WATTSAN 1610 DUOS CONVEYER

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 | o20 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 |



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.

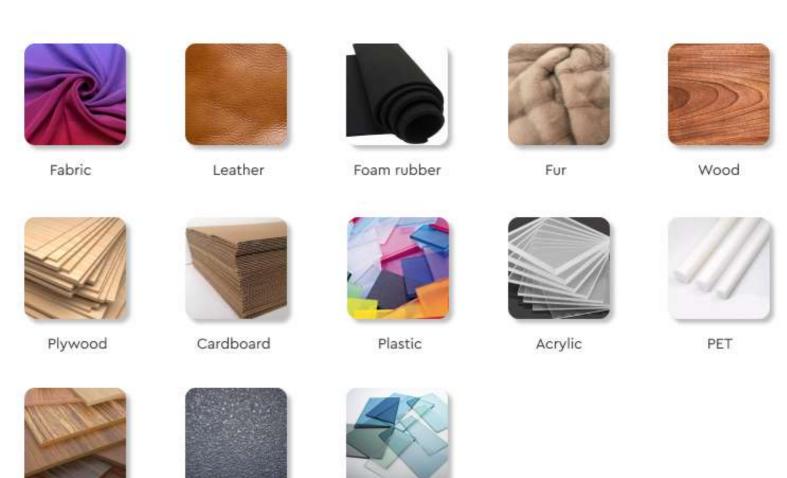


Processable materials:

Rubber

MDF

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.



Glass

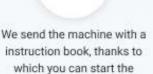


Training to work on the machine

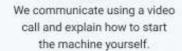
Our machines are used all over the world with a huge variety of materials.

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!



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!

70 engineers

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.



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.



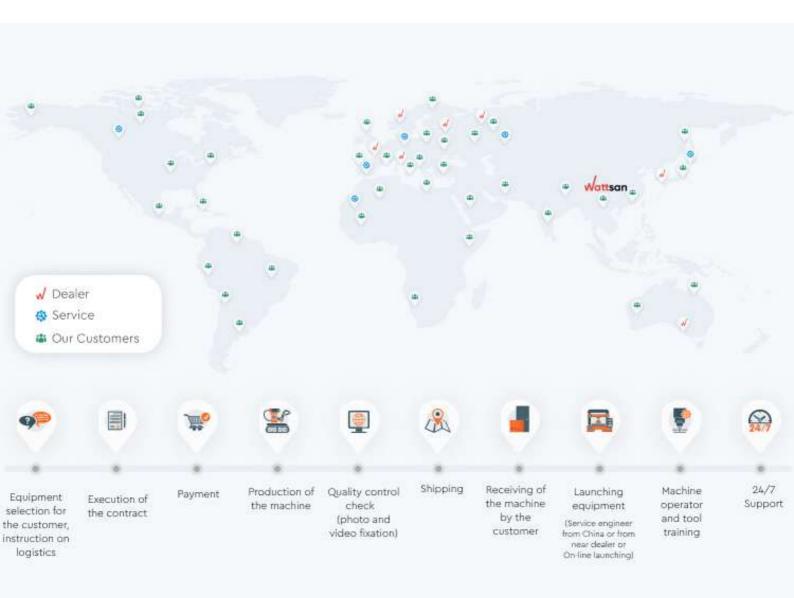
Training

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.



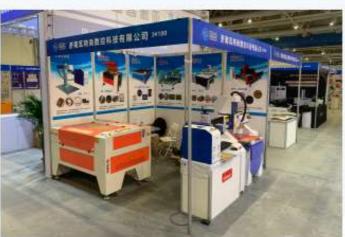
Quality

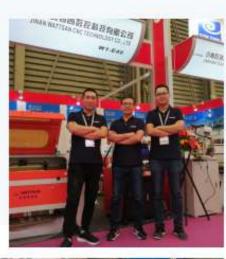
We use modern highprecision equipment for the assembly of machine tools. This is a guarantee of the highest rate of accuracy of machines throughout the entire life of the equipment.



Exhibition











Certificates

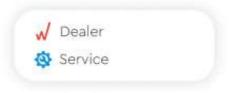








When choosing components for our machines, we not only select the best components, but also control their availability in other countries for quick service by our customers or service engineers around the world.



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.













