



All-around Fiber Laser Machine



# BREVIS 1212 AJ



**3kW**

**FL**  
**FIBER LASER**



# A compact fiber laser machine like never before

BREVIS is an all-around fiber laser machine that meets customer needs for cutting thin-to-thick materials.

It's a user-friendly machine that is compact and equipped with the latest features and can be used easily regardless of operator's experience.



All-around Fiber Laser Machine

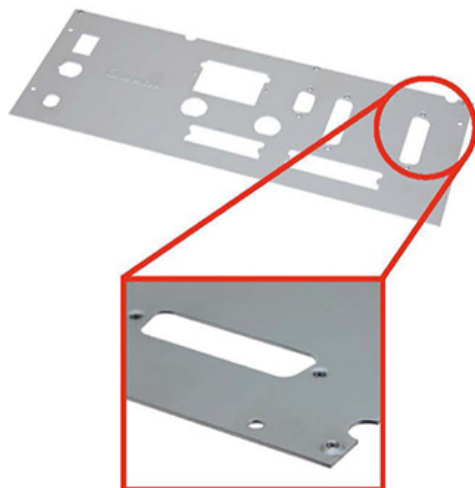
## BREVIS 1212 AJ

3kW

BREVIS means "small" in Latin.

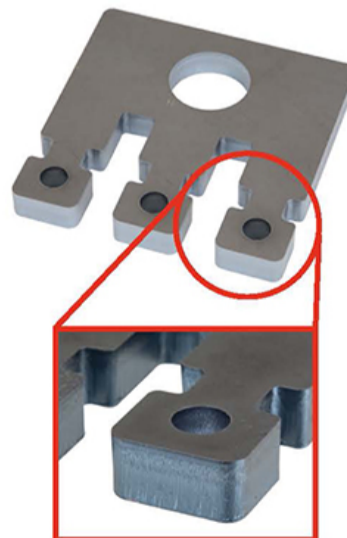
### Sample

Material type / thickness : SECC 1.0mm  
Size : 280 × 108mm  
Cutting speed : F27000



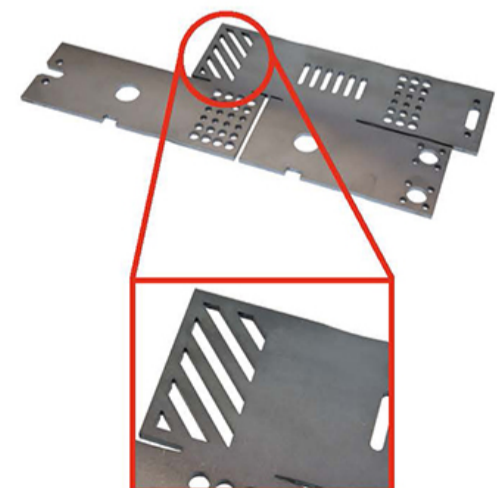
Thin plate, high speed combination processing  
\* OVS-D (option) is used

Material type / thickness : SS400 12.0mm  
Size : 100 × 100mm  
Cutting speed : F1100



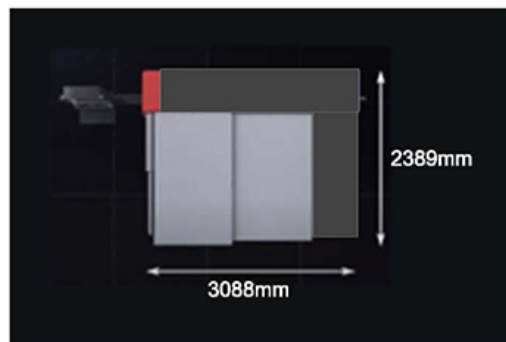
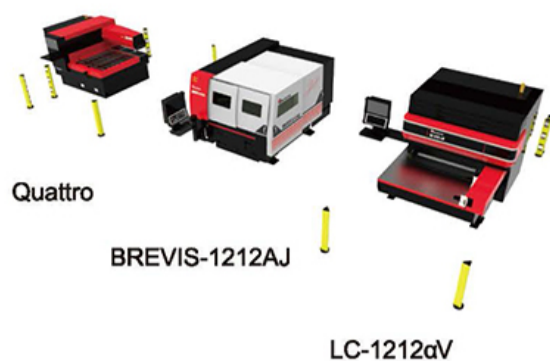
Mild steel, thick plate stable processing

Material type / thickness : SPHC 4.5mm  
Size : 362 × 142mm  
Cutting speed : F3400



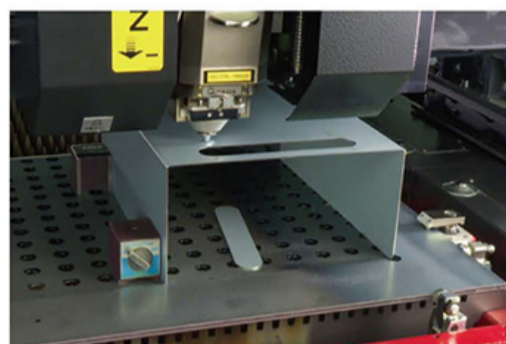
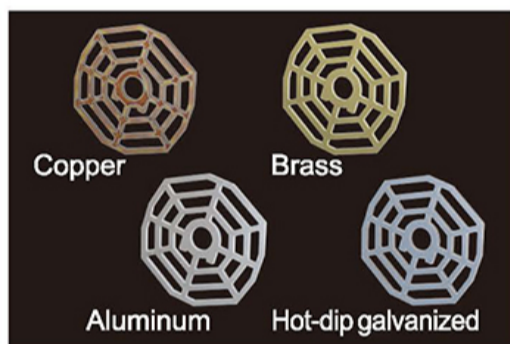
High speed cutting of mild steel,  
medium-thick plate

## ■ Compact



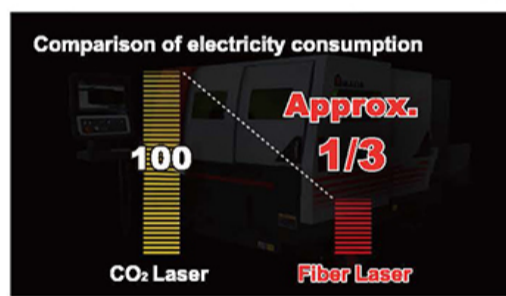
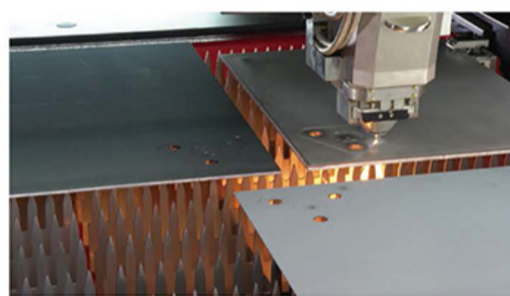
The long-awaited compact size fiber lasers are now available!  
A versatile 4' x 4' size fiber laser machine achieves the same installation space as the LC-1212α series.

## ■ All-around



BREVIS can process highly reflective materials such as copper, brass, aluminum and hot-dip galvanized, which are difficult to process with a CO<sub>2</sub> laser. Equipped with a 3kW fiber laser oscillator, it can provide a wide range cutting of thin-to-thick materials. In addition, additional processing on 3D objects can be easily processed.

## ■ User friendly



- ① AMNC 3i  
Equipped with AMNC 3i that can be used like a smartphone, it fully supports customers.
- ② Fully open partition  
By adopting a fully open partition, both danger prevention and excellent material access are achieved.
- ③ One-lens operation  
The entire material range can be processed with a single lens.
- ④ Energy Saving  
Equipped with a fiber laser oscillator, it greatly contributes to the reduction of running costs.

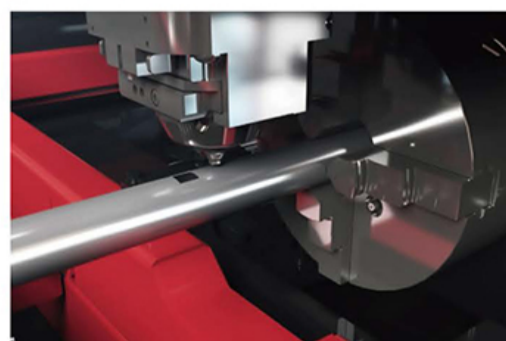
## ■ Option

### i-CAS



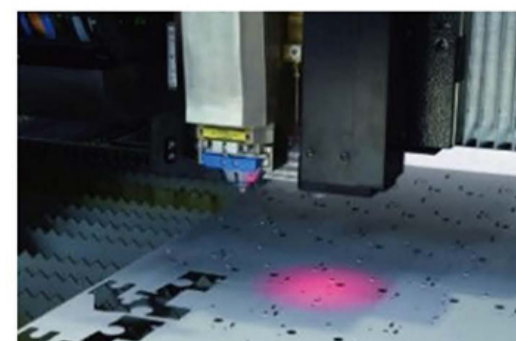
Camera based on-screen nesting and positioning is available.

### Chuck Index



Equipped with a chuck index, it's possible to process not only flat plates but also tubes.

### OVS-D

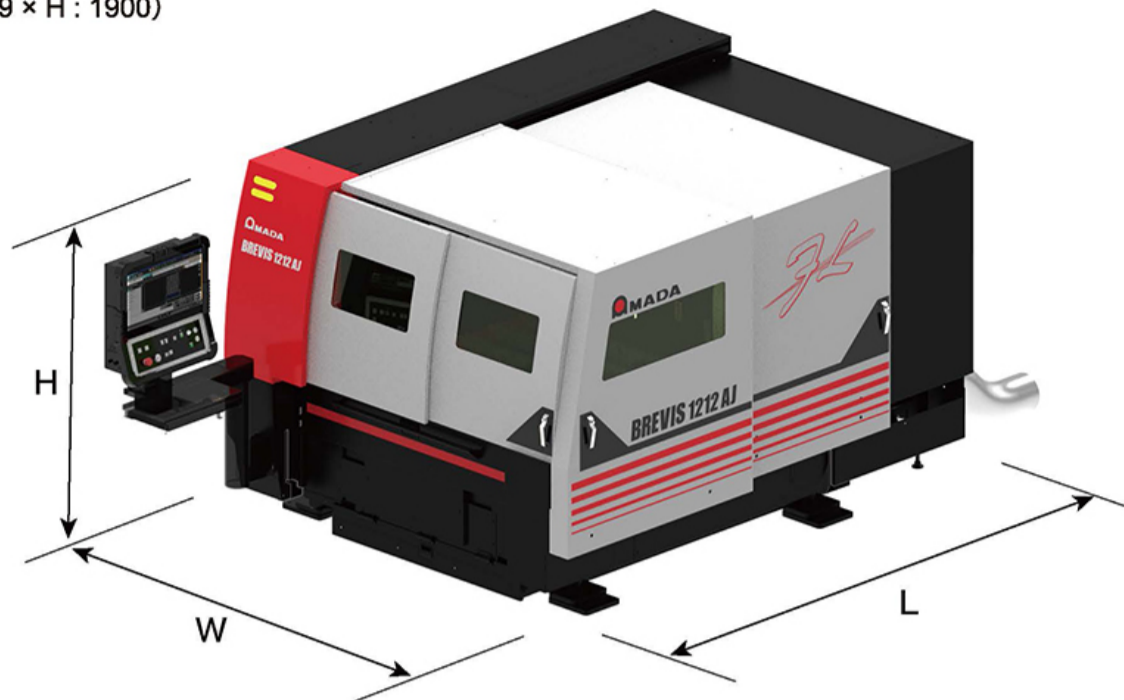


The hole position processed by punching machines is measured and the origin position is corrected, enabling combined processing.

## ■ Dimensions

Unit: mm

■ BREVIS-1212AJ  
(L : 3088 × W : 2389 × H : 1900)



## ■ Machine specification

Machine model		BREVIS-1212AJ	
Registered machine name		BRE1212AJ	
Max. axis travel	X×Y×Z	mm	1270×1270×200
Max. sheet size	X×Y	mm	1270×1270
Rapid feed rate	X/Y/Z	m/min	40/40/60
Max. material weight		kg	150
NC model		AMNC 3i	
Control method		X, Y and Z-axes (Simultaneous 3 axes control) + B, CF-axes	
Min. setting unit		mm	0.001
Oscillator	Oscillator method		Laser diode-pumped fiber laser
	Rated laser power	W	3000
Machine weight (Main body only)		kg	4800
Power requirement (Chiller, dust collector included)		kVA	25

- \* Specifications, appearance, and equipment are subject to change without notice.
- \* Please use the registered model name for applications related to the administration of the machine or device described in this catalog (installation notification, export, financing, etc.).
- \* The hyphenated spellings like BREVIS-1212AJ are used in some parts of this catalog for the sake of readability. This also applies to other machines.
- \* The specifications described in this catalog are for the Japanese domestic market.



**For your safe use, be sure to read the operator's manual carefully before use.**

- When using this product, precautions are necessary to avoid unsafe operation. For more information about safety guidelines, please see product introduction at AMADA's website ([www.amada.co.jp](http://www.amada.co.jp))



**This laser product uses a class 4 invisible laser for processing and a class 3R visible laser for positioning.**

- Class 4 invisible laser: Avoid eye or skin exposure to direct or scattered radiation. Never look into the radiation nor touch it.
- Class 3R visible laser: Avoid direct eye exposure.

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inquiry



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