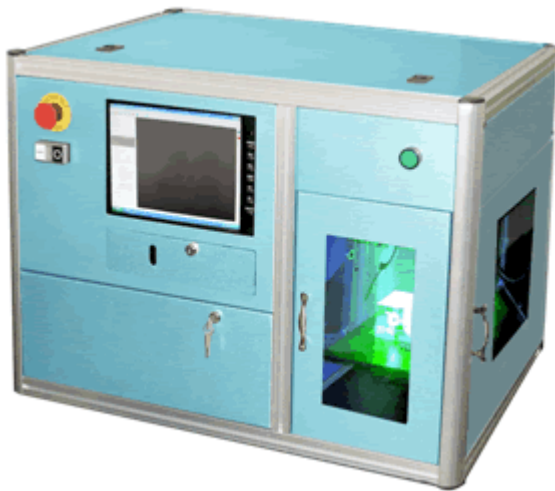




ST-C1 3D/2D Laser Subsurface Engraving Machine

ST-C1 3D/2D Laser Subsurface Engraving Machine is a type of laser processing equipment that combines laser technology, computer technology and integrates optics, machinery and electronics together.

The machine combines with German, Russian, Italian technology and it adopts servo-controlling system with high precision and efficiency under the computer control, which has the features of high production efficiency and stable processing performance.



Specifications:

Laser Medium:	Diode-pumped solid-state laser
Cooling:	Air cooled
Laser Wavelength:	532nm
Pulse Repetition Rate:	2 kHz
Pulse Width:	7ns
Pulse Energy:	1.2mJ
Laser Beam Quality:	TEM ₀₀ , M ₂ <1.5
Resolution:	500 DPI
Engraving Field:	max :160mm*160mm*100mm
Engraving Speed:	12000 dots/min
Input Electricity:	220VAC/110VAC, 50Hz
Power Consumption:	0.6KW
Dimension(L*W*H):	760mm*560mm*560mm
Weight	65kg

ST-C2 3D/2D Laser Subsurface Engraving Machine

ST-C2 3D/2D Laser Subsurface Engraving Machine is a new laser processing equipment that combines laser technology & computer technology and integrates optics, machinery and electronics together.

It adopts pulse laser and focuses the laser beam inside transparent materials such as glass or quartz to produce nanometer points of vaporous burst. Because the points can constitute splendid picture, pattern and words inside the material controlled by a computer, ordinary transparent material can be made into grade luxurious art wares.

Our series laser subsurface engraving machines are usually used in glass decoration industry, crystal gift industry, glass gift industry, and glass and Plexiglas signs industry. It can also be used in secondary process industry of all kinds of bottles and other transparent materials.



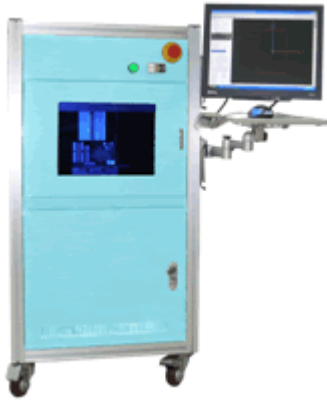
Specifications:

Laser Medium	Diode-pumped solid-state laser
Cooling	Air cooled
Laser Wavelength	532nm
Pulse Repetition Rate	2 kHz
Pulse Width	7ns
Pulse Energy	1.2mJ
Laser Beam Quality	TEM ₀₀ , M ₂ <1.5
Resolution	500 DPI
Engraving Field	max. 190mm*160mm*100mm
Engraving speed	1500 dots/second
Input Electricity	220VAC/110VAC, 50Hz
Power Consumption	0.6kW
Dimension	760mm*560mm*560mm
Weight	65 kg

ST-C3 3D/2D Laser Subsurface Engraving Machine

ST-C3 3D/2D Laser Subsurface Engraving Machine with full automation and high reliability can work continuously for a long time and engrave at high speed.

Powerful engraving software can make various three-dimensional, plane characters and images etc.



Specifications:

Laser Medium	Diode-pumped solid-state laser
Cooling	Air cooled
Laser Wavelength	532nm
Pulse Repetition Rate	2 kHz
Pulse Width	7ns
Pulse Energy	1.2mJ
Laser Beam Quality	TEM ₀₀ , M ₂ <1.5
Resolution	500 DPI
Engraving Field	max. 300mm*250mm*100mm
Engraving speed	1500 dots/second
Input Electricity	220VAC/110VAC, 50Hz
Power Consumption	0.6kW
Dimension	L 570mm*W 780mm*H 1000mm
Weight	<110kg

ST-C5 3D/2D Laser Subsurface Engraving Machine

ST-C5 3D/2D Laser Subsurface Engraving Machine is a new laser processing equipment that adopts pulse laser and focuses it inside transparent materials to produce nanometer points of vaporous burst.

Combined with German, Russian, Italian machines' technology, it adopts servo-controlling system with high precision and efficiency under the computer control, which has the features of high production efficiency and stable processing performance. It adopts laser processing technology, which makes the crystal and laser focus point move correspondingly. Laser focus point gasifies the crystal by optical effect, and then forms countless ordered spots, which make up an exquisite and perfect three-dimensional picture.

Because the points can constitute splendid picture, pattern, and words inside glass controlled by computer, ordinary transparent materials can be made into grade luxurious art wares. Its products can give person Crystal-clear and fine noble visual image, that's elaboration for your decoration.



Specifications:

Laser Type	Diode-pump solid-state laser
Laser Wavelength	532nm
Pulse Width	8ns
Pulse Repetition Rate	2kHz (Optional 2k-5kHz)
Engraving Speed	120000-300000 dots/min
Max. Engraving Field	L190mm*W160mm*H100mm
Number of Laser Scanner	1
Cooling	Air cooled
Power Consumption	≤ 0.6 W
Control	Servo-controlled
Focused Beam Diameter	0.02mm
Repeated Precision	0.05 mm
Dimension	880*480*780mm
Weight	100 kg

ST-SUB08 and ST-SUB16 Laser Subsurface Engraving

Laser subsurface engraving machine is laser processing equipment integrating optics, machinery and automation. Since it adopts laser technology, automation and computer science, the machine can engrave all kinds of exquisite & perfect 3-dimensional pattern inside the transparent crystal glass in different specs and shapes.

ST-SUB series laser subsurface engravers are sixteen-head or eight-head green laser crystal subsurface engraving machines, which can engrave sixteen or eight crystal glass products at the same time. The engravers can make person crystal-clear and fine noble visual image, that's elaboration for your home decoration.

Characteristics

- With high automation & high reliability, it can work continuously for a long time and engrave at high speed.
- With powerful software, it can make various three-dimensional, plane characters and images.
- Non-touch style process ensures that the surface of the crystal keeps bright.
- The engraved pattern is exquisite, crystal-clear and 3-dimensional.

Application fields

Craft gifts, decoration, mirror and glass industry, etc.



Specifications

Engraving Range:	L250×W250×H80mm
Engraving Speed	4800 dots/min (ST-SUB08) / 9600 dots/min (ST-SUB16)
Engraving Head	8 heads (ST-SUB08) / 16 heads (ST-SUB16)
Laser Type	Lamp-pumped Nd:YAG laser
Laser Wavelength	532nm
Pulse Repetition Rate	100Hz
Input Electricity	4KW (ST-SUB08) /6KW (ST-SUB16)
Control System	Servo-controlled

ST-SUB200B Laser Galvanometer-scanned Sub-surface Engraving Machine

Characters

- High laser pulse repetition rate, high engraving speed.
- With high automation & high reliability, it can work continuously for long time.
- Non-touch style process ensures that the surface of the engraved crystal keeps bright and clean.
- Suitable for large shopping malls, tourist attractions and the place of big population so that the machine makes the personalized portrait.



Technical Parameters:

Laser Type	Lamp-pumped Nd:YAG laser
Laser Wavelength	532nm
Pulse Repetition Rate	200Hz (Optional 300Hz)
Engraving Speed	6000-10000dots/min
Engraving Range	110*110*80 mm (optional :220*220*80mm)
Number of Laser Scanner	1
Cooling	Cooled using a chiller
Power Consumption	4kW
Weight	130 kg

Engraved Samples

