





Double-sided ITO Glass and Ag Laser Etching Machine





Characteristics:

- 1. High stability and quality machine platform: machine adopts gantry structure, machine base and gantry module using natural granite, The main optical components are fixed in the granite structure to ensure the long-term stability and accuracy. The moving parts adopts high-precision, high-rigidity rail and screw, high precision encoder position feedback, to ensure that the positioning accuracy of the machine. The key components adopted imported parts with high performance, suitable for long-term stable operation of the production line.
- 2. **High-performance UV Laser Source**: UV Laser is a diode pumped laser source with high beam quality, high peak power, short pulse duration and stable high power pulse, Product life of up to more than 15,000 hours, maintenance is simple and reliable.
- 3. **High integrated system:** Simply import processing graphics file prior to processing, and then manually placed on the workpiece to the worktable; the system automatically completes the workpiece fixed position identification, laser etching, vacuuming and all other actions, the high degree of automation. The device is a small footprint, simple operation; one person can control multiple devices.
- 4. Software: ThetaLaser is a smart laser micromachining application platform, that is user-friendly, and supports most industrial data formats.
- 5. No contamination of environment: Compared with the traditional wet process, the production process equipment does not produce effluents, does not use corrosive drugs, no effect on health of the operating personnel; small amount of dust generated in the machining process, to be collected by the dust collection system, and may then be concentrated processing. The device configuration security system can effectively guarantee the safety of the operating personnel.

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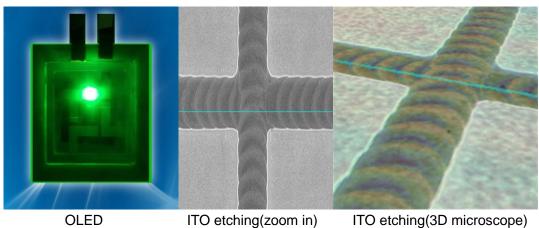
Application Range:

Single sided and double sided ITO glass, Ag, OLED etc.

Specification:

Module	TLS-G4000
Work piece dimension	400mmx500mm
Work piece count	2 piece(optional)
Processing material	Double sided ITO glass, single sided ITO glass(optional)
Machine speed	500mm/s(max)
Linearity of XY axis	1µm
work piece height	1000~1100mm
Load or unload material	automatic/manual
Fiducial mark identification	CCD two mark identification
Vacuum	Coaxial vacuum
Laser Wavelength	355nm
Operation Temperature	20~22°C
Temperate change rate	Max 1 °C /hour
Operation humidity	40~70%RH(no dew)
cleanliness	Class 10000 or higher
Input Data format	Gerber, DXF, HPGL, Sieb&Meyer, Excellon, OBD++, PCB
Input Voltage	3Ф,380VAC±10%, 20A, 50/60Hz
Compressed Air Pressure	0.8MPa
Dimension(LxWxH)	2042mm×1932mm×2000mm
Wight	5500Kg
Origin	Kunshan, China

Sample picture:



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