S.A.G. GLASS

Handheld Laser Welding Systems

Welding · Cutting · Rust removal · Pulse — in one machine

Making welding simple



Machinery import · Electrical system repair · After-sales service in Thailand

In cooperation with Guangzhou Mingwei Intelligent Technology Co., Ltd.

ABOUT US

Your laser welding partner in Thailand

S.A.G. GLASS CO., LTD. imports industrial machinery into Thailand and backs every machine with local electrical repair and after-sales service.

We bring proven handheld laser welding systems to Thai fabricators, workshops and factories — with installation support, operator guidance and a service team that is close by when you need it.

Machinery import

Direct import of industrial machines, delivered and set up for Thai sites.

Electrical repair

In-house repair of machine electrical and control systems.

After-sales service

Local support, spare parts and maintenance after purchase.



800–1500 W

laser output range

10 m

output fiber length

24 h

continuous operation

-20 to 40 °C

ready to weld at start-up

Products in this catalogue are manufactured in cooperation with Guangzhou Mingwei Intelligent Technology Co., Ltd. (China). S.A.G. GLASS CO., LTD. is the importer and service partner for Thailand.

SERVICE IN THAILAND

Buy with confidence, supported locally

A machine is only as good as the support behind it. As the Thai importer, we handle the steps that usually slow down an imported machine — and stay with you after it is running.

Import & delivery

We manage import, customs and delivery to your site.

Installation & start-up

Machine set-up, power connection and first-run checks.

Operator training

Hands-on guidance on parameters, safety and daily care.

Electrical system repair

Fault finding and repair of power and control circuits.

Spare parts & consumables

Nozzles, protective lenses and other wear parts.

Thai-language support

Talk to a local team by phone or on site.

Why it matters

Less downtime, faster answers and one local contact for the machine, its electrical system and its parts — from the day it arrives.

WELDING TORCH

A 450 g torch that does four jobs

Mini QBH connector and an all-in-one design: welding, cutting, rust removal and pulse welding from the same handheld torch.



450 g

Torch weight — light and easy to handle all shift

Mini QBH

Compact fiber connector

2 lenses

Dual protective lenses

Twist-lock

Hand-tightened lock — less effort

Design details

Streamlined, ergonomic grip for comfortable one-hand control.

Anti-spatter nozzle: protective lens lasts up to 10× longer than with a standard nozzle.

Flat-hole nozzle design: uses about half the shielding gas of a standard nozzle.

CONTROL & DESIGN

Simple to run, built for hard work



Minimal UI, easy operation

- 7-inch industrial touchscreen with a clean interface
- Power on and weld — no complicated set-up
- Pre-stored process parameters, switch with one touch



Lightweight and tough

- Lighter and easier to move between jobs
- Works in cold and hot conditions
- Zero warm-up — ready when you switch on
- Excellent heat dissipation for 24-hour non-stop operation

AIR-COOLED SERIES

800 W air-cooled laser welder



800 W

rated laser output

Key features

- Ready to weld at -20 to 40 ℃ — no waiting
- Lightweight, compact and easy to move
- Energy-efficient with intelligent thermal management — lower running cost
- Runs 24 hours continuously for heavy-duty work

Specifications

Rated output power	800 W
Output fiber length	10 m
Welding thickness	Stainless / carbon steel 2.5 mm · Aluminum alloy 2 mm
Cooling	Air-cooled
Voltage	220 V, 50/60 Hz
Dimensions (mm)	550 × 215 × 500
Weight	28 kg
Max. power consumption	≤ 2,500 W
Functions	Welding · Cutting · Rust removal · Pulse

AIR-COOLED SERIES

1200 W air-cooled laser welder



1200 W

rated laser output

Key features

- Ready to weld at -20 to 40 ℃ — no waiting
- Lightweight, compact and easy to move
- Energy-efficient with intelligent thermal management — lower running cost
- Runs 24 hours continuously for heavy-duty work

Specifications

Rated output power	1,200 W
Output fiber length	10 m
Welding thickness	Stainless / carbon steel 4 mm · Aluminum alloy 3 mm
Cooling	Air-cooled
Voltage	220 V, 50/60 Hz
Dimensions (mm)	550 × 215 × 500
Weight	35 kg
Max. power consumption	≤ 3,500 W
Functions	Welding · Cutting · Rust removal · Pulse

AIR-COOLED SERIES

1500 W air-cooled laser welder



1500 W

rated laser output

Key features

- Ready to weld at -20 to 40 ℃ — no waiting
- Lightweight, compact and easy to move
- Energy-efficient with intelligent thermal management — lower running cost
- Runs 24 hours continuously for heavy-duty work

Specifications

Rated output power	1,500 W
Output fiber length	10 m
Welding thickness	Stainless / carbon steel 5 mm · Aluminum alloy 4 mm
Cooling	Air-cooled
Voltage	220 V, 50/60 Hz
Dimensions (mm)	600 × 215 × 500
Weight	39 kg
Max. power consumption	≤ 4,000 W
Functions	Welding · Cutting · Rust removal · Pulse

WATER-COOLED SERIES

1200 / 1500 W water-cooled welder



1200 / 1500 W

rated laser output

Key features

- One-pass finished welds — no secondary grinding
- Low distortion and a small heat-affected zone
- Constant-temperature cooling for long running hours
- Runs 24 hours continuously for heavy-duty work
- 10 m fiber for long-reach welding

Specifications

Rated output power	1,200 W / 1,500 W
Output fiber length	10 m
Welding thickness	Stainless / carbon steel 4 or 5 mm · Aluminum alloy 3 or 4 mm
Cooling	Water-cooled
Voltage	220 V, 50/60 Hz
Dimensions (mm)	650 × 400 × 600
Weight	65 kg
Max. power consumption	≤ 4,500 W
Functions	Welding · Cutting · Rust removal · Pulse

ACCESSORY

Laser welding wire feeder

Adds filler wire for wider gaps and stronger seams. Choose the lightweight model for mobility or the fully enclosed model for protected, clean operation.



Lightweight type



Fully enclosed type

Key features

- Produces an even "fish-scale" weld pattern
- Uniform weld bead with no wire jamming
- Supports both pulse and continuous wire feeding

Specification	Lightweight type	Fully enclosed type
Connector	2-pin aviation plug	2-pin aviation plug
Wire diameter	0.8–1.6 mm	0.8–1.6 mm
Max. spool weight	20 kg	20 kg
Wire feed speed	0–40 mm/s	0–40 mm/s
Weight *	4 kg	8 kg
Dimensions (mm) *	450 × 250 × 310	560 × 250 × 400

** To be confirmed with the manufacturer.*

MODEL OVERVIEW

Choose the right power for your work



800 W



1200 W



1500 W



1200/1500 W

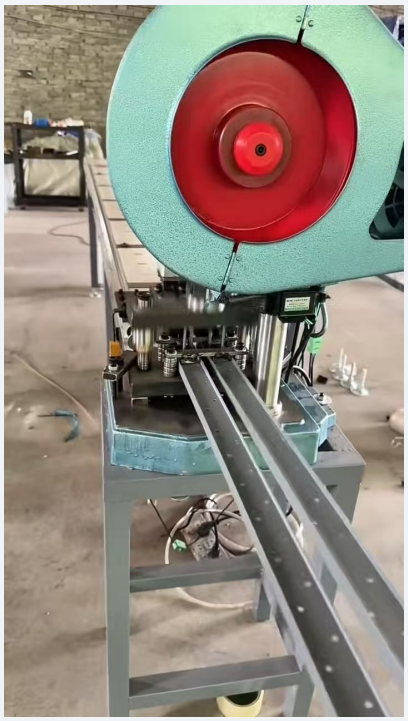
	Air 800 W	Air 1200 W	Air 1500 W	Water-cooled
Cooling	Air	Air	Air	Water
Rated output	800 W	1,200 W	1,500 W	1,200 / 1,500 W
Steel thickness *	2.5 mm	4 mm	5 mm	4 / 5 mm
Aluminum thickness	2 mm	3 mm	4 mm	3 / 4 mm
Fiber length	10 m	10 m	10 m	10 m
Voltage	220 V	220 V	220 V	220 V
Dimensions (mm)	550×215×500	550×215×500	600×215×500	650×400×600
Weight	28 kg	35 kg	39 kg	65 kg
Max. power use	≤ 2,500 W	≤ 3,500 W	≤ 4,000 W	≤ 4,500 W

* Stainless steel and carbon steel. All models: welding, cutting, rust removal and pulse functions; 50/60 Hz. Specifications may change without notice.

Not sure which model fits? Send us your material, thickness and daily workload — our team will recommend the right machine and arrange a demonstration.

ALSO AVAILABLE

CNC positioning rack



Positioning rack on a punching line



Accurately positioned holes

±0.1 mm
CNC positioning error

0.3–3.1 m
effective travel

180
stored data sets

A single-unit CNC positioning rack that moves a servo-driven stop along a precision rack to the programmed length. Use it with punching, cutting and other profile processing machines for fast, repeatable positioning.

Specification	
Frame length	3 m; effective travel 0.3–3.1 m
Frame structure	40 × 60 × 2.5 mm square steel tube
Frame width	0.33 m
Drive	3 m guide rail; 850 W closed-loop motor; module 2.0 ground high-precision rack and pinion
Control	7-inch PLC integrated programmable touchscreen
CNC positioning error	±0.01 cm (±0.1 mm)
Data storage	Up to 180 data sets in linkage mode
Finish	Electrostatic powder coating
Rack height	700 mm or 850 mm

S.A.G. GLASS

S A G GLASS COMPANY LIMITED
บริษัท เอส เอ จี กลาส จำกัด

Machinery import · Electrical system repair · After-sales service

Your sales contact

Name _____

Tel _____

LINE / Email _____

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