

WATTSAN 1610 DUOS CONVEYER

 770 kg

The **Wattsan 1610 Duos Conveyer** is an advanced medium format model for laser cutting and engraving of non-metallic materials.

The Duos Conveyer without rewinder is designed for cutting woven and roll materials. The conveyer table allows work without the machine operator.



Cutting: fabric, leather, foam rubber, fur and other roll materials

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

Product parameters

Model	1610 DUOS CONVEYER
Brand	Wattsan
Laser type	Sealed CO2 laser tube
Application	Cutting, engraving
Warranty	1 year
Dimensions	
Working area	1600 * 1000 mm
Machine size (L * W * H)	2200 mm * 1800 mm * 1105 mm
Packing size	2300 * 1980 * 1200 mm
Weight	770 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	ø20 f-50
Focal length	50 mm
Laser tube life	10000 h

Mechanics	
Table model	Net table
Lifting table	No
Lowering depth of the work table	40 mm
Control system	Ruida 6442G
Cutting speed	0-400 mm/s
Engraving speed	0-600 mm/s
Cooling	Water
Electric power supply	220V
Power consumption	3500
Through table	Yes (Y-axis)
Y-axis structure	Roller metal, metal rollers
X-axis structure	Roller metal, metal rollers
Engine on X	57-H350C / SH
Engine Y	57-H350C / SH
Engine for the second head	57-H350B

Wood
processing



Production of
souvenir



Light and medium
industry



Decor and design



Outdoor
advertising

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.

Through table

The fact is that the design of the equipment allows you to remove the front wall and use the free space for through cutting.

This feature of the machine, coupled with two working heads, will allow you to accelerate series production to an unusually high level.



Advantages:



Strengthened portal

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



Through table

the most important advantage of the 1610 DUOS CONVEYER is the ability to work with material of unlimited length. If necessary, we can make a roll holder on your order..



Cutting fur

although cutting fur is quite difficult, Wattsan 1610 Duos Conveyer allows you to set the camera so that the laser beam will penetrate only basis, without affecting fur.



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.



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.



PMI rails

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



Two working heads

that is why the machine is called DUOS. The two heads work synchronously with a minimum distance of 130 mm from each other, which speeds up the production process of serial products in half.

All machine tool upgrades are aimed at improving the end result, taking into account the opinions of customers. The products obtained in Wattsan machines do not require additional processing. We consider many factors so that our customers can get the best quality products at a lower cost. Each laser machine is designed to work 24/7.



Processable materials:

Laser machine Wattsan 1610 Duos Conveyer is designed for cutting and engraving on a wide range of materials. Our task is not only to choose the right machine, but also to describe the specifics of processing all materials.



Fabric



Leather



Foam rubber



Fur



Wood



Plywood



Cardboard



Plastic



Acrylic



PET



MDF



Rubber



Glass

Training to work on the machine

Our machines are used all over the world with a huge variety of materials.

We are constantly gaining experience and will advise not only how to choose the optimal parameters for work, but also help to organize production.



If you have any questions about working with any material or your vector, our manager will send you a video of working with it!



We send the machine with a instruction book, thanks to which you can start the machine yourself.



We communicate using a video call and explain how to start the machine yourself.



An engineer from China arrives to you and gives training on how to work with the machine.



The nearest dealer (may be from the same or a neighboring country) will arrive to you and give instructions.

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.

70
engineers

13
years



43000
factory area

24/7
communication

Well-organized processes at all stages



Durability

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.



Development

The development department designs the machines so that they are suitable for all areas of production. Wattsan machines are designed to work in a 24/7 mode.



Training

Wattsan has developed and is constantly improving a support system, training for customers and partners, which allows you to start using the equipment in a short time, avoid simple mistakes and get an immediate response from the service department.



Quality

We use modern high-precision equipment for the assembly of machine tools. This is a guarantee of the highest rate of accuracy of machines throughout the entire life of the equipment.



Exhibition




Certificates





When choosing components for our machines, we not only select the best components, but also control their availability in other countries for quick service by our customers or service engineers around the world.

 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.

