

# AGS-F302

**NEW**

## Galvano Scanner System



### Maximizing the Performance of Fiber Laser Welder!

\*Dedicated Galvano Scanner System for Avio's fiber laser welder LW-F300

## High-speed Scan, Wide Welding Range (150 mm square)

By combining the Galvano Scanner System with Avio' air-cooled single-mode fiber laser welder LW-F300, optimum welding can be provided for various types of works.

#### High Speed Welding

- High speed 2,000 mm/sec scanning of the laser beam, which is continuously emitted from the fiber laser welder (CW)

#### High Quality

- Little thermal strain and thermal damage to neighboring parts by scanning the welding point at high speed
- By combining thin and deep penetration of a single mode fiber laser with horizontal operations of Galvano Scanner, such as Spiral or Circular (moving horizontally while drawing), wide bead welding becomes available and the strength of the welded point increases.

#### High Precision

- Digital control prevents drift (displacement) caused by changes in the temperature.
- Positioning with high productivity and stable welding can be achieved.

#### Welding Various Types of Works

- Long work-distance (374 mm) and wide welding area (150 mm square)
- Software dedicated to welding is attached to make optimum welding available.



**Galvano Scanner System**  
AGS-F302

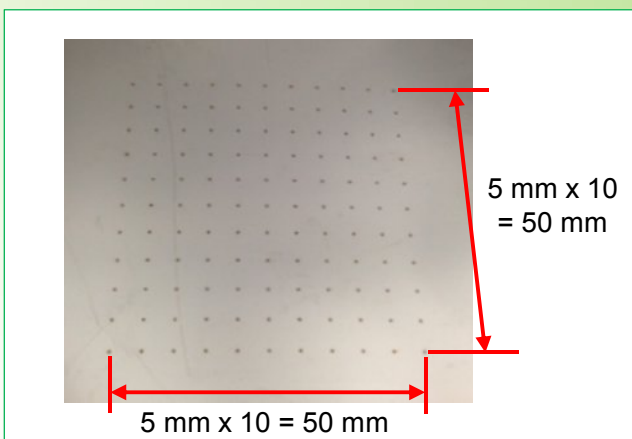


**Single Mode Fiber Laser Welder**  
LW-F300

\*The stand and the work-stage are not included in this system.

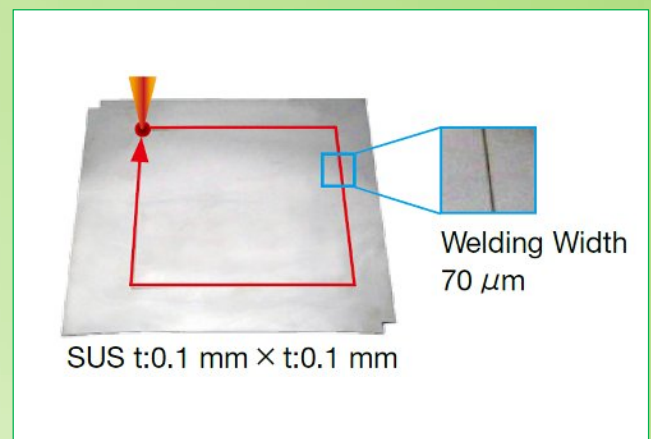
### High Speed Welding

Welding Time : Approx. 1.3 sec (121 shot)



### Wide Welding Area

150 mm square



# AGS-F302 Galvano Scanner System

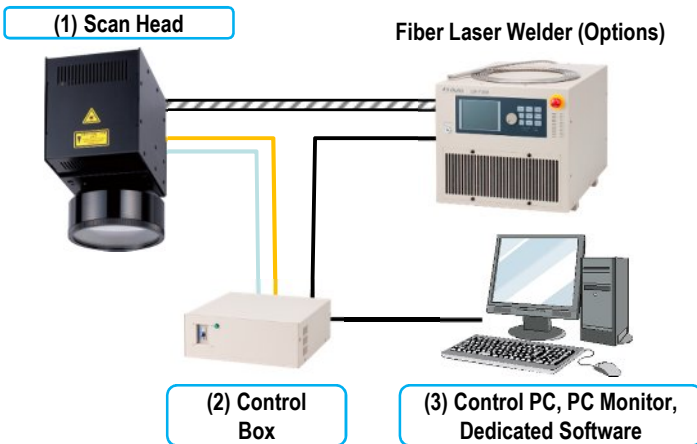


## Applications

- Information equipment (Smartphone, Tablet PC)
- Electronic components
- Automotive electrical equipment
- Medical equipment components
- Energy fields (Secondary cell, Fuel cell)

## System Configuration

- (1) Scan Head
- (2) Control Box
- (3) Control PC, PC Monitor, Dedicated Software



Items	AGS-F302
System Configuration (*1)	Scan Head (*2), Control Box, Control PC, PC Monitor, Dedicated Software
Scan Area	150 x 150 mm
Max Scan Speed	2000 mm/sec
Work Distance	374 mm
Control Method	Digital Control
Welding Mode	Spot Welding Mode, CW Welding Mode, Seam Welding Mode
Applicable Laser Model	Single Mode Fiber Laser Welder LW-F300 Design Wavelength: 1070 nm Permission Laser Power: Max CW 300 W
Cooling Method	Air
Power Source	AC100 - 240 V $\pm$ 10%, 50/60 Hz
Operating Range of Temperature and Humidity	Temperature: 0 - 40 ° C Humidity: 80% or Less (No Condensation) (*3)
Max Power Consumption	180 W or Less (*3)
Dimension / Weight	Scan Head: W138 x D200 x H240 mm 7.3 kg (Not Including Cables) Control Box : W300 x D310 x H123 mm 7 kg (*3)

\*1: The stand and the work-stage are not included in this system.

\*2: Including f $\theta$  lens

\*3: Not including control PC and PC monitor

## Lineup of Fiber Laser Welder



**1kW Single Mode  
Fiber Laser Welder**  
LW-F1000



**Galvano Scanner System  
for LW-F1000**  
AGS-F301

\*The stand and the work-stage are not included in this system.



BEFORE OPERATION, read the Operation Manual carefully. This unit should be located away from water, moisture, steam, dust and soot to prevent fire, electrical shock, and operational problems.

**Requests for Sample Testing are Welcomed.  
Please Contact Us.**

\*The appearance and specifications are subject to change without notice.

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