



# SOLUTION

## **BREVIS 1212 AJ**

A COMPACT FIBER LASER MACHINE  
LIKE NEVER BEFORE



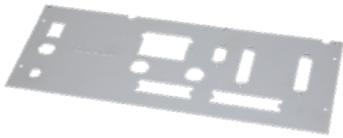
# BREVIS 1212 AJ

## A COMPACT FIBER LASER MACHINE LIKE NEVER BEFORE

### ALL-AROUND FIBER LASER MACHINE

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.

### SAMPLES



Material type / thickness : SECC 1.0mm  
Size : 280 × 108mm  
Cutting speed : F27000  
Thin plate, high speed combination processing \* OVS-D (option) is used



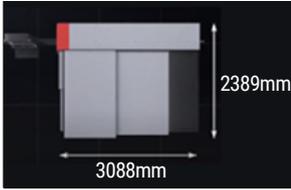
Material type / thickness : SS400 12.0mm  
Size : 100 × 100mm  
Cutting speed : F1100  
Mild steel, thick plate stable processing



Material type / thickness : SPHC 4.5mm  
Size : 362 × 142mm  
Cutting speed : F3400  
High speed cutting of mild steel, medium-thick plate

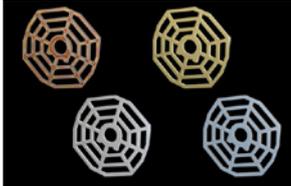


## STANDARD EQUIPMENT AND FUNCTIONS



### Compact

The long-awaited compact size fiber lasers are now available. A versatile 4' x 4' size fiber laser machine.



### 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.



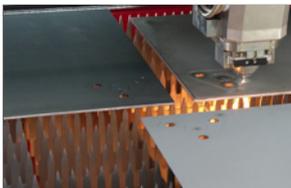
### AMNC 3i

Equipped with AMNC 3i that can be used like a smartphone, it fully supports customers.



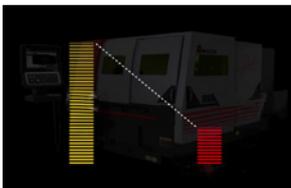
### Fully open partition

By adopting a fully open partition, both danger prevention and excellent material access are achieved.



### One-lens operation

The entire material range can be processed with a single lens.



### Energy Saving

Equipped with a fiber laser oscillator, it greatly contributes to the reduction of running costs.

## COMPLEMENTARY EQUIPMENT



### i-CAS

Camera based on-screen nesting and positioning is available.



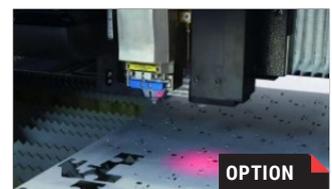
### 1250 x 2500 mm size

Although the processing dimensions are 1250 x 1250, it is possible to load 1250 x 2500 size material



### Pipe 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.

Unit: mm

**DIMENSIONS****BREVIS-1212AJ**

(L) 3088 x (W) 2389 x (H) 1900

**MACHINE SPECIFICATIONS**

			BREVIS-1212AJ
Numerical Control			AMNC 3i
Axis travel distance	X x Y x Z	mm	1270 x 1270 x 200
Maximum processing dimensions	X x Y	mm	1270 x 1270
Rapid feed rate	X / Y / Z	m/min	40 / 40 / 60
Maximum material mass		kg	150
Machine mass		kg	4800

**OSCILLATOR SPECIFICATIONS**

Beam generation		Laser diode-pumped fibre laser
Maximum power	W	3000

**CUTTING CAPACITIES**

Mild steel	mm	12
Stainless steel		12
Aluminium		12
Brass		8
Copper		6

Specifications, appearance, and equipment are subject to change without notice by reason of improvement.



For your safe use  
Be sure to read the user manual carefully before use.  
When using this product, appropriate personal protection equipment must be used.



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.

The official model name of the machines and units described in this catalogue are non-hyphenated like BRE1212AJ. Use this registered model name when you contact the authorities for applying for installation, exporting, or financing.

The hyphenated spellings like BREVIS-1212AJ are used in some portions of the catalogue for sake of readability. This also applies to other machines.

Hazard prevention measures are removed in the photos used in this catalogue.

**AMADA UK LTD.**

Spennells Valley Road,  
Kidderminster,  
Worcestershire DY10 1XS  
United Kingdom  
Tel: +44 (0)1562 749500  
Fax: +44 (0)1562 749510  
www.amada.co.uk

**AMADA SA**

Paris Nord II  
96, avenue de la Pyramide  
93290 Tremblay en France  
France  
Tél : +33 (0)149903000  
Fax : +33 (0)149903199  
www.amada.fr

**AMADA GmbH**

AMADA Allee 1  
42781 Haan  
Germany  
Tel: +49 (0)2104 2126-0  
Fax: +49 (0)2104 2126-999  
www.amada.de

**AMADA ITALIA S.r.l.**

Via AMADA I., 1/3  
29010 Pontenure  
(Piacenza)  
Italy  
Tel: +39 0523-872111  
Fax: +39 0523-872101  
www.amada.it

