



IT LASER



RATNESH INTERNATIONAL

Professional Supplier of Laser Machines



Introduction

Ratnesh International launched RNG EKO GREEN brand for IT laser machines which saves energy and are eco-friendly. With the operational belief that Professionalism lies in details since establishment, Ratnesh International keeps as its developing goals that creating outstanding products to meet beyond customer's expectations.

RNG EKO GREEN IT Laser machines applies for industries of lighting, electronics, auto parts, chemical, jewellery, cosmetics, kitchenware, stationery, food, tobacco, craft gift etc., mark-able materials like stainless steel, aluminium alloy, metal-coated materials, electroplates, industrial plastic(PVC/PC/PU), rubbers, ceramic etc. With advanced equipment, superb technology, excellent product quality, after-sales service and rich management experience, we have developed into a well-known manufacturing enterprise in laser series products in the Asia-Pacific region.



Platform Fiber Laser Marking Machine RNG-ITFB10/20-1

► Applicable Materials

- All kinds of metals, special for aluminium alloy, metal-coated materials, electroplates, industrial plastic(PVC/PC/PU), rubbers, ceramic etc..

► Features

- Platform fiber laser marking machine adopts imported fiber laser generator enable stable output and high quality laser mode. Furthermore, low running cost, long-term working and free for maintenance.
- No materials consumed, processing cost is much lower than traditional silkscreen, more clear and rub resistant.
- The platform is movable for easy operation, suitable for marking on flat surface.
- The marking software supports files such as Coreldraw, AutoCAD, Photoshop and PLT,PCX,DXF,BMP; SHX or TTF can be directly adopted; the functions such as autocoding for sequence No., batch number, date, barcode and so on.

► Machine Display



► Sample Display



►►► Technical Index

Model No.	RNG-ITFB10-1	RNG-ITFB20-1
Laser Power	10W	20W
Max. Marking Speed	15,000mm/s	15,000mm/s
Min. Line Width	0.15mm	0.15mm
Marking Speed	800-3,000mm/s	800-3,500mm/s
Beam Quality M2	<1.6	<1.6
Pulse Repetition Rate	20-100KHz	20-100KHz
Laser Wavelength	1,064nm	1,064nm
Marking Area	110×110mm	110×110mm/175×175mm
Cooling	Air Cooling	Air Cooling
Running Environment	15℃-35℃	15℃-35℃
Power Supply	220V/50Hz	220V/50Hz
Power Consumption	0.5KW	0.5KW
Dimension	600×750×1,380mm	600×750×1,380mm

Multi-station Rotating 3D Laser Machine RNG-ITFB10/20-1

► Applicable Materials

- All kinds of metals, special for aluminium alloy, metal-coated materials, electroplates, industrial plastic(PVC/PC/PU), rubbers, ceramic etc...Especially suit for LED bulb, CFL, Lamp holder, Lamp Base, Flash Light, Spot Light etc.

► Features

- Multi-station rotating 3D laser marking machine adopts imported fiber laser generator enable stable output and high quality laser mode. Furthermore, low running cost, long-term working and free for maintenance.
- No materials consumed, processing cost is much lower than traditional silkscreen, more clear and rub resistant.
- Equipped with multi-station rotating platform, keep continuous working, high output, save manpower, no inaccuracy after millions of rotating operation.
- The marking software supports files such as Coreldraw, AutoCAD, Photoshop and PLT,PCX,DXF,BMP; SHX or TTF can be directly adopted; the functions such as autocoding for sequence No., batch number, date, barcode and so on.

► Machine Display



► Sample Display



►►► Technical Index

Model No.	RNG-ITFB10-5	RNG-ITFB20-5
Laser Power	10W	20W
Min. Line Width	0.2mm	0.2mm
Marking Speed	800-2,000mm/s	800-3,000mm/s
Beam Quality M2	<1.6	<1.6
Pulse Repetition Rate	20-100KHz	20-100KHz
Laser Wavelength	1,064nm	1,064nm
Marking Area	110×110mm	110×110mm
Cooling	Air Cooling	Air Cooling
Running Environment	15℃-35℃	15℃-35℃
Power Supply	220V/50Hz	220V/50Hz
Power Consumption	0.5KW	0.5KW
Dimension	1,000×650×1,380mm	1,000×650×1,380mm

Co2 Glass Laser Marking Machine RNG-ITC02-30/60-1

► Applicable Materials

- Glass bulb light, HID light, ashtray, glass door & window, glass vessel, bamboo ware, wooden ware, leather etc.

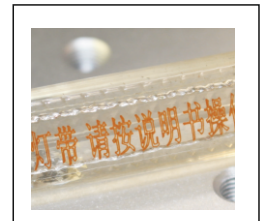
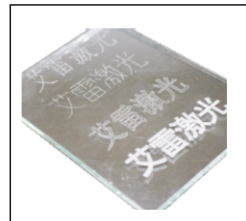
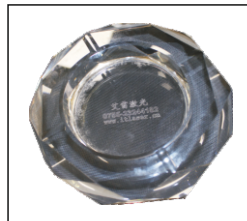
► Features

- Co2 glass laser marking machine adopts CO2 laser generator provide stable output and high quality laser mode. Furthermore, low running cost, long-term working and free for maintenance.
- No materials consumed, processing cost is much lower than traditional silkscreen, more clear and rub resistant.
- The platform is movable for easy operation, suitable for marking glass and ceramic products etc.
- The marking software supports files such as Coreldraw, AutoCAD, Photoshop and PLT,PCX,DXF,BMP; SHX or TTF can be directly adopted; the functions such as autocoding for sequence No., batch number, date, barcode and so on.

► Machine Display



► Sample Display



►►► Technical Index

Model No.	RNG-ITC02-30-1	RNG-ITC02-60-1
Laser Power	30W	60W
Min. Line Width	0.6mm	0.6mm
Marking Speed	800-2,000mm/s	800-3,000mm/s
Pulse Repetition Rate	0-50KHz	0-50KHz
Laser Wavelength	10.64μm	10.64μm
Marking Area	70×70mm/110 ×110mm	70×70mm/110×110mm
Cooling	Air Cooling	Air Cooling
Running Environment	15℃-35℃	15℃-35℃
Power Supply	220V/50Hz	220V/50Hz
Power Consumption	0.8KW	1.5KW
Marking Depth	2mm	3mm

Nonmetal Laser Cutting Machine RNG-ITQG-1410T/1610T

► Applicable Materials

- Wood products, paper, organic glass, epoxy resin, acrylic, plastic, rubber, bamboo products, nonmetal materials etc.
- Suitable for LED acrylic light guide plate, artwares, advertising, decoration, packaging and printing, paper product etc.

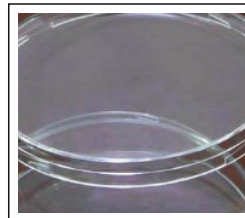
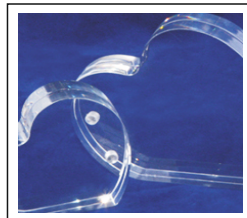
► Features

- Any radian of curve can be cut fast and continuously.
- Supports a variety of software, such as CAD, CorelDRAW, GERBER.
- Can store hundreds of working files, in case of without computer, can choose the file on the cutting machine, easy to make quantity production.
- Long distance transmission without distortion, strong anti-interference, has 12 ways output, 16 ways input, can connect with the production site easily.
- Low running cost, long-term working and free maintenance.

► Machine Display



► Sample Display



►►► Technical Index

Model No.	RNG-ITQG-1410T	RNG-ITQG-1610T
Laser Power	100W	130W
Min. Line Width	2mm	2mm
Marking Speed	≤600mm/s	≤600mm/s
Beam Quality M2	±0.05mm	±0.05mm
Laser Wavelength	10.64μm	10.64μm
Cutting Area	1,400×1,000mm	1,600×1,000mm
Cooling	Water Cooling	Water Cooling
Running Environment	15℃-35℃	15℃-35℃
Power Supply	220V/50Hz	220V/50Hz
Power Consumption	<1.6KW	<1.6KW
Dimension	1,900×1,490×1,170mm	2,150×1,720×1,380mm

High Speed Q-Switched Pulsed Fiber Laser RNG-ITFB30-6

► Applicable Materials

- All kinds of metals special for aluminium alloy, gold, silver, stainless steel, Metal-coated materials, electroplates, industrial plastic(PVC/PC/PU), rubber, paper, ceramic etc.

► Features

- This Laser Marking Machine adopts Raycus 30W Q-switched pulsed fiber laser generator (RFL-P30Q/A3/115/2) which enable stable output and high quality laser mode. Furthermore, low running cost, long-term working and free for maintenance.
- No materials consumed, processing cost is much lower than traditional silkscreen, more clear and rub resistant.
- Machine is customized and specially designed for meeting high speed production requirement for FMCG products in Food & Beverage Industry, Pharmaceutical Industry, Cosmetics Industry, Electrical & Electronics Industry etc. Packaging like pet bottles, tetra packs, poly rappers, labels, cans, paper and board boxes, medicine strips, corks of glass bottles can be easily marked with laser machine.
- Fast marking speed, 2-3 times faster than the traditional marking machine.
- The marking software supports files such as Coreldraw, AutoCAD, Photoshop and PLT,PCX,DXF,BMP; SHX or TTF can be directly adopted; the functions such as autocoding for sequence No., batch number, date, barcode and so on.

► Machine Display



► Sample Display



►►► Technical Index

Model No.	RNG-ITFB30-6
Laser Power	30W
Marking Depth	≤0.8mm
Min. Line Width	0.01mm
Marking Speed	7,000mm/s
Pulse Repetition Rate	30-80KHz
Laser Wavelength	1065±10nm
Marking Area	150mm×150mm
Minimum Character Height	0.15mm
Cooling	Air Cooling
Running Environment	10℃-35℃
Power Supply	220V/50Hz
Power Consumption	≤0.5KW
Humidity	5% to 75% (free of condensed water)

Corporate Office:





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