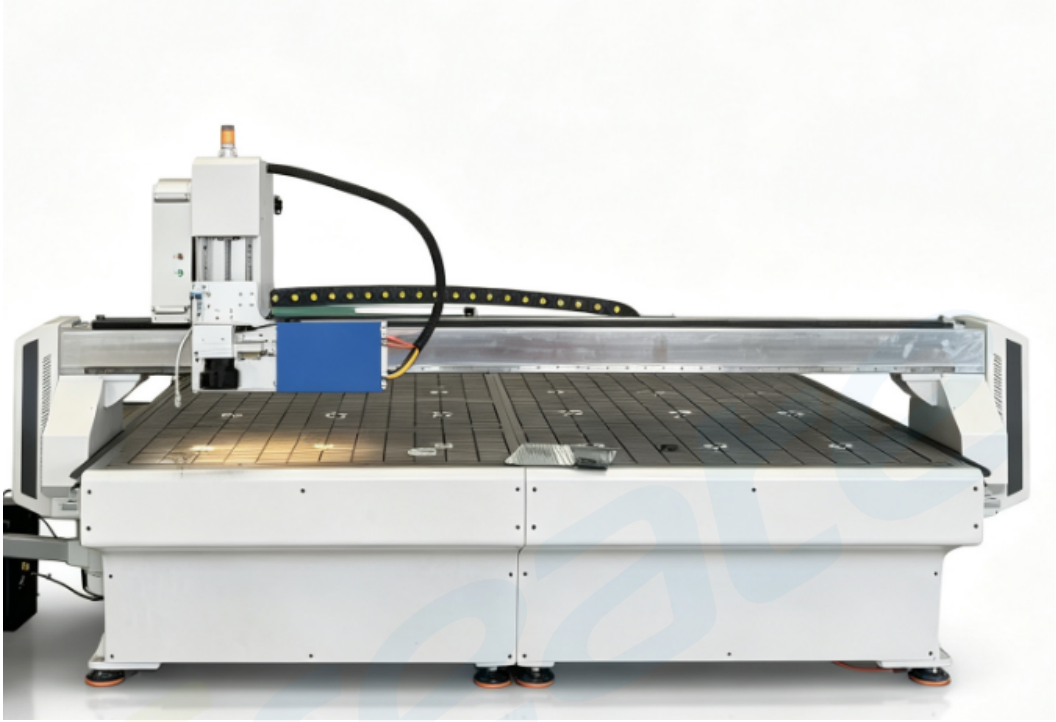
TECHNICAL DESCRIPTION | 2400 x 3600 mm

C2436 Laser Sandblasting, Film Removal & Drilling Machine

Large-format standard platform for glass deep processing: sandblasting, paint and coating removal, and drilling on one machine.



Item	Value	Item	Value
Model	C2436-140W	Working area	2400 x 3600 mm, glass up to 50 mm
Laser	140 W MOPA fiber laser (MOKE customized)	Laser lifetime	Approx. 80,000 h (theoretical)
Hole edge chipping	< 400 µm; small holes < 300 µm	Engraving speed	Up to 12,000 mm/s
Footprint	4300 x 3250 x 1670 mm	Weight	Approx. 1600 kg

Special sizes can be made to order.

01 Applications and functions

The C2436 is a large-format laser machine for glass deep processing. It works on smart mirrors, art glass, decorative glass, home appliance glass, sliding door glass, deep-carved glass and vacuum glass. It can also engrave stone and mark stainless steel, anodized aluminium, copper and other alloys.

- **Laser sandblasting** on glass and mirrors, including special shapes
- **Paint stripping and film removal** on mirrors, coated glass and home appliance glass
- **Drilling**: special-shaped holes, taper holes and step holes

Process quality: fine and even texture, consistent color, no visible marks at corners and joints, smooth contours on special shapes. Hole edge chipping < 400 µm; small holes < 300 µm.

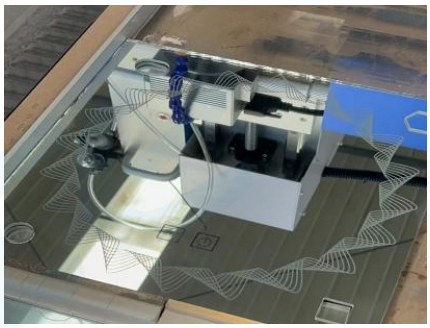
Sample work



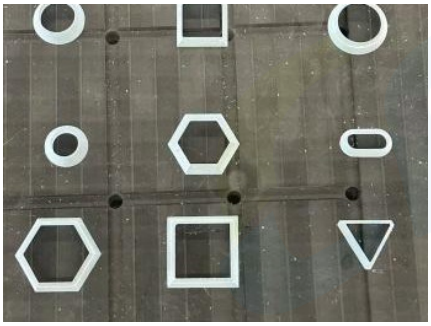
Decorative sandblasting on glass



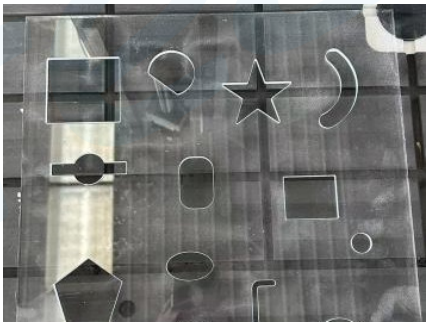
LED and smart mirrors



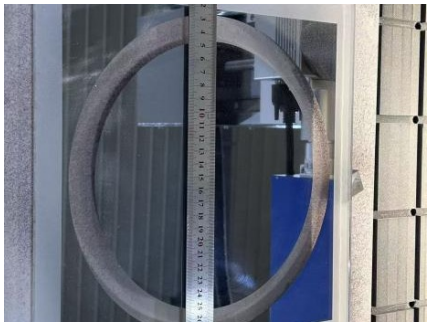
Sandblasting pattern on glass



Special-shaped holes



Holes and cut-outs



Large round cut-out in a mirror

02 Technical data

Item	Value
Machine model	C2436-140W
Working mode	Fiber laser
Working area	2400 x 3600 x 50 mm
Laser	MOPA high peak fiber laser, 140 W (MOKE customized)
Laser lifetime (theoretical)	Approx. 80,000 hours
Wavelength	1055 to 1070 nm
Mechanical repeatability	≤ ± 0.25 mm
Engraving speed	Up to 12,000 mm/s
Worktable	High-flatness PVC worktable; automatic lifting Z axis with large stroke for different glass thicknesses
Control system	Syntec 730SA-PLUS laser controller (Taiwan)
Smoke and dust extraction	Bag-type dust collector
Total power	4.5 kW
Power supply	AC 190 to 240 V, 50/60 Hz
Cooling water	Purified water
Environment	+5 to 35 °C; relative humidity 30 to 60 %
Footprint / weight	4300 x 3250 x 1670 mm / approx. 1600 kg

03 Main components

Part	Brand / type	Note
Laser source	140 W MOPA fiber laser, MOKE customized	Lifetime approx. 80,000 h
Galvo scanning head	MOKE customized	About twice as durable as common heads
Field lens	MOKE customized, full-quartz lens set	High durability, suits complex processes
Laser control system	Syntec 730SA-PLUS	Special-shape sandblasting, drilling and film removal
Chiller	Dual-temperature, dual-control	Keeps the laser stable for long working hours
Dust collector	Bag type	Collects smoke and dust during processing

All parts use metric units.

04 Machine advantages

140 W high-power laser

Less power loss and longer lifetime than standard lasers.

Side-mounted Y-axis guides

Double guide rails on both sides run more smoothly and improve stability and engraving accuracy.

5-axis machined table

Machined on 5-axis CNC centres for higher flatness and accuracy than 3-axis machining.

Bus servo drive + Shimpo reducer

Higher precision and better resistance to interference; Japanese Shimpo reducers for smooth, stable motion.

3D galvo optics

More durable than 2D optics, with steadier output power and better beam quality. Industrial design for demanding workshops.

Dual-control chiller

Two independent temperature circuits with their own water temperature, flow and pressure, for continuous daily work.

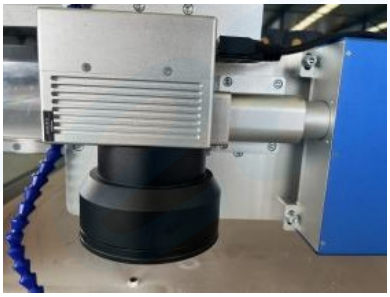
Aluminium alloy beam

More accurate, less deformation and lower load than an iron beam.

Inside the machine



Fiber laser and Z axis



Galvo head with field lens



Side-mounted guide rails



Dual-control chiller



Servo motor with reducer



Aluminium alloy beam

05 How it works

01	Place the glass on the high-flatness PVC worktable and position it.
02	Import the drawing into the Syntec 730SA-PLUS laser control software.
03	Set laser power, engraving speed and other process parameters.
04	The servo system moves the laser head along the drawing path: sandblasting, film removal or drilling.
05	The dust collector runs at the same time and collects smoke and dust.
06	Unload the finished glass and start the next cycle.

06 Installation site

Please do not install or run the machine:

- in places with a lot of dust or oil mist
- where there is frequent vibration or impact
- near flammable or explosive goods
- near high-frequency interference sources
- in humid places where condensation forms easily

07 Installation, training and service

Installation and training

Our engineer installs and commissions the machine in your factory and trains your operators. Air tickets, accommodation and meals for the engineer are paid by the buyer.

Warranty

12 months on the complete machine (consumable parts excluded).

Acceptance

The buyer inspects the machine on site and signs the acceptance before the end of training.

Remote support

Free remote support by video call (WhatsApp or WeChat) for software settings and fault diagnosis.

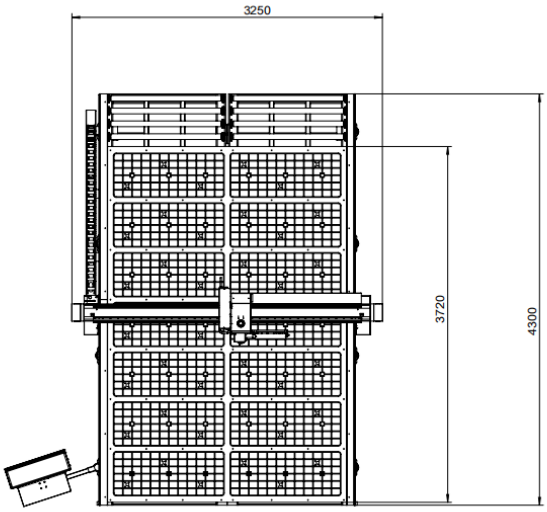
Spare parts

Original spare parts with fast delivery.

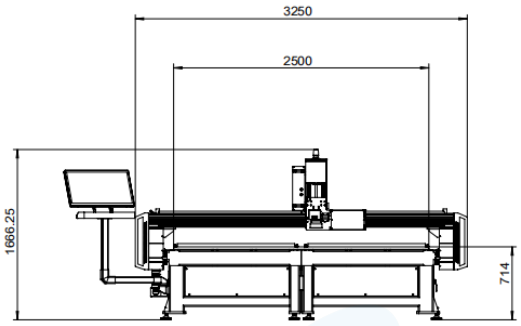
Test samples

Send us your glass or drawing and we make samples before you decide.

08 Layout and packing



Top view



Front view

Overall dimensions: 4300 x 3250 x 1670 mm · **Machine weight**: approx. 1600 kg. All dimensions in mm, subject to the actual machine.



Beam box: 3300 x 970 x 850 mm



Table: 4300 x 1300 x 1430 mm

Packed in two parts and suitable for sea container transport.

www.mokemachine.com