Wattsan

1610 LT

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Wattsan 1610 LT

Model	1610 LT
Brand	Wattsan
Laser type	Sealed CO2 laser tube
Application	Cutting, engraving
Warranty	1 year

The large format laser machine **Wattsan 1610 LT** is designed for cutting and mass production of products from non-metallic materials. The device provides high-precision machining with a positioning accuracy of up to 0.01mm, and is easy to use and durable.

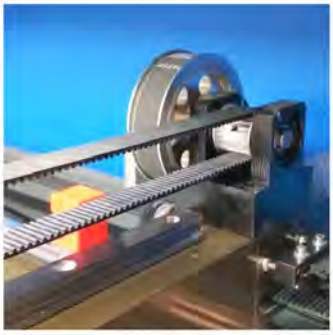
Engraving: wood, plywood, cardboard, plastics, rubber, leather, fabric, fur, plexiglass (acrylic), PET, MDF, glass, stone etc.

Cutting: wood, plywood, cardboard, paper, plastics, plexiglass (acrylic), leather, fabric, fur, PET, MDF, rubber, paronite, foam rubber

Product parameters

The belt is located under the gantry, stretches less and lasts longer.

Works with all file forms and is the most popular in the world.



Extends the service life of the stepper motor, and provides high-speed operation without coin cutting.

Dimensions

Working area	1600 * 1000 mm
Machine size (L * W * H)	1505 mm * 2200 mm * 670 mm + 315 mm (if on its wheels)
Packing size	2300 * 1600 * 810 mm
Weight	442 kg

Optics

Laser power	100-120 W
Engraving depth	3 mm
Max. cutting thickness (wood)	10-13 mm
Diameter of mirrors	25 mm
ZnSe lens	o20 f-50
Focal length	50 mm
Laser tube life	10000 h

Mechanics

Table model	Lamels
Lifting table	Yes
Lowering depth of the work table	160 mm
Control system	Ruida RDC 6445G
Cutting speed	0-500 mm/s
Engraving speed	0-700 mm/s
Cooling	Water
Electric power supply	220V
Power consumption	2050
Through table	Yes (Y-axis)
Y-axis structure	Linear guide AMT PMI MSB 15S
X-axis structure	Linear guide AMT PMI MSB 15S
Engine on X	57-H350C/ SH
Engine Y	57-H350C/ SH

Sphere of application

Souvenir industry, decor, light and heavy industry, funeral services, prototyping and much more. Laser cutting machines are used as stand-alone devices and in combination with other machines, as well as auxiliary equipment for production.

Advantages:

Frame construction
the uniqueness of all Wattsan laser machines is the presence of a frame structure, this increases the weight of the machine and eliminates vibrations even at high speeds.

Belt gear reducer and 3M belt
has an increased service life due to the size of the tooth, and also excludes the coin cut due to special materials. Relieves stress on stepper motors, extending their service life.

Strengthened portal
the wall thickness of the aluminum profile is 5mm, even at maximum speed you will get a perfect engraving.

PMI rails
guarantee high accuracy throughout the entire service life of the machine. It is the most widely used brand in the whole world.

Unique cutting head
We design our machines with universal cutting heads with wide and narrow nozzles. The wide nozzle blows away combustion residues and promotes better engraving. The laser head is designed for use with lenses with different focal lengths.

Three Phase Stepper Motors
They are characterized by increased accuracy and reliability, as well as provide a smaller step when engraving.

Ruida 6445G
the most widely used laser control system in the world. The new modification has an enlarged display.

Service

Wattsan has developed a unique customer support system! We will provide on-line support to any customer by machine serial number, even if you purchased the machine on the aftermarket, for the life of the machine.
When you receive your machine, you can connect it yourself, your nearest dealer, or contact Wattsan manufacturing by video!

1) Technical support
2) Remote machine startup
3) Remote machine setup and commissioning
4) Training on work with application software and the machine tool.
5) Remote software update
6) Consulting on spare parts and consumables.
7) Consultation on working with various materials.

If there are no official Wattsan dealers in the region, we can offer an engineer or a dealer consultation from a factory. It can be implemented in two ways:

An engineer from China will come to your location.

We will organize a video conference between you and the Chinese engineer or dealer.

During the consultation, you will receive additional free training on how to use your Wattsan machines, in which we will explain everything in detail and answer all your questions. Besides, with the Wattsan machine, you will receive detailed instructions on launching the device independently.

Recommendations
for CIF and FOB shipment

We are accountable for transportation from the factory to the indicated destination. Hence, all documents related to it are under our responsibility, such as way bill, invoice, packing list.

It is beter to knd a local logistics company in advance before goods are ready for shipment. In order not to overpay for storage in the warehouse aher.

Indicate concrete days for shipment so that both parties would be aware of transportation

EXW FOB CIF

EXW 1

Ex works
Key Takeaways. Ex works (EXW) is a shipping arrangement in which a seller makes a product available at a specific location, but the buyer has to pay the transport costs.

Shipment 2

Cost, insurance, and freight **(CIF)** is an international shipping agreement used when freight is shipped via sea or waterway. Under CIF, the seller is responsible for covering the costs, insurance, and freight of the buyer's shipment while in transit

Under the terms of **FOB** (short for "Free on Board"), the seller clears the goods for export and ensures they are delivered to and loaded onto the vessel for transport at the named port of departure. ... FOB only applies to ocean or inland waterway transport.

Documents 3

— bill of landing
— Invoice
— packing list

Tracking 4

Track code allows you to quickly track the shipment and know the location.

Equipment selection for the customer, instruction on logistics

Execution of the contract

Payment

Production of the machine

Quality control check (photo and video fixation)

Shipping

Receiving of the machine by the customer

Launching equipment
(Service engineer from China or from near dealer or On-line launching)

Machine operator and tool training

24/7 Support

Watsan
Factory in China

Due to innovations and high requirements for quality and service, Wattsan CNC Technology Co holds a leading position among world Laser and Milling equip- ment manufacturers. Launched in 2003, we have set new standards in the CNC manufacturing sector, helping to grow the industry overall, while supporting small and big business.

We are improving our equipment so that you get the best!

In order to use our machines all over the world, for customers, we make them as reliable as possible and select the most popular consumables.

24/7
support

70
engineers

13
years

43 000 м²
factory area

We have an extensive network of dealers and a large number of service engineers! The Wattsan service engineer training system ensures that our engineers are highly qualified. Each Wattsan service engineer receives a training program that ensures a high level of knowledge necessary to start-up, operate, maintain, and repair our entire line of machines.

Dealer
Service

We will show the machine in On-line mode

Our employees will conduct a demonstration of the machine on-line or send you a video of cutting (engraving) your material according to your layout.
If necessary, service engineers will resolve most of the issues that arise using video communication.

Production phases

Equipment development

1 The company performs equipment improvements based on the analytical data of our engineers and the opinion of our customers.

Selection of component parts

2 When choosing components for equipment, the company focuses on the most reliable and common components. This allows us to be as flexible as possible for our clients. Thanks to these qualities, Wattsan has become one of the most in demand in the world equipment market.

Manufacturing

3 Wattsan equipment is manufactured under strict control in accordance with quality standards.

Quality control and packaging

4 After assembly, each machine is checked with special devices, a test sample is started.

5 The repeated test switch-on is carried out also before packing the machine.

6 Obligatory check of the complete set and packing in accordance with the standards. Secure delivery. On request, the factory will pack the machine in a different way.

The process can be recorded on video

Each machine has:

7 - brand shields

- an individual number to simplify communication with the customer service at the request of the client

- each machine is certified and data is stored in the factory

8 Machine manufacturing takes no more than two weeks