



ORTUR

Enterprise
product
manual



Dongguan Ortur Intelligent Technologies Co., LTD.



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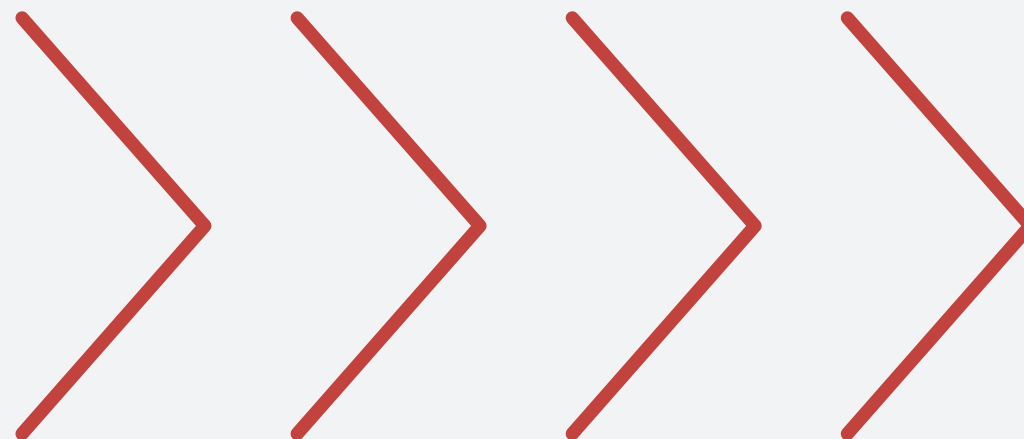
04

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01



Company Profile

- development process •
- cultural concept •
- Team Introduction Certificate •
- Certificate •
- Letters Patent •



● Development History



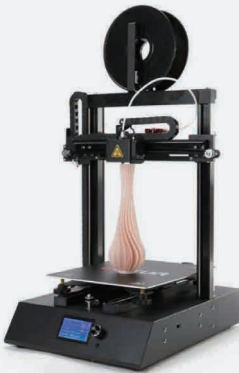
2016
ORTUR
Project team established

ORTUR Zeng Weixu, the founder of the company, is the 1 entrepreneur who is passionate about science and technology and art. He established Angtu Intelligent Technology Co., Ltd. in 2016.



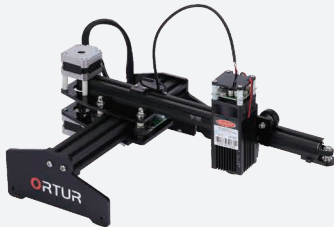
2018
ORTUR
Brand establishment

ORTUR, is a brand of Dongguan Antu Intelligent Technology Co., Ltd., specializing in the research and development, production and sales of desktop-level digital creative equipment. ORTUR's products include laser engraving machines, 3D printers, CNC engraving machines, etc., providing users with a variety of creative tools and platforms.

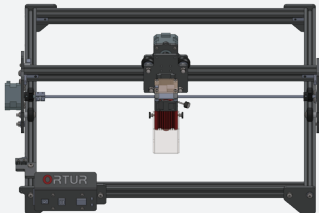


2018
Built-in biaxial center
Linear guide 3D printer listed

The first built-in biaxial linear guide 3D printer released
3D consumables workshop investment production



2019
ORTUR
First cantilever engraving machine OLM 1 Listed
Laser engraving machine OLM 1 listed
Laser engraving machine OLM 180 listed



2019
ORTUR Semiconductor
Laser engraving machine OLM 2 listed
The first 32-bit semiconductor laser engraving machine Laser Master series was released.



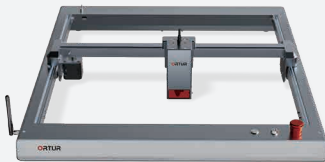
2020
CNC engraving machine
Listed with Obsidian 3D Printer



2021
Laser engraving machine OLM series listed
Laser engraving machine OLM2 S2
Laser engraving machine OLM2 PRO S2
Listed in the same year.



2021
Laser engraving machine Aufero series listed
Laser engraving machine Aufero Laser 1 listed
Laser engraving machine Aufero Laser 2 listed



2022
Laser Master OLM3 listed



2023
Laser Master OLM3 LE listed



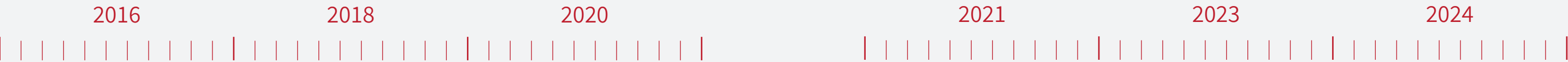
2023
Laser Master OLM H10 listed



2024
Laser Master R1 listed



2024
Laser Master H20 listed



● Cultural Concept

ORTUR, is a brand of Dongguan Antu Intelligent Technology Co., Ltd., specializing in the research and development, production and sales of desktop-level digital creative equipment. ORTUR's products include laser engraving machines, 3D printers, CNC engraving machines, etc., providing users with a variety of creative tools.

Zeng Weixu, the founder of ORTUR, is 1 entrepreneur who is passionate about technology and art. He likes to make various ideas since he was a child. He established Angtu Intelligence in 2016 and led a young and energetic team to build a leading brand in the desktop-level digital creative equipment industry. He believes that everyone is creative, but lacks the right tools to help realize creativity. His vision is that through ORTUR's products, everyone can easily realize their own creativity, enjoy the fun of creation, and show their personality and self.

We have always adhered to the concept of innovation, quality, service and cooperation, adhere to continuous innovation, and launched a series of products with advanced technology and excellent performance, such as OLM2 S2, OLM2ProS2, OLM3, H10, etc., to meet the needs of different users. ORTUR pays attention to quality and strictly controls the quality standards of the production process to ensure that each product can achieve the best working condition and use effect. ORTUR attaches importance to service, actively responds to users' feedback and suggestions, solves users' problems and difficulties in a timely manner, and provides professional and considerate after-sales support. ORTUR advocates collaboration and has established long-term partnerships with many small manufacturing companies, studios, artists and engineers to share experiences and resources to promote creativity and development.

As a pioneer in the laser engraving machine industry, ORTUR's mission is to provide users with the best desktop-level digital creative equipment and provide better solutions for human creative innovation. We believe that through ORTUR's products, users can unleash their imagination and create infinite possibilities that bring value and meaning to themselves and society.

ORTUR wants to be an influence in the desktop digital creative equipment industry, so that everyone can easily realize their own ideas, enjoy the fun of creating, and show personality and style.

From an entrepreneur with unlimited love for technology and art to a well-known brand with millions of users around the world, ORTUR provides a scene to show himself and a tool to realize creativity for every creative soul with its own products and services.

ORTUR, INDUCING CREATIVITY USING TECHNOLOGY.



● Team Introduction



The supply chain is the cornerstone of ORTUR, development and procurement teams. Establish close cooperation with supplier partners to ensure the quality of raw materials and the stability of supply. The development team is constantly looking for innovative materials and technologies, and the procurement team strictly selects partners to jointly build a sustainable supply chain system.



The manufacturing center is the guarantee of ORTUR, which strictly controls the production process and quality standards, continuously optimizes the process, and cooperates to ensure stable delivery.



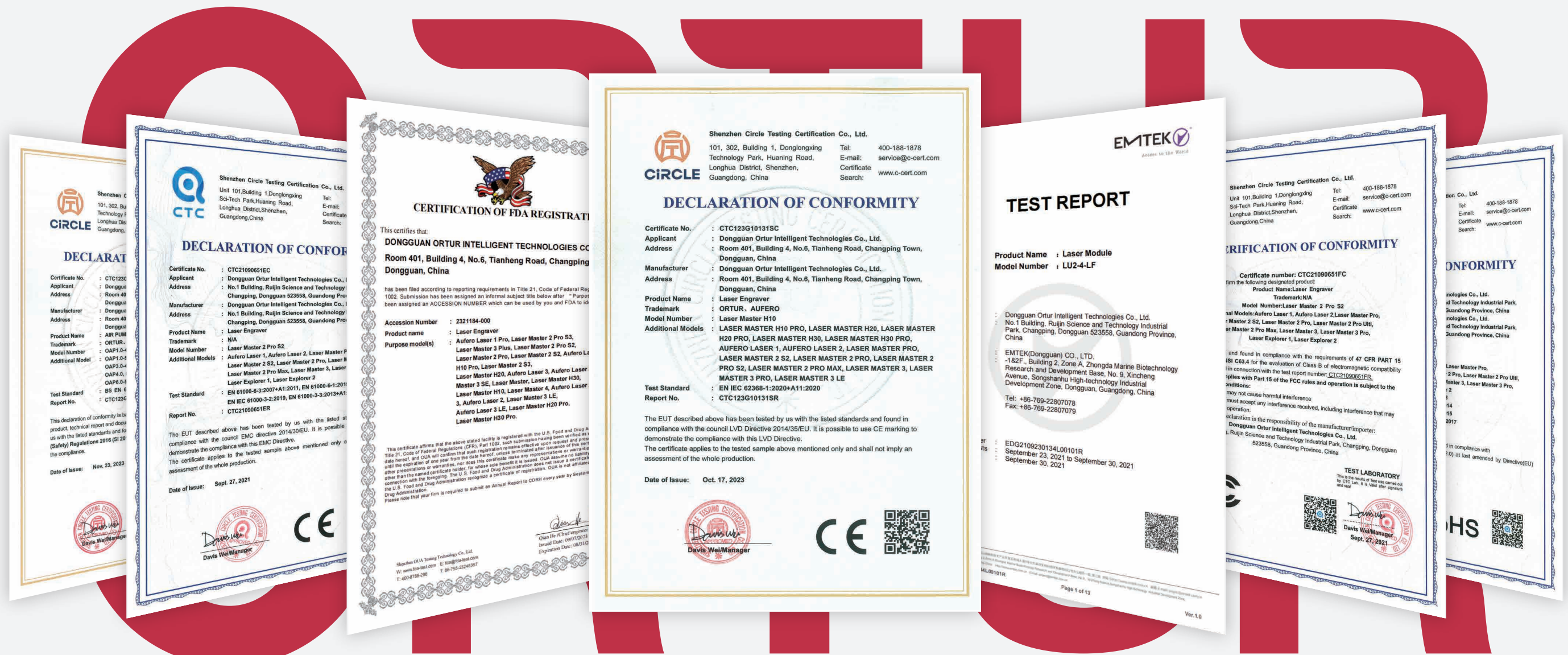
R & D is ORTUR's innovation engine, covering product design and software technology research and development teams. It brings together nearly 50 professionals who are passionate and innovative about technology. We are committed to creating creative equipment with advanced technology and excellent performance, and quickly respond to customer needs to provide a smarter and more convenient creative platform.



The marketing center is the reach of ORTUR brand and users, and is committed to providing users with professional product consulting and services to ensure that ORTUR's brand value and user needs are effectively transmitted. Connect with users to explore the possibilities of digital creativity.



High quality safety certificate with EU and US certification: CE, RoHS, WEEE, FCC, FDA, CPC, IEC



● Letters Patent

Letters Patent

30

Invention patent
certificate

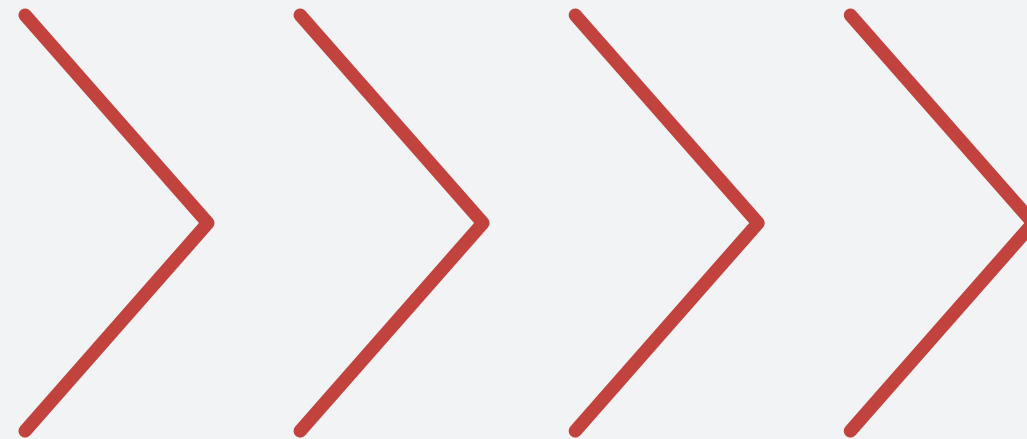
62

Utility model
patent certificate

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Appearance
patent certificate

02



Machine introduction

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- OLM 3 LE •
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- AL3 •
- AL 2 •
- AL 1 •
- 3D Printer •
- CNC Engraving machine •



H20

H20 is an innovative laser engraving machine featuring a detachable sandwich structure design, providing users with a flexible and convenient operating experience. This engraver integrates multiple advanced functions, including visual positioning, automatic edge detection, auxiliary laser focusing, and curved surface focusing, significantly enhancing work efficiency and engraving precision. It supports a variety of laser modules, including 10W, 20W, and 40W blue light modules and a 1064nm infrared module. Users can choose different power levels and wavelengths according to their needs. Suitable for engraving and cutting a wide range of materials, it delivers excellent performance and stable quality.



Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
Aluminum alloy acrylic	623*486*285mm	720*555*480mm	11200g	20000g	Complete machine delivery	Professional, safe and rich selection of accessories

Hardware parameter					
Motor specification	Speed of work	Work area	Scalable area	Support function	Safety protection
Step Motor Nema 17 (X38/Y58mm)	20000mm/min	1064nm: 2w--420*270mm 455nm: 10w--420*300mm 20w--420*300mm 40w--420*280mm	/	WIFI, APP, USB, TF	1. Safety lock 2. Emergency stop button 3. Active position protection 4. Tilt motion detection 5. Connect the monitor by USB 6. Anti-crash watchdog mechanism 7. Laser irradiation time limit 8. Voltage and current safety control system 9. Safety door interlocking 10. Fully enclosed case 11. Flame Detection (40w)

Laser module optional

H20-2W



H20-10W



H20-20W



H20-40W



Accessory selection



YRR Series



YRC Series



OSP Smoke purifier

F10

It's a high-capacity model designed for large materials with continuous engraving capabilities, especially suitable for high-precision needs. The F10 features include a broad work area (118" x 15.75") with AutoPassthrough Technology for continuous feeding of large items. This model is also compatible with multiple laser modules (10W, 20W, 40W, and 1064nm 2W), allowing flexibility for diverse engraving requirements.

Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
Metal acrylic	574* 212*176mm	625*342*227mm	5200g	9600g	Complete machine delivery	Automatic feeding, easy installation

Hardware parameter					
Motor specification	Speed of work	Work area	Scalable area	Support function	Safety protection
Step Motor Nema 17 (X38/Y58mm)	20000mm/min	X400, Y3000	/	WIFI, APP, USB, TF	1. Active position protection 2. Tilt motion detection 3. Connect the monitor by USB 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system 7. Safety door interlocking 8. Fully enclosed case

Laser module optional

LU2-10B



LU3-20B



LU3-40A



Accessory selection



OSP Smoke purifier



OAP Air pump series



H10

H10, released in October 2023, is ORTUR's latest box engraver. The appearance design is small and exquisite, and the office desktop can be placed and used. More excellent performance, super quiet, precise carving. The whole machine is delivered without installation troubles, simple operation and more friendly and considerate design for novice customers. 340 color metal engraving realizes more possibilities for your work, with large safety functions of detecting exposure, tilt, offset, current and voltage, USB connection 5, which is safer and more reliable to use. Whether you are a novice or a professional, you can find the joy of engraving from the H10.



ORTUR

Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
Aluminum alloy	507*558*130mm	615*566*85mm	4,000g	6,210g/6,260g/6,450g/8,150g	Whole machine delivery	Lightweight, high rigidity and durability, low center of gravity design more stable

Hardware Parameters						
Motor specifications	Working speed	Work area	Expandable Area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X38/Y58mm)	20,000mm/min	X300*Y300mm (5.5w, 10w, 20w)	/	OLM-ESP-PRO-V2.7	WIFI/APP /USB/TF Card	1. Active position protection 2. Tilt motion detection 3. USB connection monitor 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system

Laser module optional

LU2-4-LF



LU2-4-SF



LU2-10B



LU3-20B



LU3-40B



Accessory selection


YRR Series


YRC Series


OAP Air pump series


Elevated foot series


OSP Smoke purifier


OE 2.0 Fire box


LEP Engraving platform


Z-axis regulator

OLM 3LE

Ortur Laser Master 3LE is an OLM 3 brother model that sells well in OLM3 and was released in February 2023 in response to the voice of a large number of users. Compared with OLM3 he is lighter, smaller and more concise. Whether beginners or professionals, can easily get started. Compatible with a variety of file formats, equipped with convenient mobile phone App, creative anytime, anywhere. Safety design is well considered, so that you have no worries when creating, is the perfect companion for creative journey. Choose the Ortur Laser Master 3le, choose excellent performance, choose simple creation. Break the boundaries of creation and breathe life into your creative dreams!



Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
steel aluminum alloy	614*588*128mm	670*330*130mm	4,500g	6,500g/6,700g	Disassemble and ship	High rigidity and durability low center of gravity design is more stable

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X38/Y58mm)	15,000mm/min	X400*Y400mm (2.1w, 5.5w) X400*Y380mm (20w)	X400*Y830mm (2.1w, 5.5w) X400*Y810mm (20w)	OLM-ESP-PRO-V2.4D	WIFI/APP /USB/TF Card	1. Active position protection 2. Tilt motion detection 3. Connect the monitor by USB 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system

Laser module optional

LU2-4-LF

LU2-4-SF

LU2-10A

LU3-20B

LU3-40A

Accessory selection

YRR Series

YRC Series

OAP Air pump series

OUR Booster foot

OSP Smoke purifier

OE 2.0 Fire box

LEP Engraving platform

ETK Extension bar

Z-axis regulator

OLM 3

Ortur Laser Master 3 is the culmination of ORTUR's technological prowess and will be released in June 2022. Blending cutting-edge innovation with an industrial aesthetic, this machine embodies the perfect combination of form and function, with a stylish design and a sturdy construction that meets the demands of modern craftsmanship.

Equipped with a powerful 20W laser module, it provides unmatched precision and efficiency in engraving and cutting tasks. Whether you are an amateur, an artist or a professional, we enable you to bring your ideas to life.

The Ortur Laser Master 3 is a powerful, safe, versatile and affordable DIY laser engraving and cutting machine that is ideal for your creative realization.



Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
Aluminium alloy	658*625*150mm	660*230*230mm	4,300g	6,900g/7,400g/10,000g	Disassemble and ship	Lightweight, high rigidity and durability low center of gravity design is more stable

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X38/Y58mm)	20,000mm/min	X400*Y400mm (10w) X400*Y380mm (20w)	X400*Y850mm (10w) X400*Y830mm (20w)	OLM-ESP-PRO-V2.4	WIFI/APP /USB/TF Card	1. Safety lock 2. Emergency stop button 3. Active position protection 4. Tilt motion detection 5. Connect the monitor by USB 6. Anti-crash watchdog mechanism 7. Laser irradiation time limit 8. Voltage and current safety control system

Laser module optional

LU2-10A

LU3-20A

LU3-40A

Accessory selection

YRR Series

YRC Series

OAP Air pump series

FFT Folding foot

OSP Smoke purifier

OE 2.0 Fire box

LEP Engraving platform

ETK Extension bar

Z-axis regulator

OLM 2Pro S2

Ortur Laser Master 2 Pro S2 is an innovative desktop Laser engraving and cutting machine, which is an upgraded version of the Ortur Laser Master 2 S2. Released in April 2021 It can cut and carve a wide range of materials at up to 10,000 mm/min in a 400mm x 400mm working area. With all-metal structure, durable, smooth operation. Is a strong performance, safe and reliable, widely applicable, affordable DIY Laser engraving and cutting machine, praised by a lot of creative workers, today, Ortur Laser Master 2 Pro S2 is still selling well.

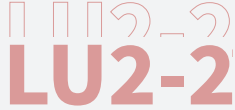


Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
steel aluminum alloy	600*570*130mm	660*250*110mm	3,800g	4,950g/5,200g	Disassemble and ship	Lightweight, low center of gravity design more stable

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X29/Y38mm)	10,000mm/min	X400*Y400mm	X400*Y800mm	OLM-ESP-PRO-V1.2A	USB	1. Emergency stop button 2. Flame detection 3. Active position protection 4. Tilt motion detection 5. Connect the monitor by USB 6. Anti-crash watchdog mechanism 7. Laser irradiation time limit 8. Voltage and current safety control system

Laser module optional









Accessory selection



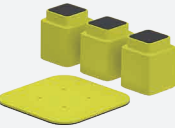
YRR Series



YRC Series



OAP Air pump series



OUR Booster foot



OSP Smoke purifier



OE 2.0 Fire box



LEP Engraving platform



ETK Extension bar

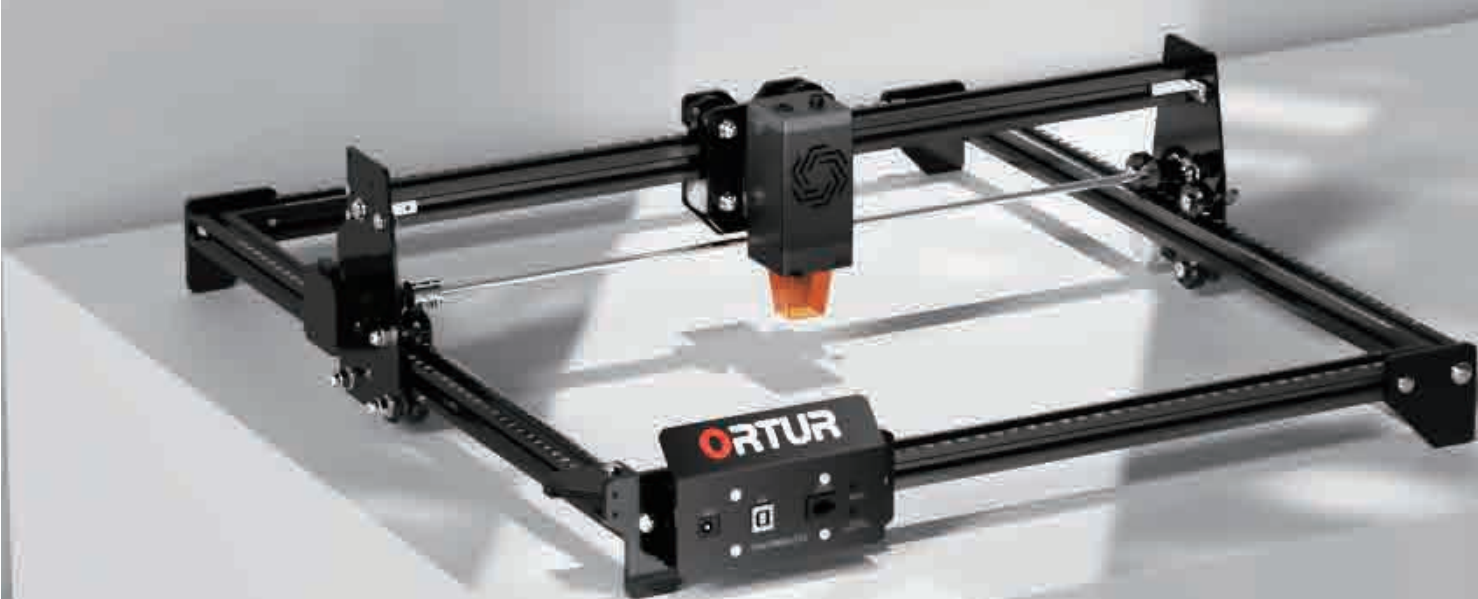


Z-axis regulator

OLM 2 S2

Ortur Laser Master 2 S2 is an innovative product released in August 2020. It combines advanced technology and industrial design to provide users with an efficient and accurate sculpting experience.

It allows you to create stunning pieces on a variety of materials, with a maximum engraving speed of 10,000mm/min, making your work appear faster in front of your eyes. It also has a variety of safety protection functions to make your use safer and more assured. The Ortur Laser Master 2 S2 is a laser engraving and cutting machine for makers, artists, designers, educators and enthusiasts. It can make your creativity infinitely larger and make your works more exciting.



Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
Acrylic plate aluminum alloy	580*550*150mm	620*230*130mm	2,400g	3,650g/4,000g	Disassemble and ship	Light weight

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X29/Y38mm)	5,000mm/min	X390*Y410mm (2.1w, 5.5w) X390*Y400mm (10w)	X390*Y800mm (2.1w, 5.5w) X390*Y790mm (10w)	OLM-ESP-PRO-V1.2A	USB	1. Active position protection 2. Tilt motion detection 3. Connect the monitor by USB 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system

Laser module optional









Accessory selection



YRR Series



YRC Series



OAP Air pump series



OUR Booster foot



OSP Smoke purifier



OE 2.0 Fire box



LEP Engraving platform



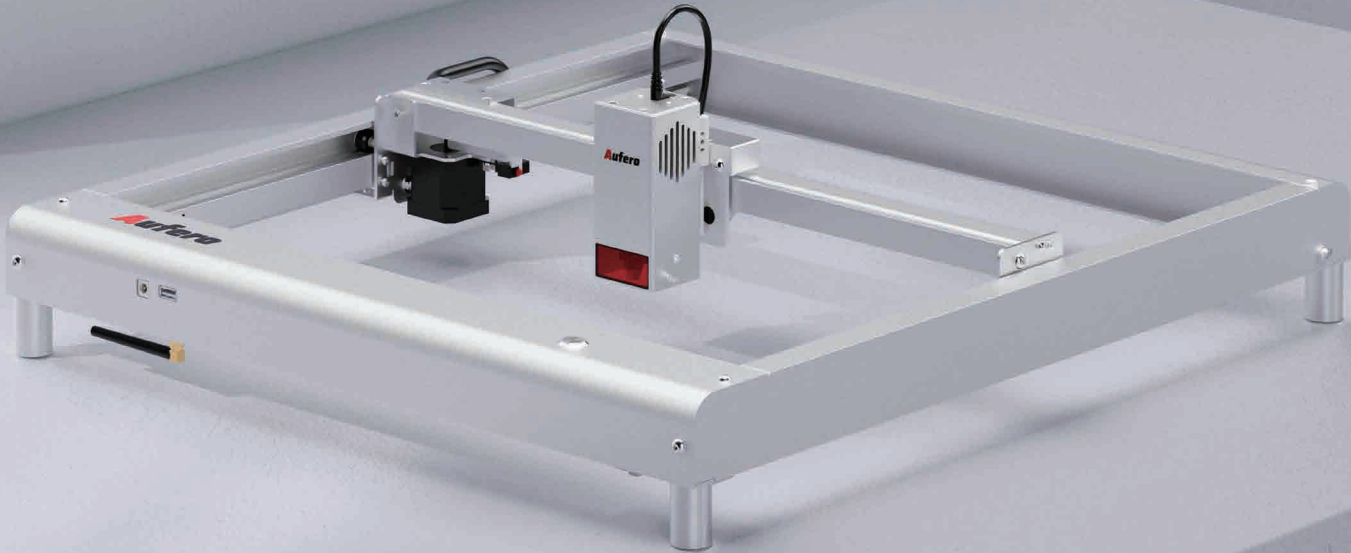
ETK Extension bar



Z-axis regulator

AL 3

Efficient and enhanced, the AL3 is an upgrade from the AL2 with advanced app integration and compatibility with up to a powerful 40W laser module. Offering seamless control through its app, it enables precise engraving and cutting across a wide range of materials, making it versatile and user-friendly.



Aufero

Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
6 series aluminum profile	621*558*383MM	686*220*190mm	3,900g	5,800g	Disassemble and ship	Light weight

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X29/Y29mm*2)	20000mm/min	X400 Y400mm	/	OLM-ESP-PRO-V2.1A	APP, USB	1. Active position protection 2. Tilt motion detection 3. Connect the monitor by USB 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system

Laser module optional

LU2-4-LF



LU2-4-SF



LU2-10B



LU3-20B



LU3-40B



Accessory selection



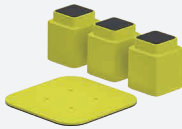
YRR Series



YRC Series



OAP Air pump series



OUR Booster foot



OSP Smoke purifier



OE 2.0 Fire box



LEP Engraving platform



Z-axis regulator

AL 2

Aufero Laser 2 Laser engraving machine combines safety, cost performance and high performance to bring you a new creative experience. You can use it to carve wood, leather, acrylic and other materials, create personalized art, gift customization, home decoration and more. As a star product in the middle market, it has won the favor of countless consumers with its affordable price and excellent quality. Numerous successful cases prove that choosing Aufero Laser 2 is about choosing quality and trust. Whether it is creative design, educational learning or personal DIY, it can bring you unlimited fun and creativity.

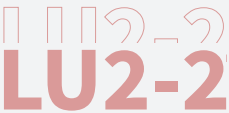
Aufero

Parameters

Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
SPCC sheet + 6 series aluminum profile	480x380x170MM	615*566*85mm	3,000g	4,200g	Disassemble and ship	Light weight

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X29/Y29mm*2)	10200mm/min	X390 Y390mm	X390*Y600mm	OLM-ESP-PRO-V2.1A	USB	1. Active position protection 2. Tilt motion detection 3. Connect the monitor by USB 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system

Laser module optional









Accessory selection



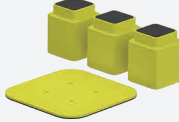
YRR Series



YRC Series



OAP Air pump series



OUR Booster foot



OSP Smoke purifier



OE 2.0 Fire box



LEP Engraving platform



ETK Extension bar



Z-axis regulator

AL 1

Aufero Laser 1 is a laser engraver for entry-level hobbyists, with a pre-assembled and easy-to-use interface, and multiple protection mechanisms for top-notch safety. Whether it is for home decoration, personal creativity or educational purposes, the Aufero Laser 1 Laser engraving machine helps you realize your creativity and dreams.



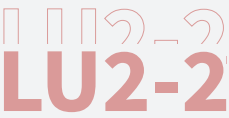
Aufero

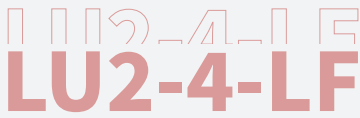
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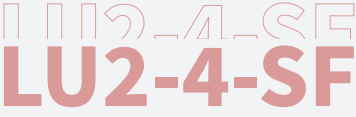
Machine specifications						
Machine Material	Machine Dimensions	Packing size	Machine weight	Packing weight	Delivery method	Product Features
Aluminum profile acrylic	450*320*140mm	480*380*170mm	1,565g	3,300g	Complete machine delivery	Light weight

Hardware parameter						
Motor specification	Speed of work	Work area	Scalable area	Motherboard model	Support function	Safety protection
Step Motor Nema 17 (X29/Y29mm)	3000mm/min	X180*Y180mm	/	OLM-ESP-PRO-V1.2A	USB	1. Active position protection 2. Tilt motion detection 3. Connect the monitor by USB 4. Anti-crash watchdog mechanism 5. Laser irradiation time limit 6. Voltage and current safety control system

Laser module optional









Accessory selection



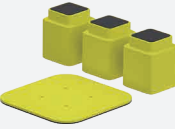
YRR Series



YRC Series



OAP Air pump series



OUR Booster foot



OSP Smoke purifier



OE 2.0 Fire box



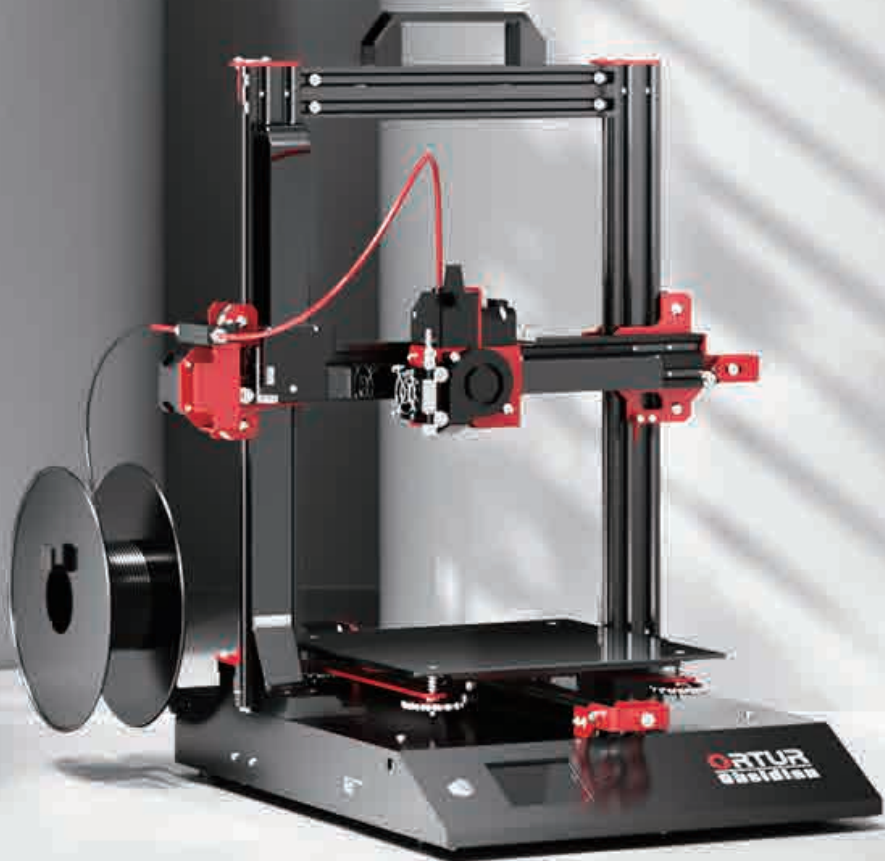
LEP Engraving platform



Z-axis regulator

OBSIDIAN

Ortur Obsidian 3D printer is a high-performance device released in June 2020, featuring a 250mm x 250mm x 300mm print area, construction materials for aluminum extrusion and a sheet metal chassis, and features for silent printing. It is compatible with a variety of printing materials and uses the latest Marlin_RTOS firmware and Freertos operating system. In addition, it is equipped with a smart power control unit, Ortur6 motherboard, integrated flat cabling, and the ability to quickly assemble. It also has functions such as power failure recovery, automatic bed leveling, and broken material detection, and the nozzle temperature can reach 260 ° C and the bed temperature can reach 110 ° C, providing strong support for your 3D printing needs.

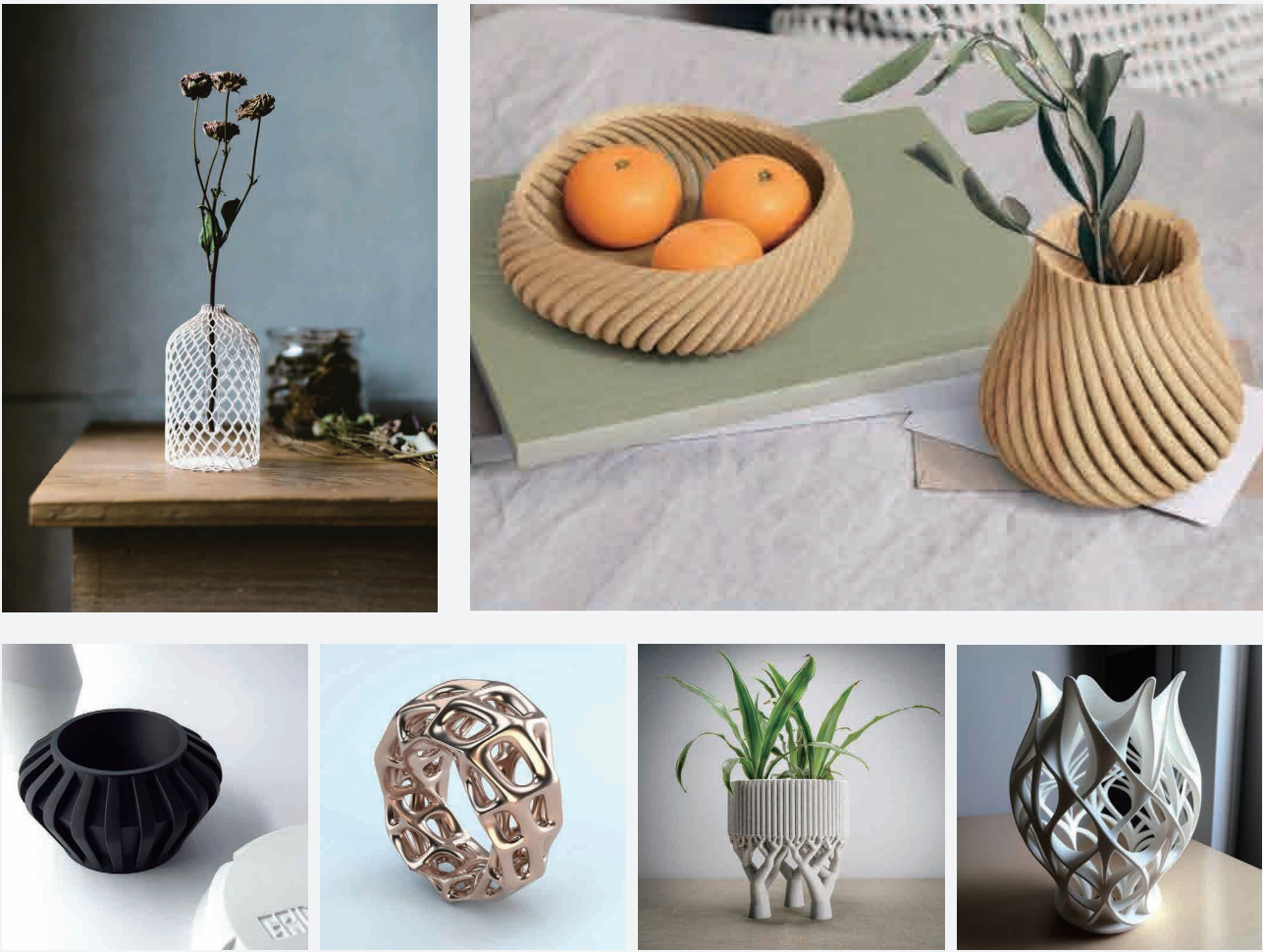


ORTUR

Parameters

colour:	
Machine size:	507*505*539mm
Rated power:	360W
Net machine weight:	11KG
Print area:	250*250*300mm
hotbed:	24V1280±10%
Support system:	PC:Windows & Mac OS:web
Support format:	jpg, svg, png, bmp, Gcode, CAD, AI,CDR, dwg format

Work display



CNC Engraving machine

Launched in August 2020, the Ortur CNC engraving machine is a sophisticated, versatile and powerful tool. The machine has fast data processing capabilities and extended functions, the industrial grade all-metal design and the superior cutting capability provided by the 997 DC motor make it easy to handle a wide range of materials, and the addition of a 12mm precision polished shaft ensures unparalleled stability, precision and durability. Features such as XY belt tensioning make it easy to adjust the engraving position.

The overall wiring design is not only beautiful, but also can minimize the risk of failure. The safety emergency stop device ensures the safety of the user during operation. Multiple control options, including WiFi remote control, a 3.2-inch touchscreen and USB connectivity, provide greater flexibility. In addition, modular installation enables even beginners to complete the installation in a short time.

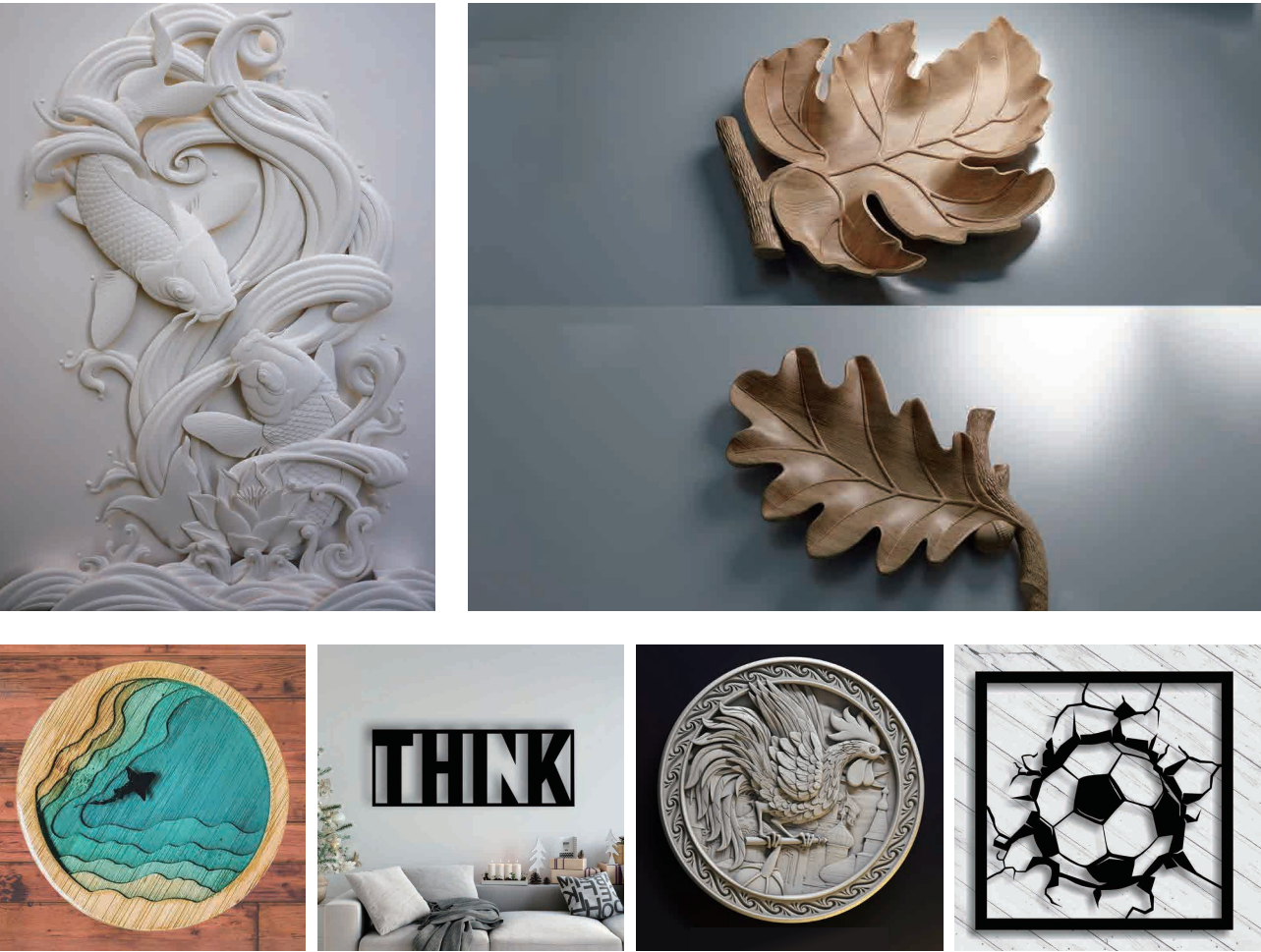


ORTUR

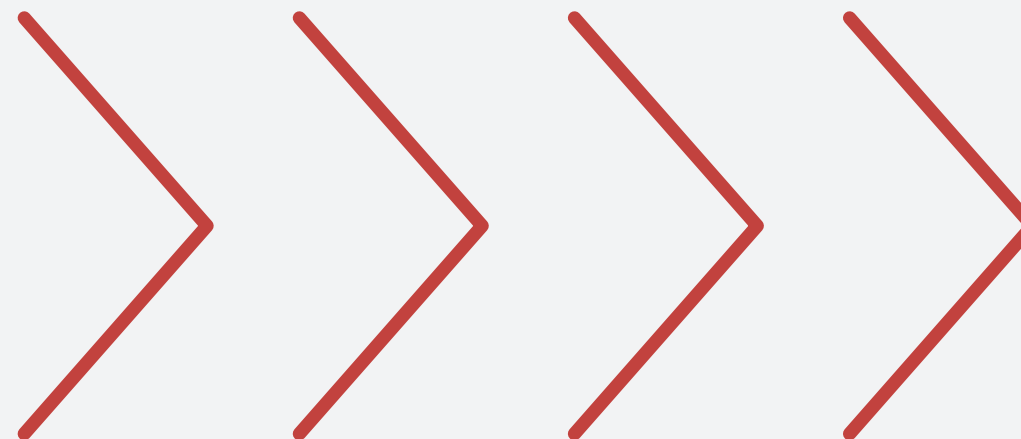
Parameters

colour:	●
Module size:	523*337*394mm
Machine material:	Aluminum parts + aluminum profiles
Net machine weight:	8KG
Print area:	300 * 180 *50mm
Support system:	Windows、Linux and MAC IOS
Support format:	jpg, svg, png, bmp, Gcode, CAD, AI,CDR, dwg format

Work display



03



Laser module introduction

- LU3-40A •
- LU3-40B •
- LU3-20B •
- LU3-20A •
- LU2-10B •
- LU2-10A •
- LU2-4-SF •
- LU2-4-LF •
- LU2-2 •
- LU2-5 •





LU3-40A



Fit for cutting

colour:	
Module size:	75*71*152mm
Package size:	277*218*108mm
Module net weight:	970g
Service life:	8000h
Focal length:	56mm
Spot size:	0.16*0.2mm
Laser wavelength:	450nm
Adaptive model:	OLM 3/OLM 3LE
Input power:	135W
Output optical power:	20W/40W
Single maximum cut:	20mm

LU3-40A is ORTUR's latest laser module with an output capacity of 40W, which gives it excellent stability and cutting ability when handling thicker materials, making it ideal for professional applications with high power requirements. In addition to its powerful functions, in the appearance we designed lavender, industrial gray, silver three colors for customers to choose, customers can choose their favorite color according to their own models to match.

Work display



LU3-40B



Fit for cutting

colour:	
Module size:	75*71*152mm
Package size:	277*218*108mm
Module net weight:	555g
Service life:	8000h
Focal length:	56mm
Spot size:	0.16*0.2mm
Laser wavelength:	450nm
Adaptive model:	OLM H10
Input power:	135W
Output optical power:	40w
Single maximum cut:	13mm

LU3-40B laser module, available in black and lilac, is designed for the H10 laser module. With a powerful 20W laser power, compared with LU3-20A, LU3-20B has been fine tuned in the focal length and spot size, the focal length is shortened to 46mm, and the spot size is slightly larger, providing users with more flexible engraving options and showing more diverse creation possibilities. This laser module is recommended for use with an air pump for improved results and longer life, and the fast focusing rod is equipped to make focusing easy and convenient. With outstanding performance and unique appearance, the LU3-20B laser module brings more possibilities for your creative engraving and helps you create unique artistic works.

Work display



LU3-20A



Fit for cutting

colour:	
Module size:	58*63.6*140mm
Package size:	260*200*110mm
Module net weight:	555g
Service life:	8000-10000h
Focal length:	56.5mm
Spot size:	0.08*0.08mm
Laser wavelength:	450nm
Adaptive model:	OLM 3LE/OLM 3
Input power:	75w
Output optical power:	20w
Single maximum cut:	14mm

LU3-20A laser module, with a powerful 20W laser power, using ultra-fine compressed light spot to achieve the highest accuracy; The breakthrough COS packaging technology combines 4 diode laser beams to compress a finer beam and powerful energy, presenting a 20W laser visible real power; A powerful cooling system with dual fan speeds of up to 10,000 rpm increases the durability of the laser, ensuring a service life of up to 10,000 hours.

The combination of the ventilation shutter and the built-in tube control the cooling air flow effectively reduces dust accumulation on the lens and reduces wear. The laser shield is made of durable glass material, which effectively filters out 97% of the laser, providing you with a safe and comfortable engraving scene.

Work display



LU3-20B



Fit for cutting

colour:	
Module size:	58*63.6*140mm
Package size:	260*200*110mm
Module net weight:	555g
Service life:	8000-10000h
Focal length:	46mm
Spot size:	0.1x0.12mm
Laser wavelength:	450nm
Adaptive model:	OLM H10
Input power:	75W
Output optical power:	20w
Single maximum cut:	13mm

LU3-20B laser module is available in two colors: black and lavender. With a powerful 20W laser power, compared with LU3-20A, LU3-20B has been fine tuned in the focal length and spot size, the focal length is shortened to 46mm, and the spot size is slightly larger, providing users with more flexible engraving options and showing more diverse creation possibilities. This laser module is recommended for use with an air pump for improved results and longer life, and the fast focusing rod is equipped to make focusing easy and convenient.

With outstanding performance and unique appearance, the LU3-20B laser module brings more possibilities for your creative engraving and helps you create unique artistic works.

Work display





LU2-10A



Suitable for carving/cutting

colour:	
Module size:	44*55*120mm
Package size:	220*100*100mm
Module net weight:	235g
Service life:	>10000/h
Focal length:	50mm
Spot size:	0.05*0.1mm
Laser wavelength:	450nm
Adaptive model:	AL 1/AL 2/OLM 2 S2/OLM 2Pro S2/OLM 3/OLM 3LE
Input powe:	45w
Output optical power:	10W
Single maximum cut:	8mm

LU2-10W laser module is compatible with a wide range of laser engraving machines and is suitable for a wide range of materials to achieve true 10W laser output power. Upgraded with dual compression diode technology, the laser module surpasses ordinary lasers in cutting penetration and accuracy, and can easily cut 20mm wood and 30mm acrylic plates. Built-in air assist interface designed for cutting tasks. The use of ultra-thin square compressed light spot, to achieve more fine carving process, especially suitable for portrait carving.

The laser head is equipped with dual 5.5w lasers for faster engraving speeds via LightBurn or LaserGRBL Settings. The dual fan cooling design ensures the long-term stable operation of the laser module and effectively prevents power failure caused by overheating.

Work display



LU2-10B



Suitable for carving/cutting

colour:	
Module size:	44.6*47.1*118mm
Package size:	220*100*100mm
Module net weight:	340g
Service life:	>10000/h
Focal length:	50mm
Spot size:	0.05*0.1mm
Laser wavelength:	450nm
Adaptive model:	OLM H10
Input power:	45w
Output optical power:	10w
Single maximum cut:	8mm

LU2-10B laser module, designed for the H10 laser engraving machine, presents a lavender appearance and is a highly compatible laser creative sharpener. Compared with the LU2-10A, the module has been cleverly designed in terms of overall size, which is more light-weight and flexible, providing users with a more convenient experience.

The double compression diode technology is upgraded, making it excellent in terms of cutting penetration and accuracy. Whether it's easy to cut 20mm wood or 30mm acrylic, the LU2-10B can handle it. The built-in air assist interface is designed for cutting tasks, providing users with an efficient and convenient working environment. The dual fan cooling design effectively guarantees the long-term stable operation of the LU2-10B laser module and prevents power failure caused by overheating.

Work display



LU2-4-SF



Suitable for carving/cutting

colour:	●
Module size:	41*40*123mm
Package size:	180*80*80mm
Module net weight:	196g
Service life:	>8000/h
Focal length:	30mm
Spot size:	0.12*0.15mm
Laser wavelength:	450nm
Adaptive model:	AL 1/AL 2/OLM 2 S2/OLM 2Pro S2/OLM 3LE/H10
Input power:	20w
Output optical power:	5.5w
Single maximum cut:	5mm

LU2-4-SF short focus laser module shows the perfect combination of smooth design and excellent performance. Its red shell and short focal length design add a unique artistic flair to the laser engraving machine. Small and powerful, suitable for a variety of creative carving tasks, lightweight appearance allows users to carry, create more delicate works. LU2-4-SF laser module, the perfect combination of practicality and beauty.

Work display



LU2-4-LF



Suitable for carving/cutting

colour:	●
Module size:	40*42*112mm
Package size:	220*80*80mm
Module net weight:	196g
Service life:	>8000/h
Focal length:	50mm
Spot size:	0.17*0.25mm
Laser wavelength:	450nm
Adaptive model:	AL 1/AL 2/OLM 2 S2/OLM 2Pro S2/OLM 3LE/H10
Input power:	20w
Output optical power:	5.5w
Single maximum cut:	5mm

LU2-4-LF telephoto laser module skillfully combines unique design with superior performance, becoming a representative of fashion and practicality. In appearance, it is based on the fashion elements that lead the design trend of laser engraving machine, with unique charm. In terms of performance, its long focal length design makes it excellent in cutting tasks, providing users with a more efficient work experience. With a clever balance of fashion and utility, this laser module offers more possibilities for creators.

Work display



LU2-2



Suitable for carving/cutting

colour:	●
Module size:	40*41*97mm
Package size:	220*80*80mm
Module net weight:	143.6g
Service life:	≥15000 /h
Focal length:	30mm
Spot size:	0.07*0.06mm
Laser wavelength:	450nm
Adaptive model:	AL 1/AL 2/OLM 2 S2/OLM 2Pro S2
Input power:	10w
Output optical power:	2.1w
Single maximum cut:	/

LU2-2 (2.1W) laser module features personalized design and practicality, making it a fashionable choice for laser engraving machines. The red appearance and small size give it a unique style, and the high-precision engraving effect meets the detailed requirements of users. Compatible with a variety of laser engraving machines, LU2-2 (2.1W) laser modules focus on the perfect integration of creativity and practicality, to create more unique and exquisite engraving products for users.

Work display



LU2-5



Suitable for carving/cutting

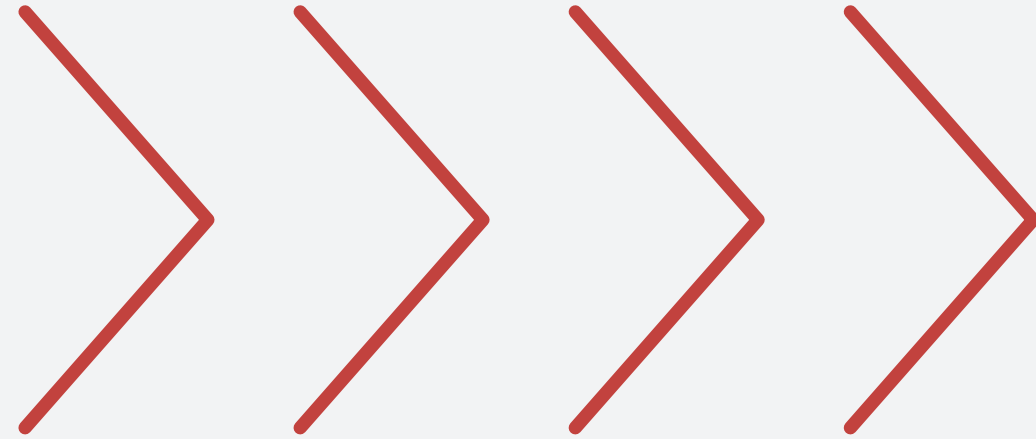
colour:	●
Module size:	40*44*106.5mm
Package size:	220*80*80mm
Module net weight:	196g
Service life:	>8000/h
Focal length:	40mm
Spot size:	0.12*0.15mm
Laser wavelength:	450nm
Adaptive model:	AL 1/AL 2/OLM 2 S2/OLM 2Pro S2/OLM 3LE/H10
Input power:	20w
Output optical power:	5.5w
Single maximum cut:	5mm

LU2-4-LF telephoto laser module skillfully combines unique design with superior performance, becoming a representative of fashion and practicality. In appearance, it is based on the fashion elements that lead the design trend of laser engraving machine, with unique charm. In terms of performance, its long focal length design makes it excellent in cutting tasks, providing users with a more efficient work experience. With a clever balance of fashion and utility, this laser module offers more possibilities for creators.

Work display



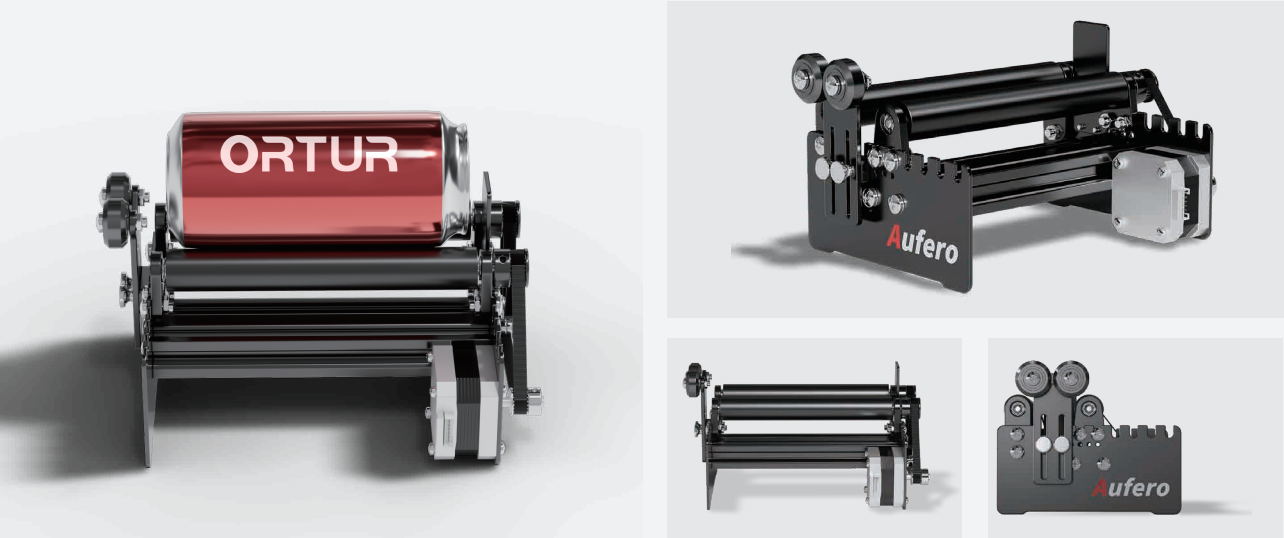
04



Accessories introduction

- Y axis rotation roller (YRR 2.0) •
- Y axis rotation roller (YRR 3.0) •
- Y axis rotary chuck (YRC1.0) •
- Y axis rotary chuck (YRC2.0) •
- air pump(OAP1.0 - 50L) •
- air pump(OAP1.0 - 40L) •
- LEP-laser engraving platform •
- OE2.0-Fire box •
- OSP-Smoke purifier •
- ETK2.0 Extension Rod(OLM 3LE) •
- ETK2.0 Extension Rod(OLM 3) •
- ETK1.0 Extension Rod(OLM 2Pro S2) •
- ETK1.0 Extension Rod(OLM 2S2) •
- ETK1.0 Extension Rod(AL 2) •
- FFT1.0-Folding feet •
- OUR1.0-Elevated feet •
- ORP1.0-Elevated feet •
- ZLD-1.0 Z-axis regulator •

Y axis rotation roller (YRR 2.0)



Basic information

Color:	●
Dimensions:	184*129*81
Weight:	1.1kg
Material:	Series 6 aluminum A3 plate silicone rubber
Drive mode:	Single motor drive
Drum moving stroke:	4-72mm
Engraving diameter:	Cylinder: 8-110mm Goblet: 1-100mm

Product Introduction

The Y-axis rotary roller (YRR 2.0) is specially designed for engraving cylindrical objects. It has 7 width gears and a liftable tailstock design, making it suitable for engraving or cutting cylindrical objects of different diameters, such as logs, cups, bottles, pipes, bowls, drums and tubes, and even super-long plates. Its engraving range extends from a minimum of 8mm to a maximum of 110mm, meeting the needs of engraving from various angles. Not only to achieve a multi-functional engraving experience, but also compatible with all the brand of laser engraving machine, to provide users with a wider range of application possibilities.

Features



Multi-gear adaptation



Extensive engraving range



Full Compatibility Design

Y axis rotation roller (YRR 3.0)



Basic information

Color:	●
Dimensions:	190*150*56
Weight:	1.2kg
Material:	Series 6 aluminum A3 plate silicone rubber
Drive mode: :	Single motor drive
Drum moving stroke:	1-41mm
Engraving diameter:	Cylinder: 1-150mm Goblet: 1-100mm Stick Class: 1-150mm

Product Introduction

On the basis of inheriting the original function of YRR 2.0, the Y-axis rotating roller (YRR 3.0) introduces the innovative design of the external tailstock, which significantly increases the length of the carved object and improves the flexibility and diversity of carving. Compared with YRR 2.0, YRR 3.0 is more convenient, because it uses the whole machine delivery method, saves the tedious installation steps, and provides customers with a more convenient and fast use experience. This 1 innovative design makes the YRR 3.0 ideal for engraving enthusiasts and professional users.

Features



Worry-Free Installation

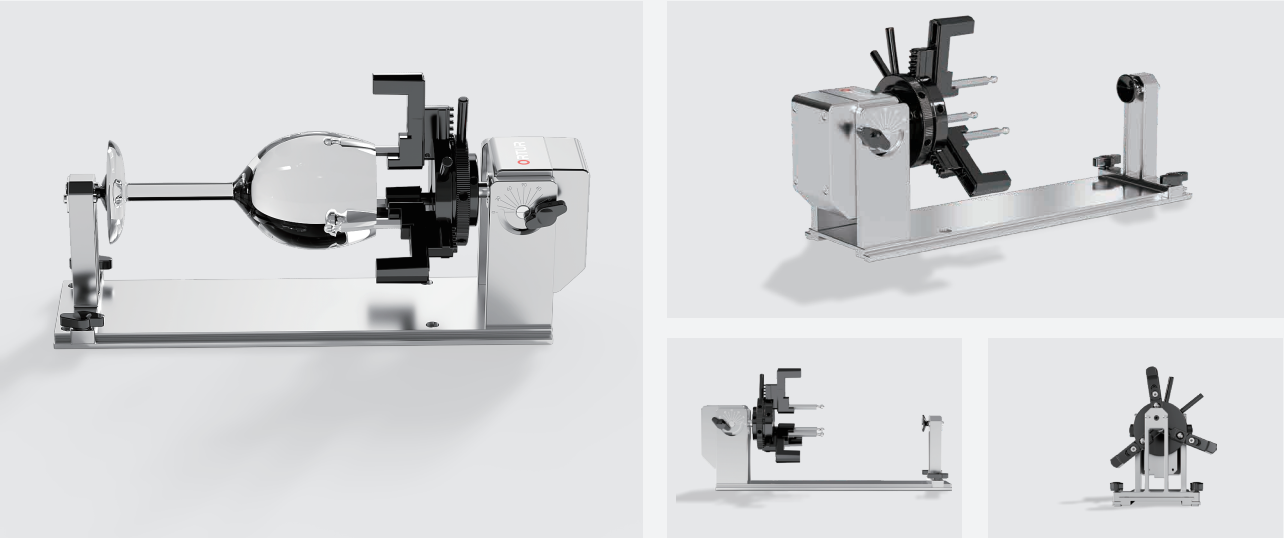


Excellent engraving length



Full Compatibility Design

Y axis rotary chuck (YRC1.0)



Basic information

Color:	
Dimensions:	323*126*156mm
Weight:	1.5kg
Material:	Aluminum Alloy Stainless Steel ABS Plastic
Drive mode:	Single motor drive
Maximum angular velocity:	360°/s
Sculpting Length Range:	Use tailstock:0-200mm
Chuck elevation angle adjustment range:	0-180°
Engraving diameter:	Chuck:1-120mm Sphere:25-150mm Ring:11-100mm

Product Introduction

The versatile design of the Y-axis rotary chuck (YRC1.0) makes it an excellent choice in the field of engraving. Can be applied to chuck rotation, ring rotation, more easily handle the ball rotation. Its unique one-piece frame structure ensures excellent accuracy and stability at ultra-high speeds of 360 ° /sec. Adapted to all the brand of laser engraving machine.

In addition, it supports 180 ° angle adjustment and 360 ° rotation engraving, covering more than 90% of cylindrical and irregular objects to meet various engraving needs. The user can easily adjust the engraving size by rolling the chuck or by setting the fixture on different holes. Engraving has a wide range of diameters and is suitable for objects of various shapes.

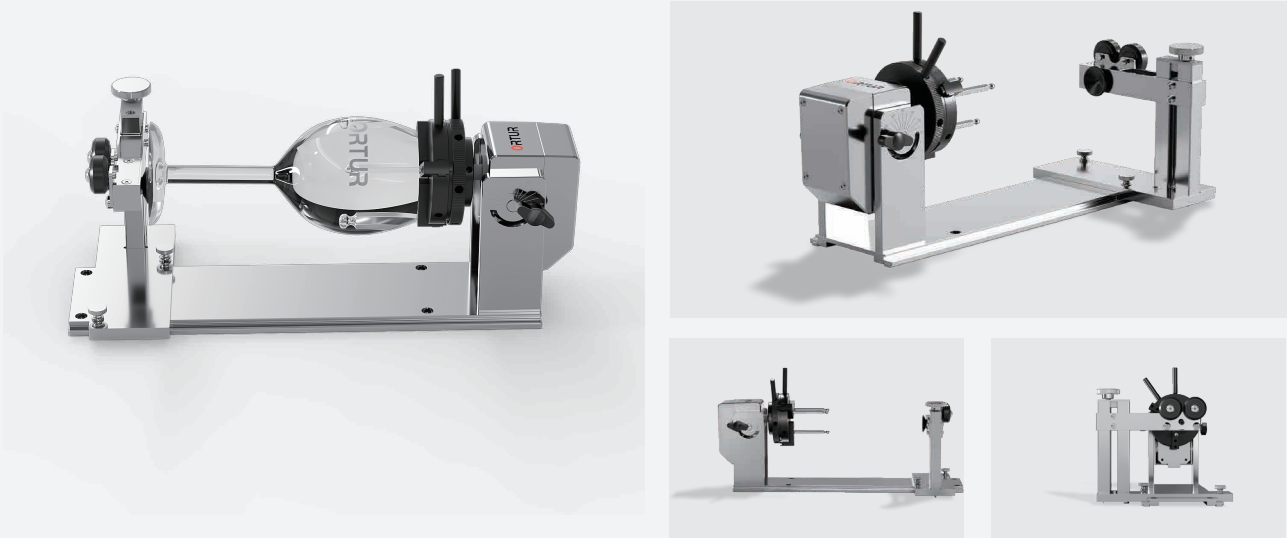
Features

Multi-functional design

Worry-Free Installation

Full Compatibility Design

Y axis rotary chuck (YRC2.0)



Basic information

Color:	
Dimensions:	323*126*156mm
Weight:	1.5kg
Material:	Aluminum Alloy Stainless Steel ABS Plastic
Drive mode:	Single motor drive
Maximum angular velocity:	360°/s
Sculpting Length Range:	Use tailstock:0-600mm
Chuck elevation angle adjustment range:	0-180°
Engraving diameter:	Chuck:1-120mm Sphere:25-150mm Ring:11-100mm

Product Introduction

The Y-axis rotary chuck (YRC2.0) continues the excellence of YRC1.0 in function, cleverly introducing a new design of the detachable tailstock. This 1 innovative tailstock not only gives the chuck more flexible characteristics, but also provides users with a new experience of engraving length extension and lifting function. Through this intelligent upgrade, YRC2.0 successfully solved the bottleneck of the 1.0 version when dealing with long carved objects, bringing users a smoother and more convenient carving experience.

Features

Multi-functional design

Worry-Free Installation

Full Compatibility Design

air pump(OAP1.0 - 50L)

Basic information

Color:	
Dimensions:	190*170*94mm
Weight:	2.5kg
Material:	Cold rolled carbon steel sheet shell pump body aluminum shell
gas outlet pressure:	≥0.03Mpa
Power:	25W
Gas output:	Max.50L/min±10%
outgassing mode:	Pure copper motor magnetic suspension piston

Product Introduction

The OAP1.0-50L air pump adopts a simple design, which is easy to install and operate. Users can easily use it without complicated steps, providing a more convenient creative experience. It is a powerful assistant for LU2-4 LF, 10W, 20W and 40W laser modules. Its excellent air volume of 50L/min can quickly eliminate the smoke and groove residues generated by laser cutting or engraving, and significantly improve the engraving and cutting performance of the machine.

Features



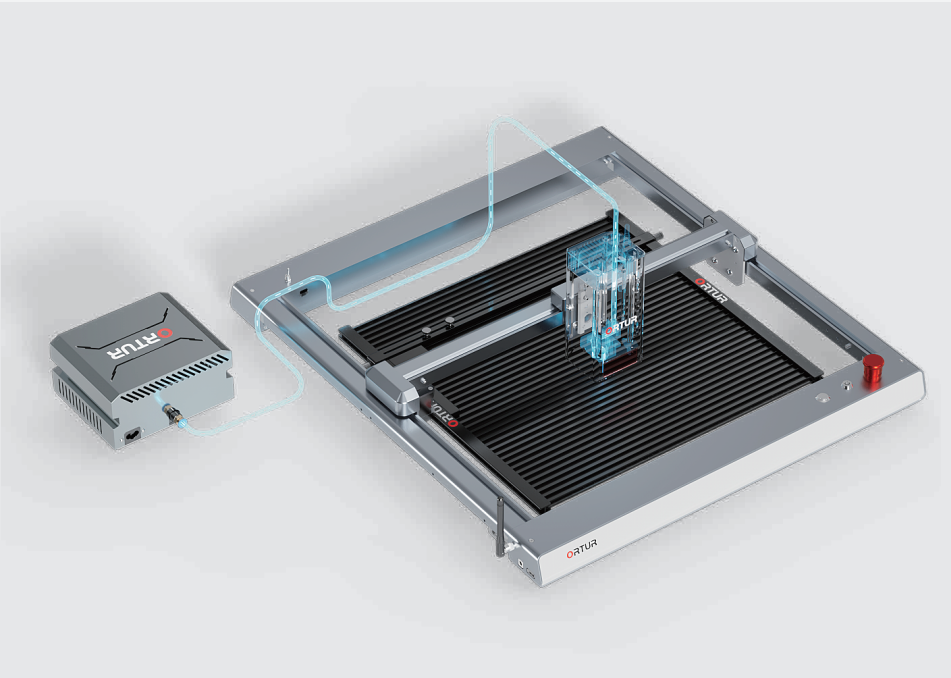
Convenient operation



efficient purification



Performance improvement



air pump(OAP1.0 - 40L)

Basic information

Color:	
Dimensions:	120*129*87mm
Weight:	1.5kg
Material:	Shell:PA
gas outlet pressure:	≥0.03Mpa
Power:	26W
Gas output:	40L/min
outgassing mode:	electromagnetic type

Product Introduction

Compared with OAP1.0-50L air pumps, OAP1.0-40L air pumps are characterized by simple design, more convenient installation and operation, and provide users with an easy-to-use experience without complicated steps. It can also quickly remove smoke and groove residues generated by laser cutting or engraving, significantly improving the engraving and cutting performance of laser machines, OAP1.0-40L the air pump is more economical in price and lighter in weight. It is the 1 auxiliary equipment with excellent performance.

Features



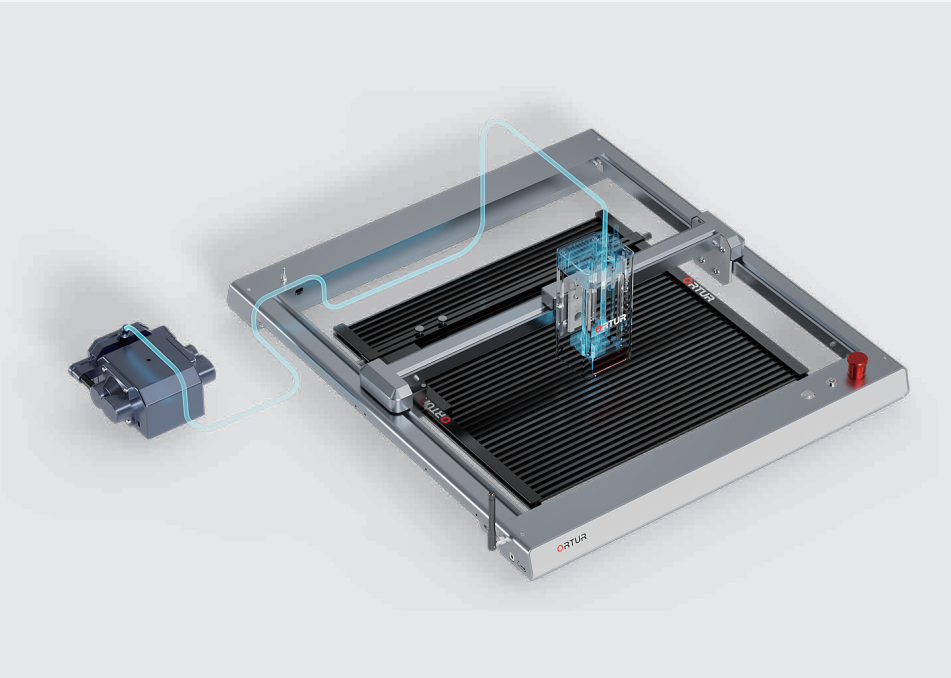
High cost performance



efficient purification



Performance improvement



LEP1.0-laser engraving platform

Basic information

Color:	●
Dimensions:	448*400*22mm
Weight:	1.75kg
Material:	Aluminum alloy sheet metal
Travel:	50*100mm~360*360mm
Place Material:	The bottom is flat
Smoke dispersion method:	Square notch type

Product Introduction

LEP1.0-Laser Engraving Platform is designed to minimize the risk of smoke and potential burns. The ingenious design of the square groove can effectively prevent laser reflection, and can also make the smoke generated during engraving flow out smoothly, maintain clarity, and will not cause the material to turn yellow, and dissipate heat quickly and efficiently. The weight of the platform is only 50% lighter than the traditional honeycomb panel, and it adopts an all-metal structure, which not only ensures stability, but also effectively prevents laser burns to the desktop.

Features



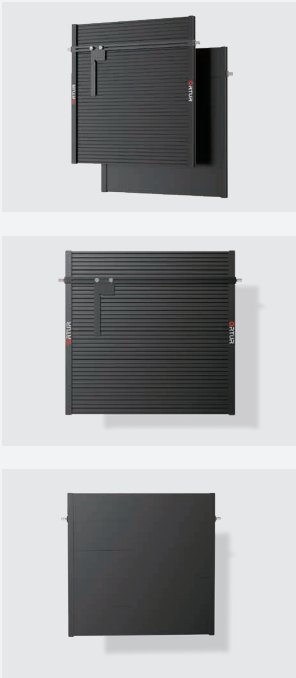
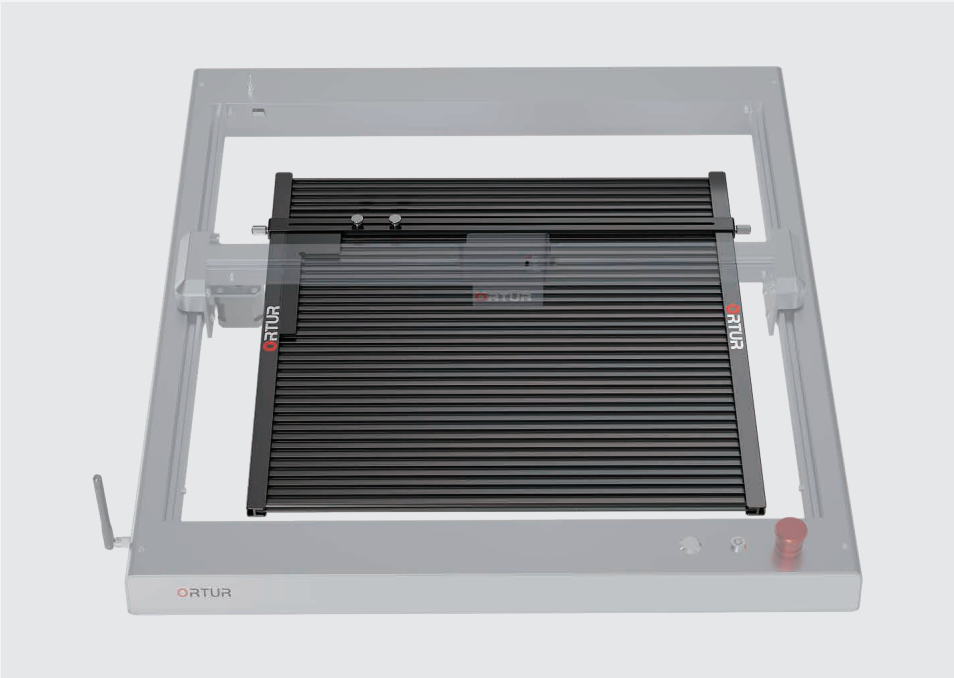
Noise reduction design



Strong smoke exhaust



Efficient heat dissipation



OE2.0-Fire box

Basic information

Color:	●
Dimensions:	700*720*370mm
Weight:	2.6kg
Frame Material:	6 series aluminum fireproof and dustproof silicone fiberglass cloth
Body Material:	Liquid Silicone Glass Fiber Cloth
Zipper material:	Nylon
Frame Material:	6063-T5

Product Introduction

OE2.0-fire box with efficient fiber material, excellent flame retardant performance. Easy folding, quick assembly. Compatible with Laser Explorer APP, easy to control lights and fans. Suitable for all Ortur & Aufero laser engravers, but not with extension kits. Cut off 99% dust, odor and working noise. View Window design, the whole observation without hindrance. Flame retardant, waterproof, dustproof, escort for the working environment.

Features



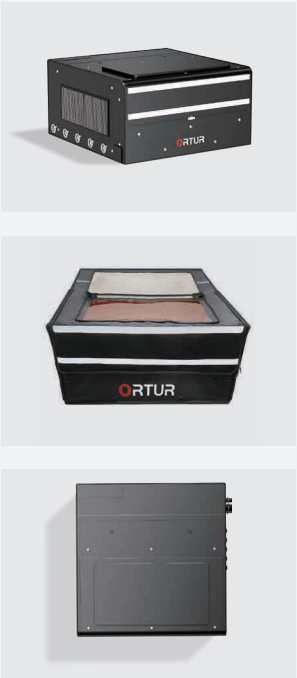
Excellent flame retardant performance



Intelligent control is convenient



All-round protection





OSP-Smoke purifier

Basic information

Color:	○
Dimensions:	300*242*400mm
Weight:	11kg
Material:	A3 sheet metal ABS plastic
Flow:	258m³/h
Maximum negative pressure:	2200pa
Drive mode:	Single fan motor
Air inlet wind speed:	>40m/s

Product Introduction

OSP-smoke purifier, three-layer filter system, 0.3 μm particle purification rate of up to 99.97%. Convenient design, one key to open the front cover, easy to replace the filter element. Strong 258 m/h air volume, fast smoke removal. Noise <50dB, providing a quiet working environment. 360 ° rotating tube design, excellent air tightness, flame retardant material strong and durable. Strong power, low noise, stable performance, long life, fast heat dissipation, low energy consumption, safe and reliable. Make sure your working environment is fresh and comfortable.



Features

efficient purification

Convenient operation

Efficient smoke exhaust

ETK2.0 Extension Rod (OLM 3LE)

Basic information

Color:	●
Dimensions:	1044*588*128mm (After installation)
Weight:	1.8kg
Material:	Series 6 Aluminum(A16061)
Drive mode:	Motor drive
Engraving stroke:	400*830mm

Product Introduction

The ETK2.0 extension rod (OLM 3LE) is a Y-axis replacement component specially designed for the Ortur Laser Master 3 LE laser engraving machine. After installation, the working area is rapidly expanded from the original 400mm * 400mm to 400mm * 830mm. This allows the engraving machine to meet the needs of large-scale engraving and cutting, and supports the processing of larger batches of materials. The expanded work area not only allows you to handle more quantities at one time, but also improves work efficiency. The use of durable 6-series aluminum materials, combined with the design of steel wheels and timing belts, can maintain stability and precision even at working speeds of up to 200 mm/s and large-area operation.

Features

Extended Area

Mass production

Stable operation





ETK2.0 Extension Rod (OLM 3)

Basic information

Color:	●
Dimensions:	1108*625*150mm (After installation)
Weight:	1.62kg
Material:	6063-T5
Drive mode:	Motor drive
Engraving stroke:	400*850mm

Product Introduction

The ETK2.0 extension rod (OLM 3) is a Y-axis replacement component specially designed for the Ortur Laser Master 3 laser engraving machine. Through simple installation, the working area is rapidly expanded from 400mm to 400mm to 400 mm850mm. This allows the engraving machine to meet the needs of large-scale engraving and cutting, and supports the processing of larger batches of materials. The expanded work area not only allows you to handle more quantities at one time, but also improves work efficiency. The use of durable aluminum alloy materials, combined with the design of steel wheels and timing belts, can maintain stability and precision even at working speeds of up to 200 mm/s and large-area operation.

Features



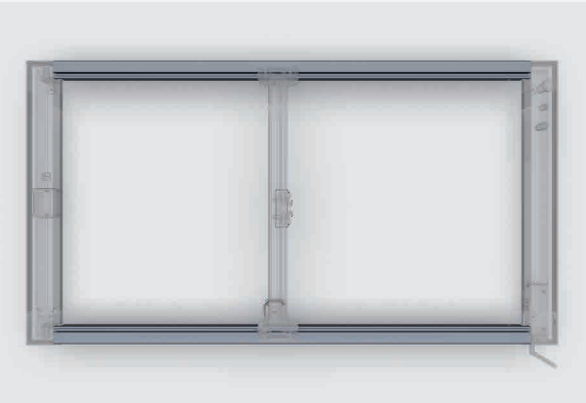
Extended Area



Mass production



Stable operation



ETK1.0 Extension Rod (OLM 2PRO S2)

Basic information

Color:	●
Dimensions:	1000*570*130mm (After installation)
Weight:	1.40kg
Material:	Aluminum Alloy A3 Steel
Drive mode:	Motor drive
Engraving stroke:	400*800mm

Product Introduction

ETK1.0 extension rod (OLM 2PRO S2) has a super large working range, beyond your imagination. The stroke of Y axis has increased by 200, breaking through the limit, and the engraving area is larger, reaching 400*800mm. It high quality mass production and engraves multiple objects at one time. The material is made of all-aluminum material, which perfectly fits the original model, realizing brand-new upgrade, metal support, improving stability, protecting aluminum parts from deformation, belt stretcher, turn the screw to adjust the tension of the belt to ensure precise and stable operation, making your masterpiece more perfect!

Features



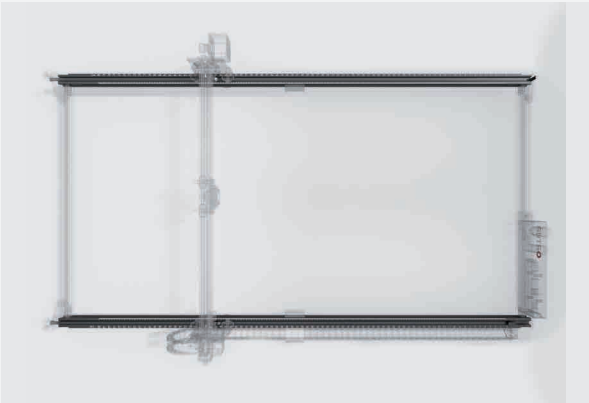
Extended Area



Mass production



Stable operation





ETK1.0 Extension Rod (OLM 2S2)

Basic information

Color:	●
Dimensions:	970*550*150mm (After installation)
Weight:	1.2kg
Material:	Aluminum Alloy Black Acrylic
Drive mode:	Motor drive
Engraving stroke:	390*800mm

Product Introduction

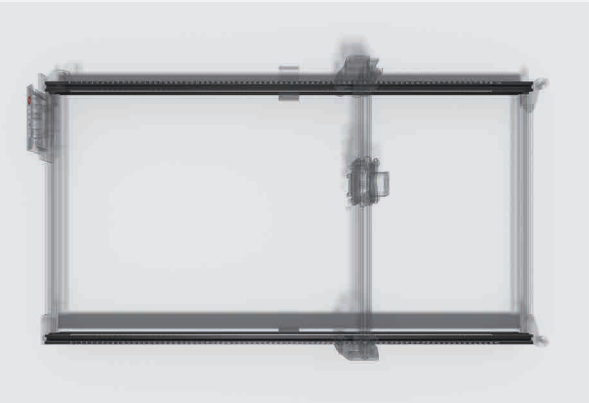
ETK1.0 extension rod (OLM 2 S2) is specially designed for OLM 2S2 model. The stroke of Y axis is increased by 200, breaking through the limit, and the engraving area is larger, up to 390*800mm. It can carve multiple objects at a time and high quality mass production. The material is aluminum alloy and black acrylic, which perfectly fits the original model, realizing new upgrade, metal support, improving stability, protecting aluminum parts from deformation, belt stretcher, turn the screw to adjust the tension of the belt to ensure precise and stable operation, making your masterpiece more perfect!

Features

Extended Area

Mass production

Stable operation



ETK1.0 Extension Rod (AL 2)

Basic information

Color:	●
Dimensions:	780*583*134mm (After installation)
Weight:	3kg
Material:	Aluminum steel
Drive mode:	Motor drive
Engraving stroke:	390*600mm

Product Introduction

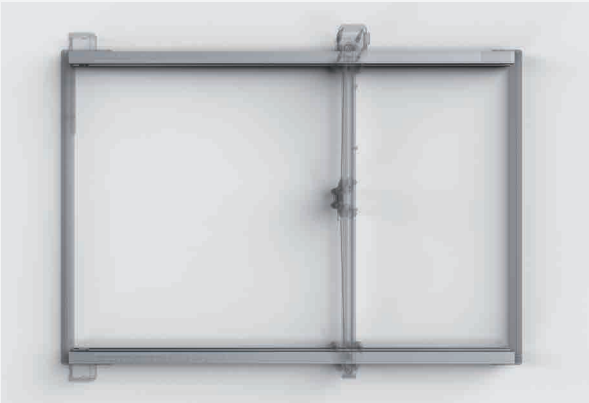
The ETK1.0 extension rod (AL 2) is designed for AL 2, creating a new standard for large working ranges. The Y-axis stroke is increased by 153, and the engraving area is extended from 390*390mm to 390*600mm. It can carve multiple objects in batches or create large-scale works, showing excellent creative potential. The use of aluminum and steel material, more durable, more convenient replacement, perfect fit the original model, to achieve a new upgrade. Help you achieve a unique masterpiece!

Features

Extended Area

Mass production

Stable operation



FFT1.0-Folding feet

Basic information

Color:	
Weight:	460g
Material:	ADC12
Applicable model:	OLM3
Height before deployment:	24mm
Height after deployment:	142mm (Elevated118mm)

Product Introduction

FFT1.0-Folding feet provide strong support for your Ortur Laser Master 3 with YRR and YRC series. It adopts a more stable inclined structure and is made of high-quality aluminum alloy material to ensure longer durability. Installation is simple and only takes two steps to complete. This folding foot design can raise the machine to 118mm, can be easily opened when in use, and can be folded lightly when not in use without disassembly.

Features



Solid and reliable



Worry-Free Installation



Multi-functional design



OUR1.0-Elevated feet

Basic information

Color:	
Dimensions:	100*100*134.5mm(A set of 4)
Weight:	0.9KG
Material:	steel abs plastic
Applicable model:	All laser engraving machines of this brand

Product Introduction

OUR1.0 raised feet are the ideal partner for your sculpting work. Its free combination height and adjustable characteristics ensure that you can easily adapt to different work needs. The double non-slip design ensures the stable operation of the equipment during the engraving process, and the simple installation process allows you to get started quickly without worry. Whether it is roller engraving or other application scenarios, OUR1.0 raised feet can be perfectly matched and compatible with series machines, providing you with a wider range of options.

Features



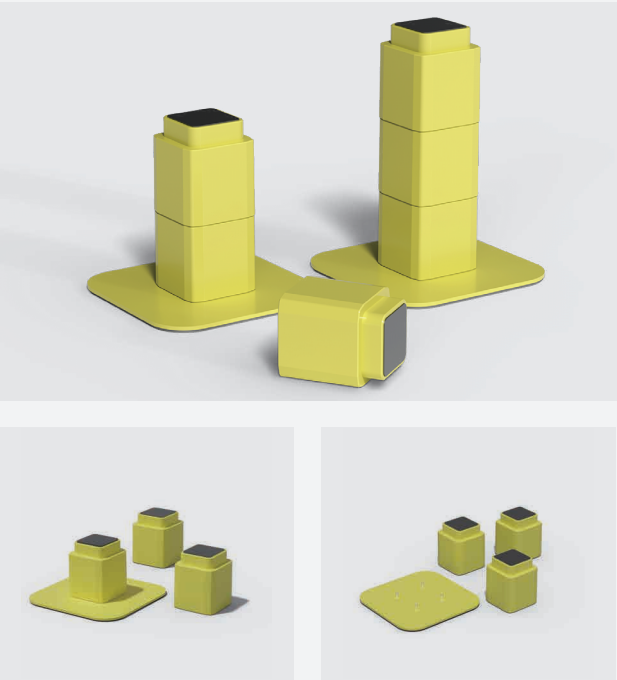
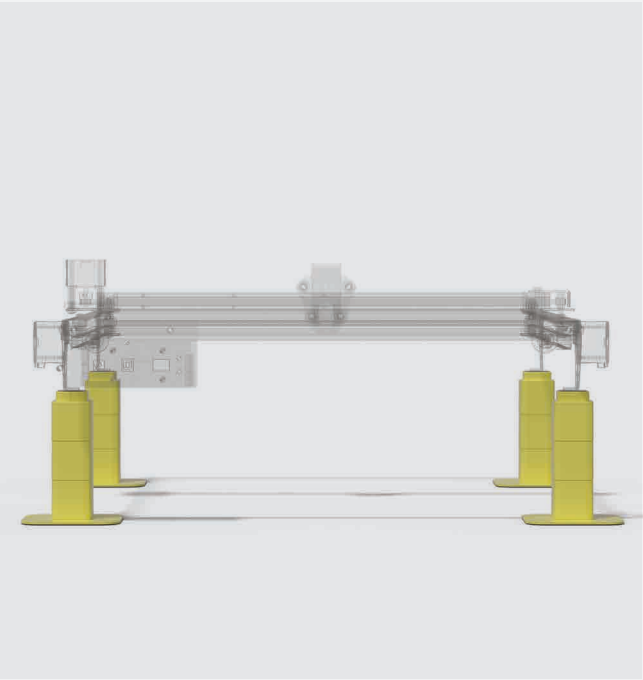
Free Stacking



Worry-Free Installation



Full Compatibility Design



ORP1.0-Elevated feet

Basic information

Color:	●
Dimensions:	ø24*50mm(A set of 8)
Weight:	360g
Material:	6061
Applicable model:	OLM H10

Product Introduction

The ORP1.0 raised foot is specially built for Ortur Laser Master H10. It adopts a screw-in design and can be installed quickly and firmly. Its unique free stacking design makes it suitable for many occasions such as YRR and YRC series rollers. The installation size is 40mm, and the maximum size can reach 120mm. Each floor is equipped with anti-skid pads. There is no need to worry about the combination sequence to ensure the stable operation of your equipment.

Features



Free Stacking



Worry-Free Installation



Custom Design



ZLD-1.0 Z-axis regulator

Basic information

Color:	●
Dimensions:	116*60*18mm
Weight:	260g
Material:	6 series aluminum profile
Travel:	0-55mm
Drive mode:	Manual
Sliding table panel:	33*60mm

Product Introduction

The Z-axis adjuster is a lifting device specially designed for the laser module to adjust the focal length of the laser module more conveniently. Easily lift the laser module by twisting the knob to achieve precise adjustment of the focal length. The large lead knob can move 8mm per turn to make the focal length adjustment more accurate. At the same time, the adjustable damping design allows users to adjust the tightness of the knob as needed to ensure more stable operation. In addition, the movement range of the laser module in the Z-axis direction is elongated, so that it can cope with the engraving of thicker materials. The overall integrated structure ensures solid and reliable performance and provides users with a more reliable work experience.

Features



Efficient focusing



Precise control



Solid and reliable

