



FEEL THE  
ADVANTAGE OF THE  
COLLABORATION  
WITH THE BEST  
LASER PRODUCER &  
SOLUTION PROVIDER

[www.rochase.com](http://www.rochase.com)



# INTRODUCTION OF ROCHASE TECHNOLOGY

Rochase (Hubei) Technology Co., Ltd, hereinafter referred to as Rochase is a professional one-stop producer and supplier of all type of laser equipment, which include laser cutting machines, laser engraving machine, CO2 laser marking machine, fiber laser marking machine, laser welding machine, ect., and relative spare parts of these machines, such as laser tubes, laser lens, laser generator, optical fiber, rotary system, and so on...

‘Chasing for Better’ is our slogan and ultimate goal. ‘Better’ contains better quality, better service, and better pricing. With our expertise in the industry, customers can be always satisfied, and due to the support from our sincere customers, ROCHASE has expanded its business to more than 20 countries in the world!

Cooperate with Rochase means you will never have to worry about anything once you linked us, our professional sales team could provide you most economy and best solutions based on your

demand, and deliver the equipment to you in the best package and best choose the best shipping agency if you need. We would let you know the ETA (estimated time of arrival) and track for you once the goods were on board.

The user interface of the software is very friendly, and we also have free online video showing you the operation of the entire system, and typical application of all equipment. In the mean time, free technical support by 7\*24 is available.

Rochase is looking forward to your inquiry or further cooperation all the time! Should you have any questions or need any support, please let us know freely

# TYPICAL APPLICATIONS



Rochase laser machine covers three different type of lasers, which is CO2 laser, fiber laser and UV laser. Those lasers are very widely used in many industries, and covers almost all materials. No matter what kind of processing you want, Rochase can provide you a best laser solution.

Now let’s start a brief introduction about the typical application of different type of laser machines.

CO2 laser machine include CO2 laser cutting machine, co2 laser engraver, and co2 laser marking machine. Low power Co2 Laser cutting machine (40w-150w) is mainly used for cutting nonmetal materials, and high power co2 laser machine is able to cut metals include steel and carbon steel. And CO2 laser marking machine is mainly use for marking of nonmetal materials. Co2 laser engraver can only engreave nonmetal materials.

Fiber laser machine also include laser cutters and marking machine, fiber lasers are good at processing metallic materials. High power fiber laser cutter can cut hard steel plate and carbon steel. Fiber laser marking machine is mainly used for

marking of metallic materials which is very popular in manufacturing industry, bearings, medical tools, DIYs, handicrafts and so on..

UV laser machine is applicable to almost all materials except bronze, it is a extremely high precision and cold laser, due to it’s 355nm short wavelength cold light, mechanical deformation and temperature distortion of materialsals can be greatly reduced,. UV laser machine is mainly used for super precise marking and engraving, particularly suitable for food, pharmaceutical packaging material marking, micro porous, high-speed dividing for glass, complex graphics wafer cutting on silicon materials, etc.,

## Major Catagories of RoChase Laser Equipment and Spare Parts

- Co2 Laser cutting machine
- Laser engraving machine
- Laser welding machine
- Co2 Laser marking machine
- Fiber Laser marking machine
- UV Laser marking machine
- Fiber Laser Cutting Machine
- Laser tube
- Laser power supply and more..

BUILDING YOUR BUSINESS  
GROWTH WITH ROCHASE  
EQUIPMENT





## RCFC SERIES FIBER LASER CUTTING MACHINE

### A WIDE RANGE OF APPLICATION

Cutting stainless steel, carbon steel, mild steel, alloy steel, galvanized steel, silicon steel, spring steel, titanium sheet, galvanized sheet, iron sheet, inox sheet, aluminum, copper, brass and other metal sheet, metal plate, metal pipe and tube, etc.



## TECHNICAL FEATURES

Y-axis adopts cast-aluminium beam, which has good dynamic performance. The machine tool has compact structure, sufficient stiffness, good reliability and high efficiency cutting performance.

After welding the machine tool base, the stress is eliminated by tempering treatment and vibration ageing, and the precision life of the equipment is guaranteed by pre-adjusting, fine-tuning the level and right angle before installation.

Double-side drive with gantry, stable structure and good driving characteristics.

The X and Y axes are driven by imported precision gear and rack, and the Z axes are driven by imported precision ball screw. The maximum positioning speed of the machine tool can reach 80 meters per minute.

Equipped with small material collection system and dust removal device.

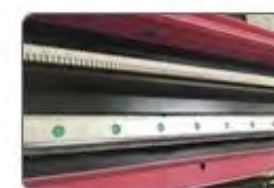
Model
QC-MFC-4115
QC-MFC-3015
QC-MFC-2513
Processing size Length*width
4100*1500mm
3000*1500mm
2500*1300mm
Laser type
Fiber Laser Generator
X Axis running distance
1520mm
1520mm
1320mm
Y Axis running distance
4130mm
3030mm
2530mm
Z Axis running distance
120mm

Fiber lasers are the first choice for diverse applications in the field of laser precision cutting, enable you to create slim seams and achieve narrow kerfs in laser precision cutting – even with wide working distances.

## ROCHASE RCFC Series Fiber Laser Cutting Machine



Console



Screw And Rail



Tow line



Laster Head



Work Platform





### CO<sub>2</sub> LASER CUTTING

CO2 Laser cutting, is more popular for nonmetal materials, the laser power is normally from 40w-150w, and higher power CO2 laser machine is able to cut metals.



### CO2 LASER ENGRAVING

CO2 Laser machine is able to engrave on almost all nonmetal materials, and is very widely used in many different industries.



RCL-1390



RCL-5030



RCL-6040



RCL-6090



RCL-6090 DOUBLE



RCL300

### CO2 LASER MACHINES FOR CUTTING, ENGRAVING AND MARKING



### CO2 LASER MARKING

CO2 Laser marking machine is able to mark on most nonmetal materials, include wood, plastic, acrylic, hard board, food, ceramic and so on..it is versatile and widely used in many areas.

Item	Model	Description	Table Size	Laser Power	Cooling Method
1	RCL-3020	CO2 Mini Laser Engraving and Cutting Machine	300mm*200mm	40w/50w	Water Cooling With Cut Off Protection System
2	RCL-6040	CO2 Laser Engraving and Cutting Machine	600mm*400mm	40w/50w/50w/80w/100w/130w	Water Cooling With Cut Off Protection System
3	RCL-6090	CO2 Laser Engraving and Cutting Machine	600mm*900mm	40w/50w/50w/80w/100w/130w	Water Cooling With Cut Off Protection System
4	RCL-1390	CO2 Laser Engraving and Cutting Machine	1300mm*900mm	40w/50w/50w/80w/100w/130w/150w	Water Cooling With Cut Off Protection System
5	RCL-1610	CO2 Laser Engraving and Cutting Machine	1600mm*1000mm	40w/50w/50w/80w/100w/130w/150w	Water Cooling With Cut Off Protection System
6	RCL-1325	CO2 Laser Engraving and Cutting Machine	1300mm*2500mm	40w/50w/50w/80w/100w/130w/150w	Water Cooling With Cut Off Protection System
7	RCL-5030	CO2 Laser Engraving and Cutting Machine	1300mm*2500mm	40w/50w	Water Cooling With Cut Off Protection System



# ROCHASE RCCL SERIES CO2 LASER MARKING MACHINE

RCCL CO2 laser marking machine is a high precision, fast speed, and maintenance-free. marking machine, it comes with friendly interface intergated with multiple control tools, users can freely interact the control system with external equipment.

## VERSATILE

### MULTI FUNCTION

RCCL Series CO2 laser marking machine is able to mark and engrave on almost all type of nonmetal materials with controllable depth.

## STABLE

### HIGH STABILITY

Working stably to enable continuous and stable operation all day long.

## INTERFACE

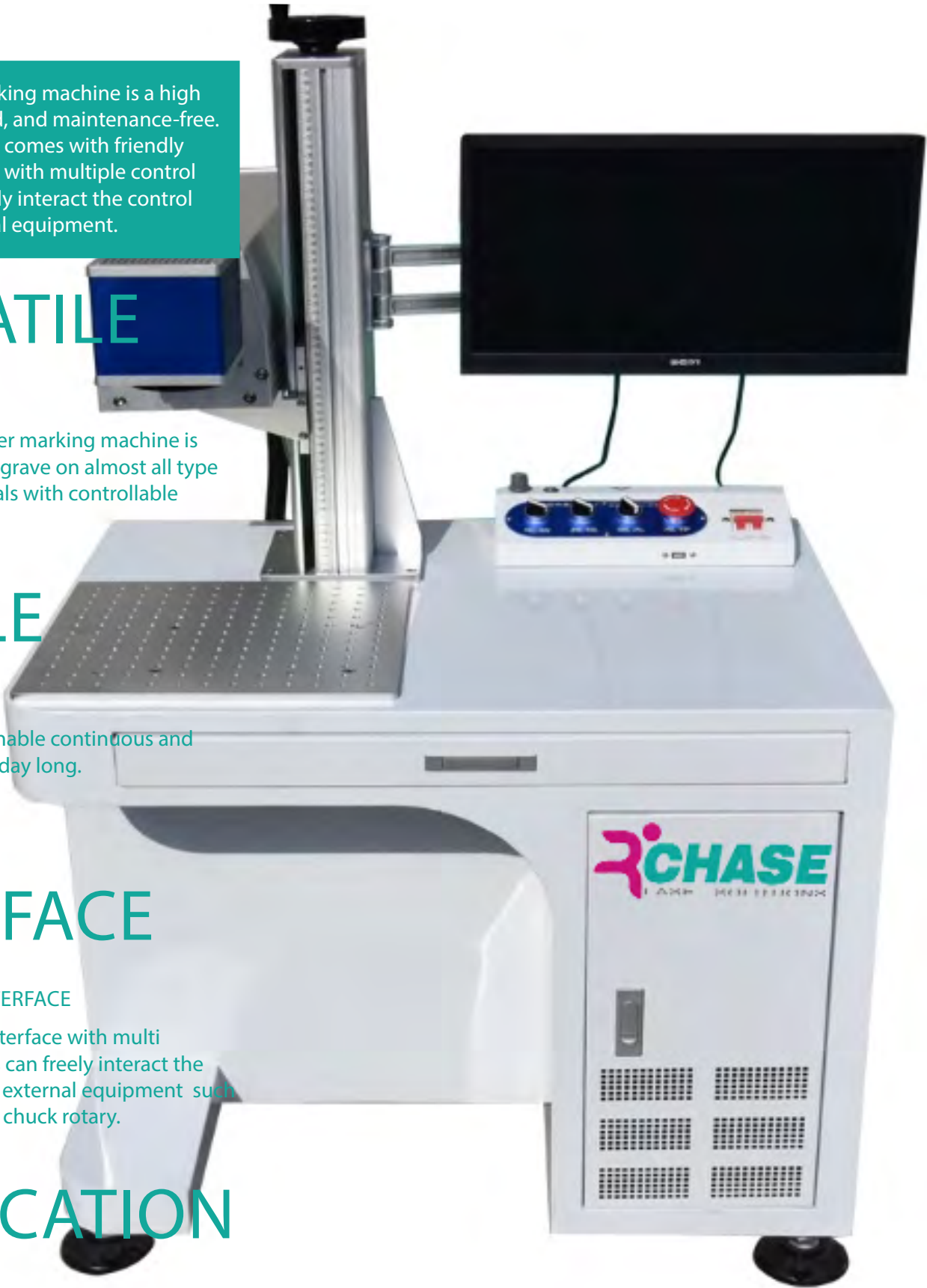
### USER FRIENDLY INTERFACE

Easy to learn user interface with multi language, and users can freely interact the control system with external equipment such as auto feeding and chuck rotary.

## APPLICATION

### CAN BE APPLIED WIDELY

RCCL series laser marking machine is suitable for almost all nonmetal materials.



The smallest material defect - even those you cannot detect visually - can cause part failures ranging from stopped operations to equipment damage, and even worse, accidents. To achieve cost efficiency, long service life and unsurpassed safety, we use the highest quality material to make our parts.

# RCCL SERIES CO2 LASER MARKING MACHINE INTRODUCTION

RoChase RCCL CO2 LASER MARKING MACHINE FEATURES HIGH PRECISION, FAST SPEED, AND CONTROLLABLE MARKING DEPTH AS WELL AS LONG CONTINUOUS WORKING HOUR WITH MAINTENANCE-FREE. USING CO2 GLASS LASER DEVICE, WHICH IS ECONOMICAL, BY THE WAY OF REAR FOCUSING. THE OPTICAL SYSTEM CAN UP-AND-FORTH FREELY. DEDICATED INDUSTRIAL-CONTROL COMPUTER, IS ADAPTABLE AND WORKING STABLY TO ENABLE CONTINUOUS AND STABLE OPERATION ALL DAY LONG .ADOPTING RED DOT POSITIONING SYSTEM TO MAKE AN ACCURATE POSITION TO AVOIDING WASTING MATERIAL. WITH MULTIPLE CONTROL TOOLS, USERS CAN FREELY INTERACT THE CONTROL SYSTEM WITH EXTERNAL EQUIPMENT SUCH AS AUTO FEEDING AND CHUCK ROTARY.

CO2 LASER MARKING MACHINE IS VERY WIDELY USED FOR NONMETAL MATERIALS MARKING OR ETCHING, THE SUITABLE MATERIALS INCLUDE GLASS, LEATHER, WOOD, ACRYLIC, STONE, CERAMIC, PORCELAIN, PLASTIC, BAMBOO, HARD PAPER BOARD, FOOD MATERIALS, PVC, CARTON PAPER AND SO ON..

THE SUITABLE INDUSTRIES INCLUDE EDUCATION, REASERCH, MANUFACTURING, FOOD, PACKAGING, ADVERTISING, HANDICRAFT,

Model	RCCL CO2 Laser Marking Machine
Laser power	20w 30w,50w,60w
Laser wavelength	10.64μm
Repetition frequency	≤25khz
Working area	100mm*100mm,140mm*140mm,200mm*200mm,300mm*300mm
Engraving depth	≤3mm
Engraving line speed	≤7000mm/s
Min width	0.1mm
Min character	0.4mm
Repetition accuracy	±0.01mm
Total power	1.2kw
Voltage	220V/50HZ/8a
Cooling mode	Water cooling
Control system	China JCZ
Power	MW Power supply



# RCFM SERIES FIBER LASER MARKING MACHINE

RCFM Series laser machines are able to engrave text, graphics, logos, barcodes and data-matrix codes. Automation features enable part serialization, date coding, variable text inputs.

## FAST

**FAST AND HIGH EFFICIENCY**  
Up to 100x faster compared to gantry style lases, greatly reduced time delay and imporving working speed.

## PRECISE

**HIGH PRECISION MARKING OR ETCHING**  
It can mark precised graphics, photos or text with high deginition.

## RELIABLE

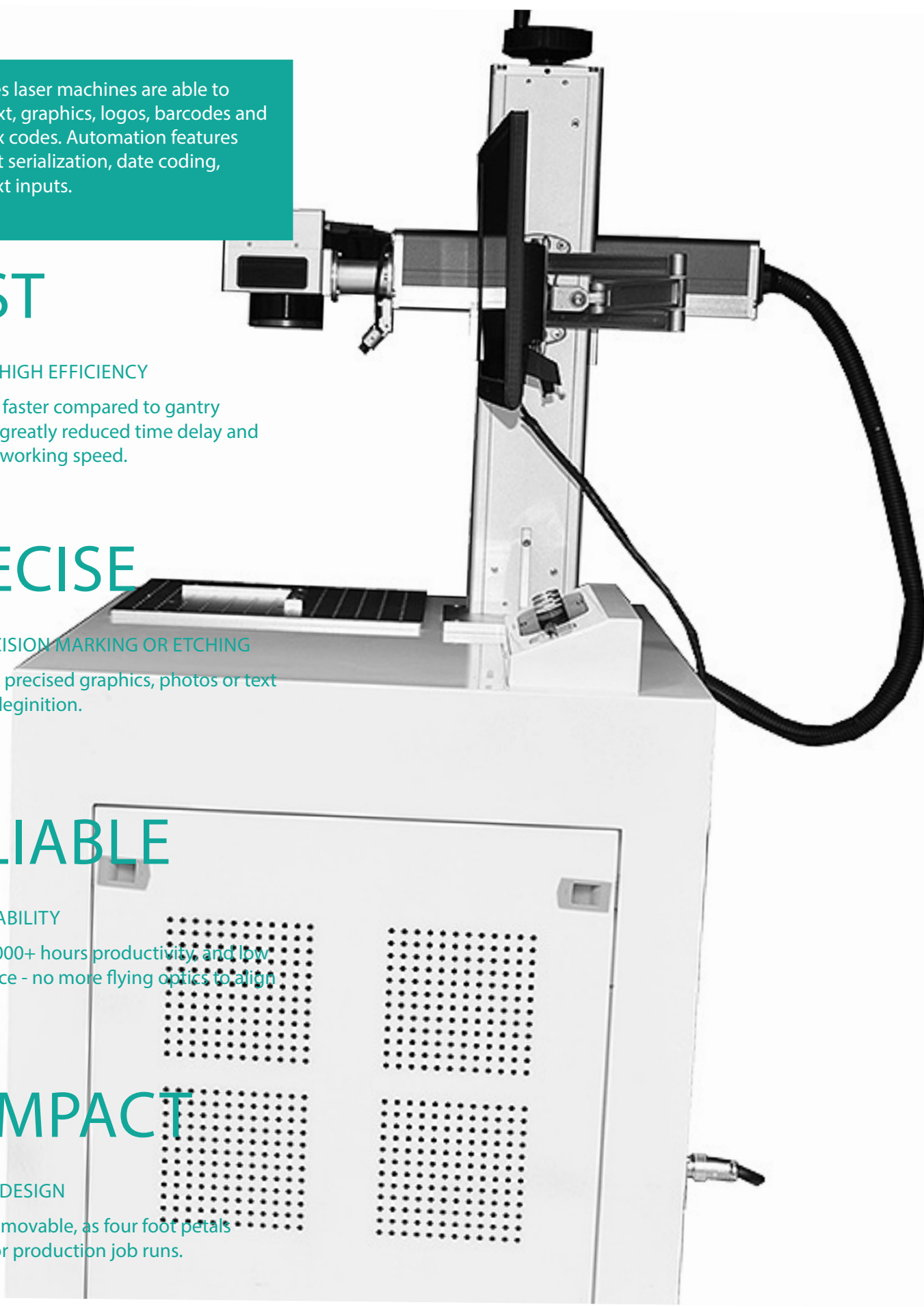
**HIGH RELIABILITY**  
Up to 100,000+ hours productivity, and low maintenance - no more flying optics to align

## COMPACT

**COMPACT DESIGN**  
Stable and movable, as four foot petals included for production job runs.



Fiber laser marking and engraving systems are a fast and clean way which rapidly replacing older laser technologies. Direct laser marking has become a common process today in many industries. It offers a non-contact, abrasion-resistant, permanent laser mark onto almost any type of material. High speed, high precision, micro laser marking and/or laser engraving of part information, readable alpha-numerics, barcodes or data-matrix™, serial numbers, corporate logos, etc. are possible on a wide range of component parts.



# RCFM FIBER LASER MARKING MACHINE INTRODUCTION

The RCFM Series laser machines are equipped with software that enables the laser engraving of text, graphics, logos, barcodes and data-matrix codes. Automation features enable part serialization, date coding, variable text inputs, remote programming, input/output control and many other programming features. The machine systems offer the benefits of a non-contact, abrasion-resistant, permanent laser mark.

Permanently mark or etch smooth or uneven metals including firearms, tools, parts, jewelry, PVC & Acrylics

Up to 100x faster compared to gantry style lasers

Open table does not limit material size like small enclosed units

Pulse Wave Frequency: 20-80 KHz

Compact Scan head w/ low maintenance - no more flying optics to align

High reliability: Up to 100,000+ hours productivity

Laser type	Fiber
Laser Power	20w, 30w, 50w
Marking speed	≤7000mm/s
Wave length	1064nm
Min markable characters	≥0.3mm
Repeating accuracy	0.01mm
Working area	70*10/110*110/170*170/200*200/300*300(mm)
Voltage	110v/220v
Power	≤800w
Cooling method	air
Weight	100kg/35kg
Sizes	65cm*85cm*145cm or 25cm*45cm*85cm
Supported images format	PLT/DXF/CAD/AI/CDR/JPG/PNG...

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# FEATURES AND BENIFITS

- 1.Laser cleaning has no grinding, non-contact, no thermal effect and suitable for various materials.
- 2.Rapid, clean and accurate cleaning, removal of surface coatings, coatings, oxide.
- 3.No damage to substrate.
- 4.High cleaning precision, strong controllability.
- 5.Can be used for a long time, low operating costs.
- 6.The device can realize automatic operation and simple operation.
- 7.Environment friendly.



# FIBER LASER DESCALING MACHINE/LASER RUST REMOVAL MACHINE



Fiber Laser descaling machine or rust removal machine is generally known as the most reliable and effective solution for descaling materials with non-contact, no grinding and no heat effect features. This model of laser cleaner is a new high-tech system for surface cleaning.It is easy to install and operate, which can be work without chemical liquid, it work safely, environmental friendly and no noise. Fiber Laser descaling machine is very widely applied in flat, curved and 3D surfaces of metal, nonmetal, elastic materials. It can be used for the surface degreasing, paint removal, removal of zinc, laser film removal, laser cleaning, such as coating, etc. , This model of machine is widely used in ship industry, auto parts, rubber mold, environment protection industry, tire mold, track clean and so on..

Specifications	
Model	RC-100B
Laser Generator	100W Raycus Fiber
Machine Weight	65KGS
Laser Gun Weight	1.8KG
Power Consumption	600
Cooling System	Forced-air cooling
Working Mode	Manual or auto
Machine Life Span	50000 hours
Cable length	3 Mtrs (can be lengthened)
Working Distance	150mm / 2500mm / 500mm
Laser Wavelength	1064 um
Power Supply	220v / 50hz / 2A or 380v / 50HZ / 2A
Scan width	10-80mm
Work Humidity	< 90%
Laser Class	IV

Welcome to follow us on our Youtube Channel to view the product working video.

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RoChase Technology is a leading laser equipment producer in China. Our goal is to provide better laser equipment and complete solutions to each of our customer. The Company are concentrated in solutions for laser welding, marking and cutting. Our aim is to enhance the quality, performance and services of our laser products on a continuing basis.

#### 7 Day / 24 Hour Technical Support

Support is always just a phone call away, whenever and wherever you are on the globe. Our Technical Specialists are available to perform laser education training, applications consultation, service, maintenance and technical troubleshooting support online or via phone call.

## 7\*24 TECHNICAL SUPPORT, GOOD SERVICE, ALWAYS CHASING FOR BETTER



#### FEEL FREE TO CONTACT

If you have questions about the machineries or accessories, please feel free to let us know:

Tech: [support@rochase.com](mailto:support@rochase.com) Service: [service@roochase.com](mailto:service@roochase.com)

Sales: [info@rochase.com](mailto:info@rochase.com) Phone: +86-186-2117-3208

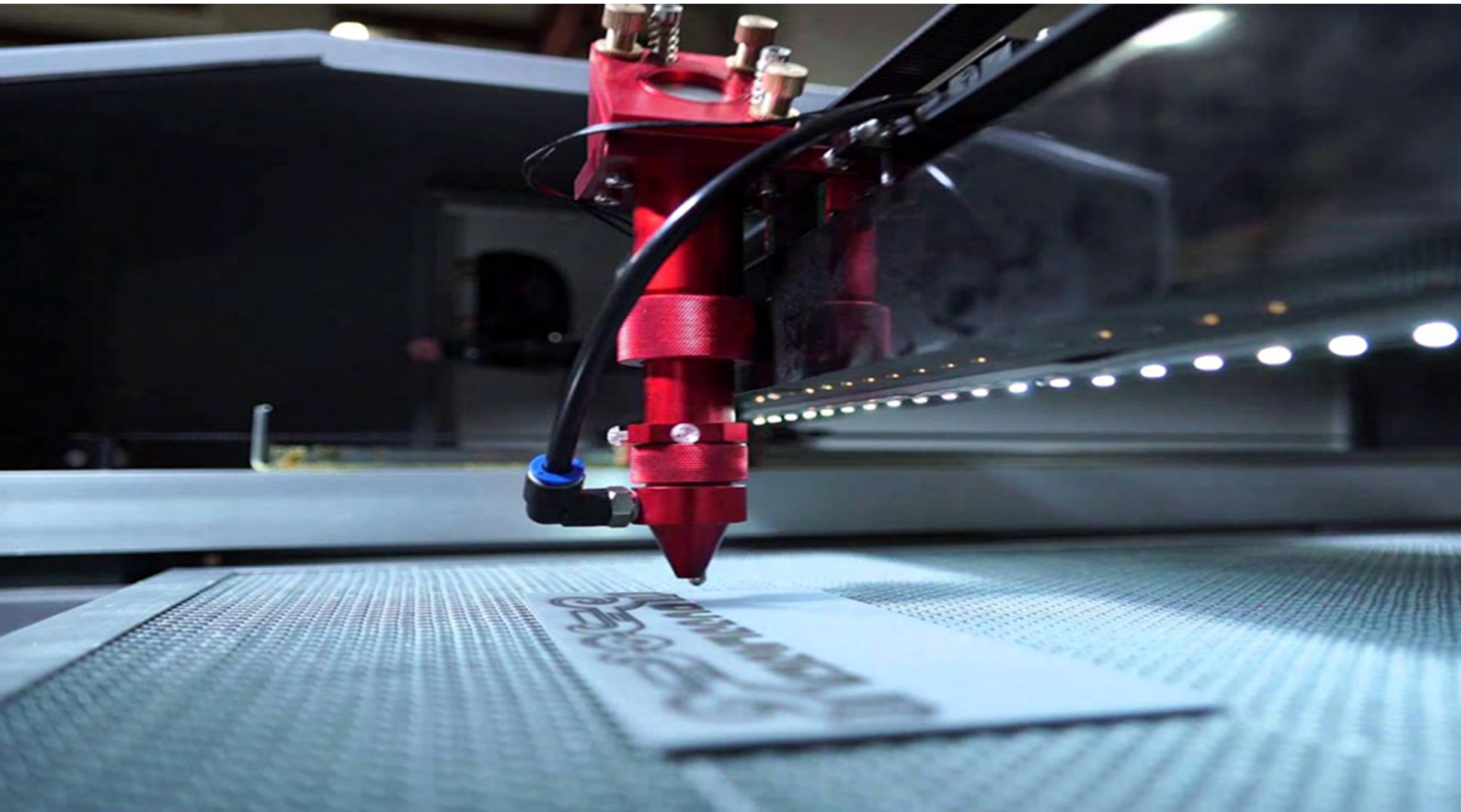
It is our commitment to fix all problems as quickly as possible after they are brought to our attention. Should you have any questions about our support policies please feel free to contact. All emails will be answered as soon as possible. Please be as descriptive as possible in your email.

#### SYSTEM DIAGNOSES AND TROUBLEHOOTING

Fault diagnosis can be performed by a remote maintenance service. To achieve this, the technician is given access to your computer via the internet, using a program called 'TeamViewer'. They will then check the status of your laser software and ensure there are no obvious issues with your connection to the laser machine. This is performed in a mere few minutes, saving you lots of time and money.







Do you have any questions?  
Get in touch with us

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Optical Valley, Hubei,  
P.R.C 430072.

TEL: +86-186-2117-3208

Fax: 1-800-321-4568

E-mail: [info@rochase.com](mailto:info@rochase.com)

It is our commitment to provide good products and top service as well as fixing all problems as quickly as possible once they are brought to our attention. Should you have any questions, or need any help, please feel free to let us know!