

makeblock



reddot award 2019
winner

laserbox

Smart desktop laser cutter

Bring sketch to Life | Easy to use | Gallery and lessons
Safe and eco-friendly



STEAM
Education

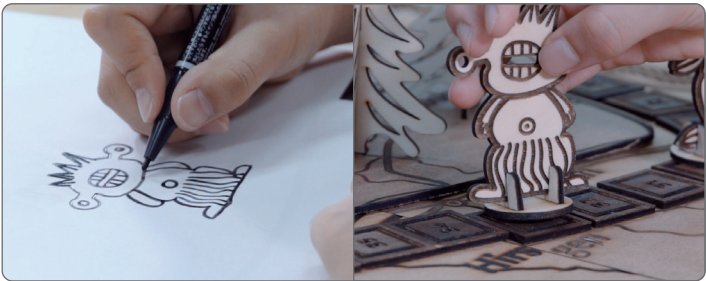
Science | Technology
Engineering | Art
Mathematics

Specially designed for education and creation, Laserbox reimagines and redefines laser operating performance by the use of a high-resolution ultra-wide-angle camera together with AI visual algorithm. The machine can auto-identify any official material and then set up the cutting-engraving parameters accordingly. Being a revolutionary laser machine defining operation through hand-drawing, Laserbox makes laser creation easy and fun!



Bring sketch to life in only 3 steps

Featuring the AI visual algorithm, Laserbox can follow the pattern drawn on the piece of material and programme the laser pathway automatically, and no operating software required! Just cut or engrave at the click of a button!



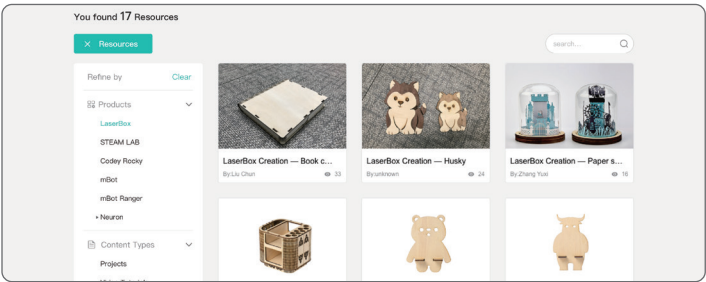
Easy to use

Laserbox's software interface shows which results you can expect - in real time. Drag and drop to change the image's size and position. Laserbox shows you a preview of your design on the material. With the smart image extraction function, you can copy patterns from any flat object that fits in the Laserbox with a single click - it couldn't be more efficient.



Gallery and Lessons

Packed with full cases and lessons, everyone can get started to create using Laserbox. Offering a structured curriculum consisting of 15 lessons, you can effortlessly pick up the ins and outs of laser-based design. Laserbox surely suits for both personal creation and classroom application.



Safe and eco-friendly

Laserbox has multiple safety features, it's even safe for children. Its safety lock auto-pauses the laser if someone opens the lid. And its smart smoke purifier adjusts the volume according to the working status of Laserbox, which ensures eco-friendly ventilation.



Specifications

Laser tube type and power	CO ₂ laser 40W	Autofocus	Material Recognition Autofocus, Material Set-up Autofocus, Visual Autofocus
Dimensions	958 × 528 × 268 mm	Connection	Wi-Fi, USB, Ethernet
Weight	40kg	Design software	Photoshop, Illustrator, CorelDRAW, AutoCAD, AutoDraw, Solidworks, and etc.
Working area	500 × 300 mm	File formats	JPG, PNG, BMP, TIF, DXF, SVG, CR2, and etc.
Z-axis height	25mm	Operating systems	Windows, macOS
Maximum cutting depth	15mm (Paulownia)	Material capability	Paper, corrugated paper, wood, acrylic, cloth, leather, base plate, ABS-based color board, PET, rubber, glass fiber, plastic, corian and other dozens of materials
Visual working area	490 × 290 mm		

Software



Laserbox

Smart laser cutting and engraving software

PC

- Visual interface
- Smart image extraction
- Gallery
- Smart pathway planning

More information:
www.makeblock.com/laserbox

Contact us:
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