



Processing Capacity

Laser Type 80W CO2 Laser + 5W IR Laser (Optional)

Processing Mode Laser Cutting
Laser Engraving

Supported Materials Laser Cuttable: Wood, Acrylic, Fabric, Leather and more
Laser Engravable: Metal, Glass, Bamboo, Ceramic and more

Working Area 36" x 18" (915 mm x 458 mm)

Max. Working Speed 47.2 ips (1200 mm/s), X-axis Acceleration 19600 mm/s²

Max. Laser Cutting Capacity (Basswood) 0.79" (20 mm) in ONE PASS

Max. Laser Cutting Capacity (Acrylic) 0.98" (25 mm) in ONE PASS

Max. Processing Height 8.66" (220 mm)

Max. Rotary Engraving Diameter 0 - 7.87" (0 - 200 mm)

Smart Software

Supported Software xTool Studio

Operating System Windows/MacOS

Connection Method USB/Wi-Fi

Supported Files SVG/DXF/JPG/JPEG/PNG/BMP/TIF

Almake Compatibility Yes

Easy Operation

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ACS™ (Automated Creation System™) Yes

Built-in Camera 16 MP SkyView Panoramic Camera + Close-range Camera + Side Cam

Positioning Method Dual-Camera Positioning

Focus Mode Autofocus

Ranging System LiDAR Ranging System

Preview Method Smart Camera Preview

Accuracy & Precision

Laser Spot Size S Focal Lens: 0.0055" × 0.0063" (0.14 mm × 0.16 mm) (optional)
M Focal Lens: 0.0059" × 0.0071" (0.15 mm × 0.18 mm) (standard)
L Focal Lens: 0.0071" × 0.0079" (0.18 mm × 0.20 mm) (optional)

Positioning Precision 0.0079" (0.2 mm), Camera

Motion Accuracy 0.00039" (0.01 mm)

General Information

Safety Certification Class 1 Laser Safety

Product Dimensions 49.2" × 30.7" × 19.5" (1250 mm × 780 mm × 496 mm)

Product Weight 231.5 lb (105 kg)

Max. Machine Input Power 1400 W

Power Adapter Input Voltage 100 V - 240 V, AC 50/60 Hz