All-around Fiber Laser Machine

BREVIS 1212 AJ

V-factory
AMADA DIGITAL INNOVATION

AMADA

BREVIS 1212 AJ

3kW

FL
FIBER LASER

AMADA®

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.

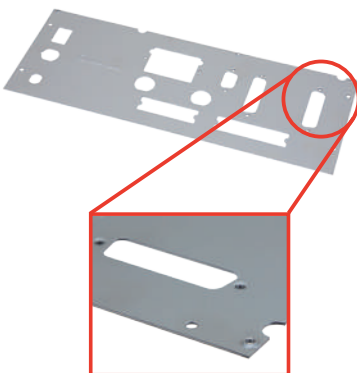## All-around Fiber Laser Machine

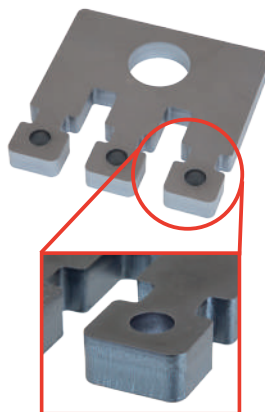# BREVIS 1212 AJ   3kW

BREVIS means "small" in Latin.

■ Sample

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

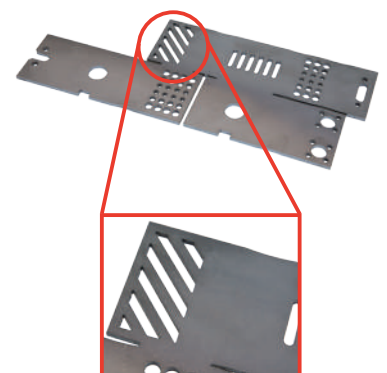Thin plate, high speed combination processing
* OVS-D (option) is used

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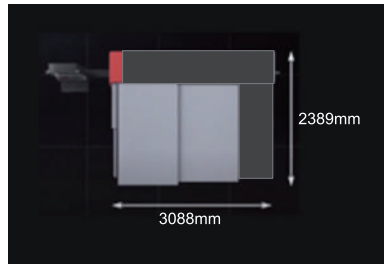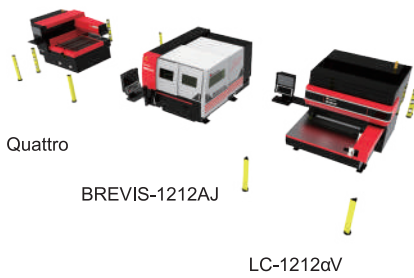

Mild steel, thick plate stable processing

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

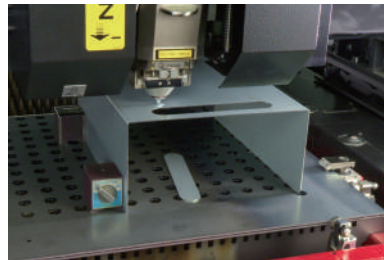High speed cutting of mild steel, medium-thick plate
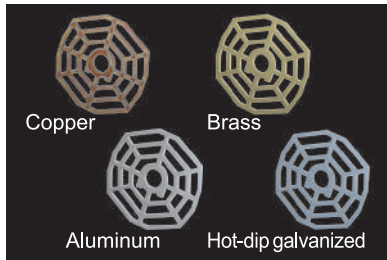
■ Compact

Quattro

BREVIS-1212AJ

LC-1212αV

2389mm

3088mm

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

■ All-around

Copper

Brass

Aluminum

Hot-dip galvanized

BREVIS can process highly reflective materials such as copper, brass, aluminum and hot-dip galvanized, which are difficult to process with a CO_2 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.
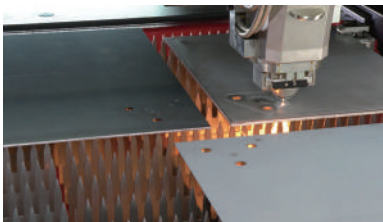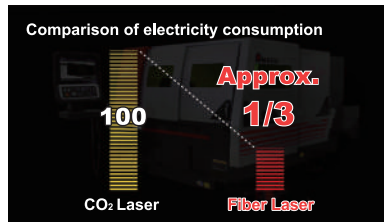
■ User friendly

❶

❷

❸

Comparison of electricity consumption

Approx.
1/3

100

CO_2 Laser   Fiber Laser

❹

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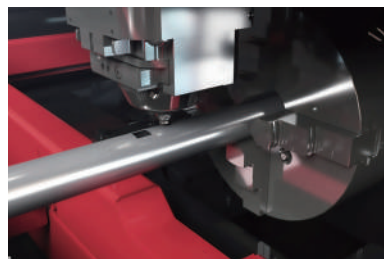Equipped with a fiber laser oscillator, it greatly contributes to the reduction of running costs.
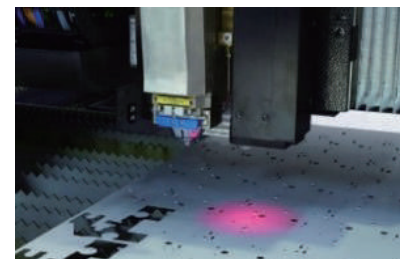
■ Option

▌i-CAS

Camera based on-screen nesting and positioning is available.

▌Chuck Index

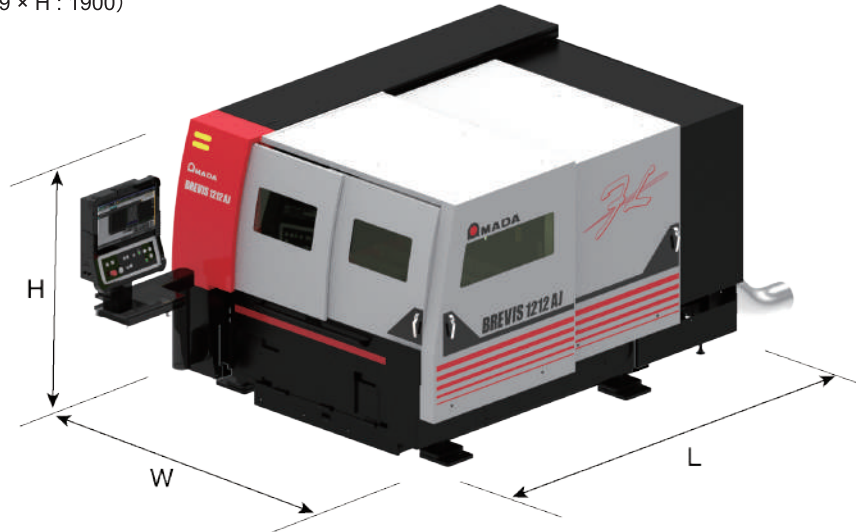Equipped with a chuck index, it's possible to process not only flat plates but also tubes.

▌OVS-D

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

▌ 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)

⚠ 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.