

# WATTSAN 0203 micro

 38 kg

The laser machine **Wattsan 0203 micro** is designed for hobby and small-scale production.

The machine is a fairly compact product, so it can be placed even with a lack of free space.

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

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



# Product parameters

Model	0203 micro
Brand	Wattsan
Laser type	Sealed CO2 laser tube
Application	Cutting, engraving
Warranty	1 year
<b>Dimensions</b>	
Working area	200 * 300 mm
Machine size (L * W * H)	810 mm * 500 mm * 265 mm
Packing size	935 * 630 * 370 mm
Weight	38 kg
<b>Optics</b>	
Laser power	40W
Max. cutting thickness (wood)	3-4 mm
Diameter of mirrors	20 mm
ZnSe lens	18 mm
Focal length	38 mm
Laser tube life	7000 h

<b>Mechanics</b>	
Table model	Honey comb / Blade table
Lifting table	No
Control system	M2
Cutting speed	0-300 mm/s
Engraving speed	0-700 mm/s
Cooling	Water
Electric power supply	220V
Power consumption	350
Through table	No
Y-axis structure	Round guide, bearing LM12UU
X-axis structure	Roller
Engine on X	JK42HS34-1304A-01F 34mm 1.3A
Engine Y	JK42HS34-1304A-01F 34mm 1.3A

Stamps and  
seals



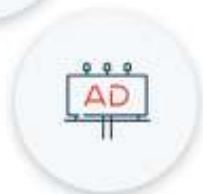
Production of  
souvenir



Mobile phone  
engraving



Decor and design



Outdoor  
advertising

## Sphere of application

The machine is far ahead of similar machines thanks to its engraving quality, so it is a very useful machine in the production of stamps and seals for individual entrepreneurs and limited liability companies in small printing houses and operational printing.



## Working area of laser machine Wattsan 0203 micro

The desktop engraver is equipped with a honeycomb working table of 200 \* 300 mm, which is best suited for processing small items.

# Advantages:



## Portal

The portal is a metal profile on which horizontal pressure rollers are located. This design adds strength, and the portal itself is excellently maintainable.



## Supported graphic formats

The device is connected to a computer via a USB port and supports CorelDraw and AutoCAD programs. The laser machine supports the following graphic formats: BMP, PLT, CDR, DXF, AI, SVG and others.



## Manufacturing of seals

The main area of application of the Wattsan 0203 micro is the manufacture of seals. For even a thin beam, it turns out to make excellent engraving and highly detailed prints..



## Laser head

The laser head is equipped with an 18 mm lens. The 18mm lens has the advantage of being widely available and easy to find if you need to replace it.



## 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.



## Compact machine

WATTSAN 0203 micro takes up little space and is easy to use, you can put it in your garage or workshop and start working right away.



## 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.

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 0203 micro 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.



Plywood



Fabric



Rubber



Plastic



Wood



Leather



Acrylic



Ceramic tile



Crystal jade



Bamboo products



Granite



Marble



Resin



Cardboard



Paper



Fur



PET



MDF



Paronite



Foam rubber

## 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.

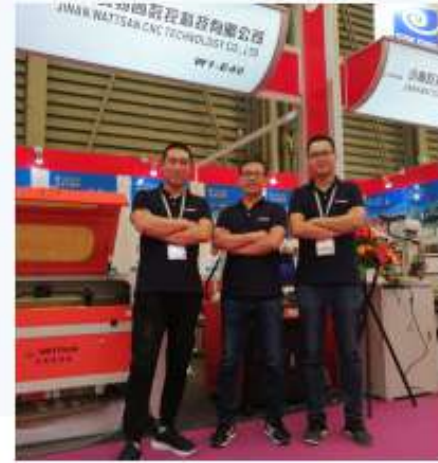
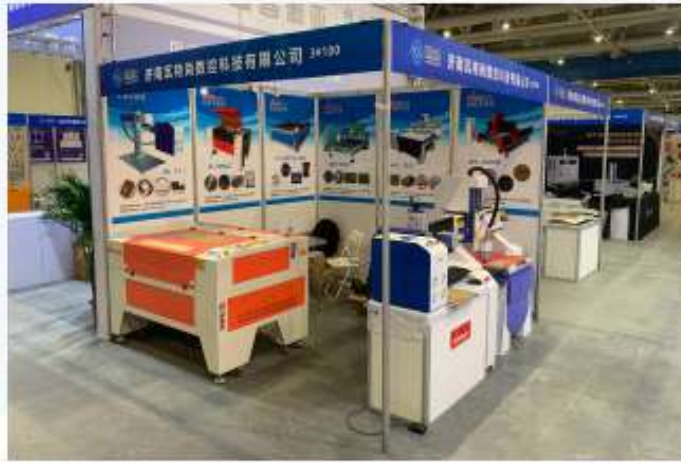


### Quality

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.

