting on advertising materials such as Acrylic, Double Colour Board and so on.
- Leather and clothing Industry : Engraving and carving on leather and fabric.
- Art & Craft Industry : Engraving cutting on Paper, Wooden Packing Box, Bamboo Craft, Leather, Shell, Ivory and so on.
- Model Industry: Cutting on architectural model, aviation and navigation model and wooden toys.
- Packaging Industry : Engraving and cutting of printing rubber plate and cutting of sandwich plate and die board cutting.
- Decoration Industry : Engraving and cutting on electric products and relevant materials.

Materials can be cut in LIBRA 480NM

- Up to 30 mm Acrylic
- Up to 8 mm MDF
- Up to 1.0 mm MS
- Up to 0.8 mm Stainless Steel
- Fabric
- Paper & Paper Board

TECHNICAL SPECIFICATIONS

MODEL	LIBRA-480 NM
Laser Tube	180 Watt
PowerWorking Area	4 x 8 feet.
Laser Type	CO ₂ , Sealed Laser Tube, Wavelength 10.6um
Cooling System	Water Cooling
Power Adjustment	0-100% Stepless Control, 0-100% Adjustable in Software
Control and Driving	High Speed DSP Control, Stepper Motor High Subdividing Driving
Engraving Speed	0-70000 mm/min
Cutting Speed	0-18000 mm/min
Position Accuracy	≤ ± 0.01mm
Consuming Power	≤ 2000 W
Running Environment	Temperature: 0-45°C. Humidity : 5%-95% (free of condensed water)
Supported Format	PLT, DST, DXF, BMP, AI. Support AutoCAD, CorelDraw output directly
Working Voltage	AC220V/110V ±10% 50Hz/60Hz

Specification are liable to change without prior notice.

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