

Laser Glass Processing Solution
P/N: SHR-LGPS-1064-60-10

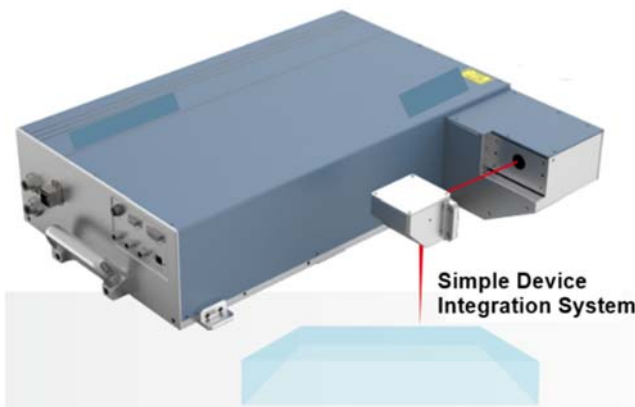


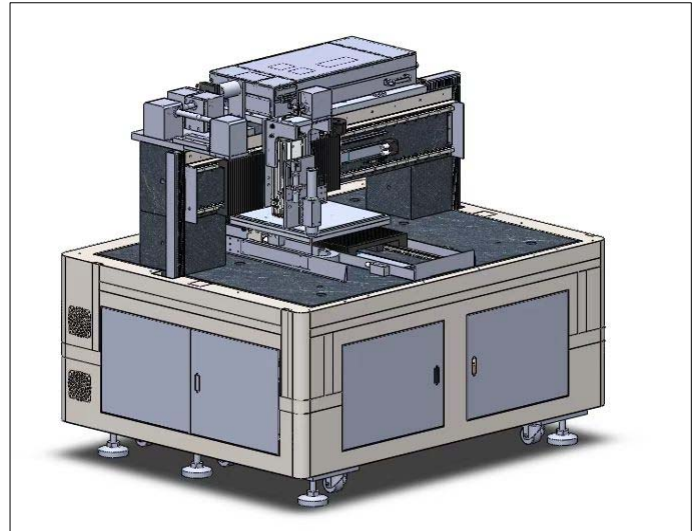
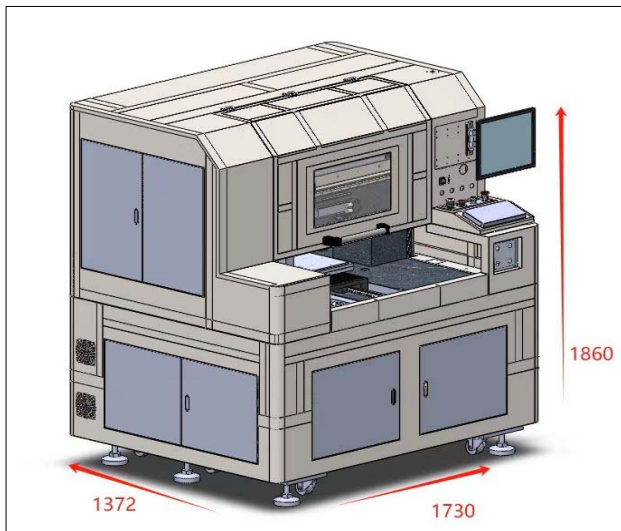
Three axis laser glass cutting machine, using perfect score technology (PST) and particle swarm optimization (PSO) core technology to ensure high-speed cutting of shaped glass with chipping less than 10um. It has high database integration, accurate and fast to find out the best process parameters. Besides, it has PLC interactive system and easy to adapt to the integration of automated production lines.

Features:

- Reduce cost and increase efficiency
- Stable and reliable equipment
- High speed cutting of shaped glass
- Rapid integration of automated production lines

Laser subsystem in glass cutting:

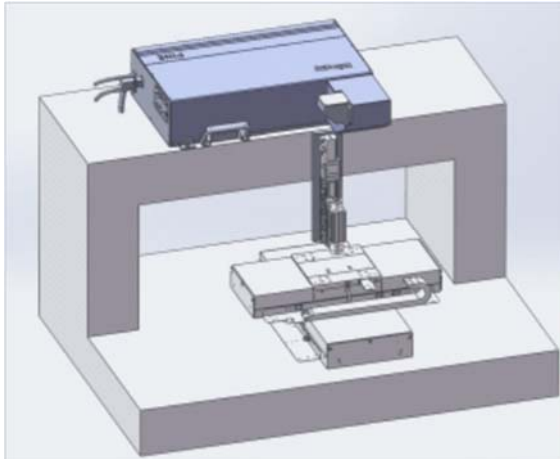


Example of laser cutting system:

Product parameters:

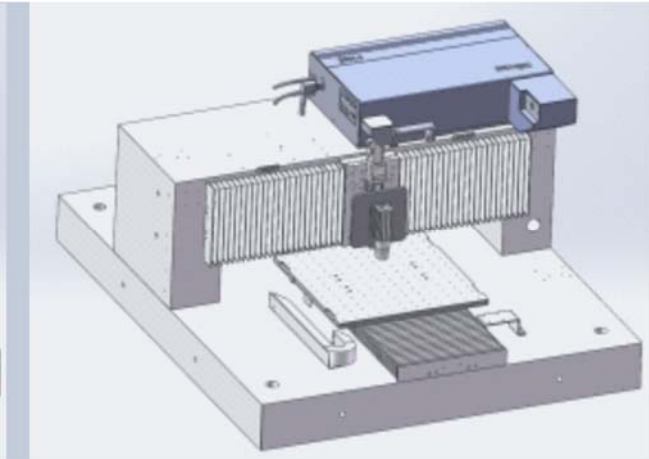
| | |
|------------------------------|---|
| Laser power | 60W/60kHz |
| Laser wavelength | 1064nm |
| Repetition rate | 50-300kHz |
| Drawing file | Support software direct editing drawing, support CAD drawing file importing |
| Pulse width | 10ps |
| Maximum thickness of cutting | 6mm |
| Spacing accuracy | +/-0.5um |
| Machining resolution | 1um |
| Amount of chipping | ≤10um |
| Cutting speed | ≤300mm/s |
| Processing width | 400mm×600mm (selectable) |
| Processing acceleration | 1g |
| Machining precision | < 5um |
| Vision module | expandable |
| Platform type | Marble table |
| Axis control | 4 control port |
| Control interface | RS-232/ethernet |
| Cable length | 3m |
| Cooling method | Water cool |
| Voltage | AC220V/AC110V, 50Hz/60Hz |
| Storage temperature | 10°C ~ 35°C |
| Operating temperature | 20°C ~ 30°C |
| Humidity | <60% |
| Environment dust | <0.20 mg/m ³ |
| Oil mist | Not allow |
| Weight | ~70kg |

* The parameters can be customized upon request. Please contact us for more information.

Type of laser beam position:



Fixed beam position



Moving beam position

Software:

PLC automatic programming

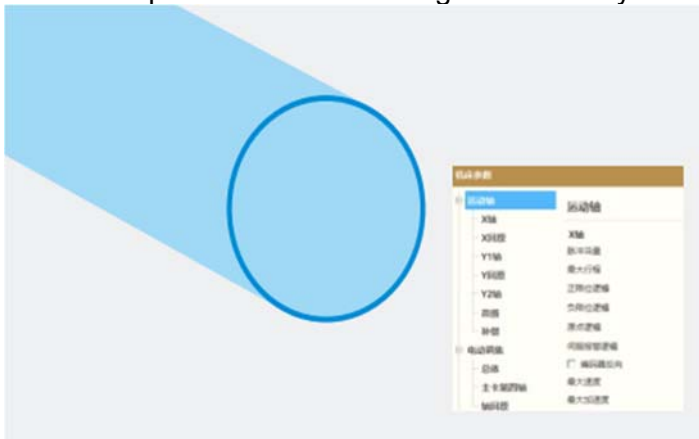
- Programmable to interface with upstream and downstream stations on automated production lines

Graphic Editing features

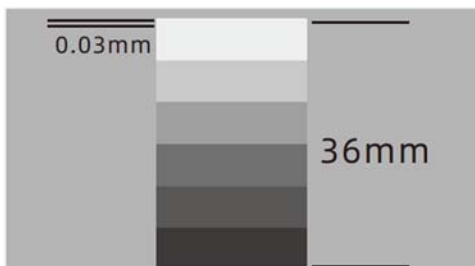
- Compatible with all types of editorial documents
- Automatic optimization of machining paths
- Customizable editing paths

Four axis control

- Output four-axis control signals for rotary cutting



Layered processing function



Automatic completion of 6 layer cutting

- Fulfil 0.03-36mm glass cutting

- Actual processing data is affected by the cutting head model

Control interface 4 in 1

- Laser control software
- Platform control software
- Cutting software
- Vision software

Sample display:



More glass laser processing machines available as follows. Please contact us if you have any special requirements.



Glass Laser Cutting Machines

Glass Laser Marking Machine

Glass Laser Cutting & Drilling Workstation



FPC Laser Cutting Machine

Wafer Laser Cutting Machine