

Amada Ensisi 3015 AJ 6kW + MPFLEXit 3015

Year 4/2021

Machine hours: about 14.000 / 3.000 h (Power on / Beam on)



Technical Data:

Working range: 3070 mm x 1550 mm

Table loading weight: 920 kg

Positioning speed: 170 m/min

Laser principle: Flying optic

Machine weight: 9.500 kg

Oscillator:

Laser source: laser diode-pumped fiber laser

Type: AJ-9000

Laser power: 9000 Watt

Laser wave length: 1,08 μm

Stability: +/- 2%

Pulse frequency: 1 – 10.000 Hz

Duty range: 1-100%

Control:

Type: AMNC-3i

Screen: 21,5" touchscreen

Operating system: Windows 7

Equipment:

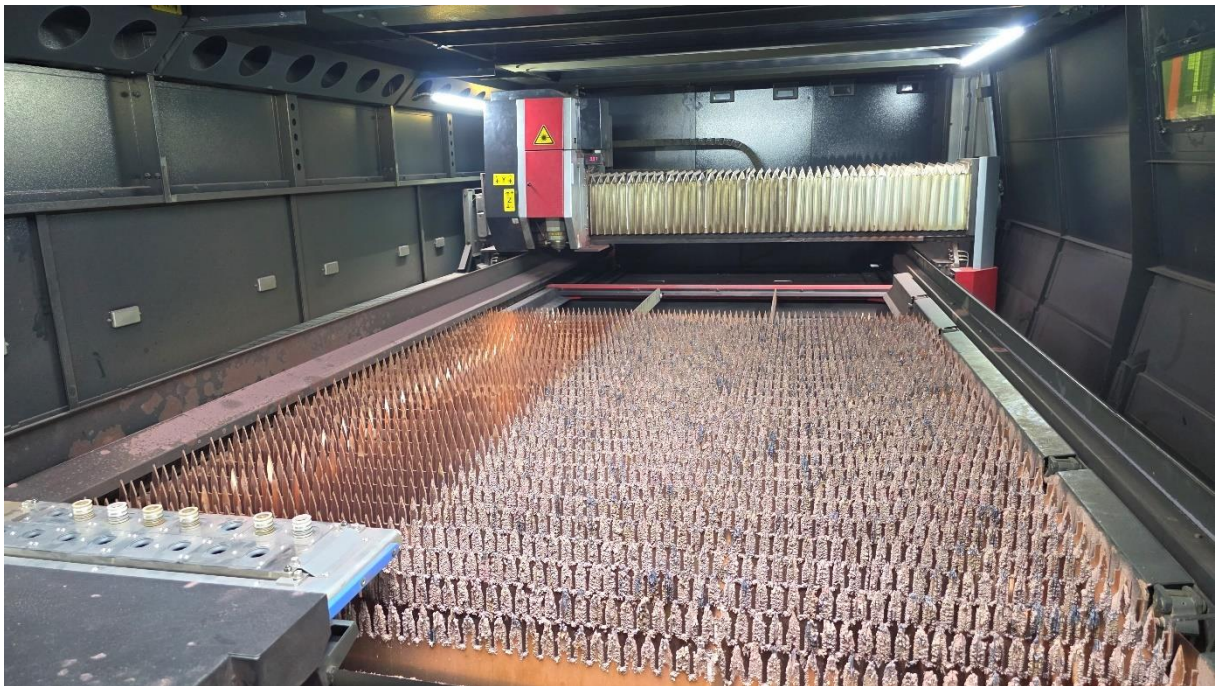
NC-focus control
Oil spraying function
Sensor cutting head
Diode for positioning
Cutting process monitoring
Safety device
Nozzle changer
Conveyor belt
WACS

Peripheral devices:

Transformator
Cooling unit
Dust collector

Max. material thickness:

Mild steel:	25 mm
Stainless steel:	25 mm
Aluminium:	25 mm
Brass:	18 mm
Copper:	12 mm



Amada MPFLEXit 3015:



Technical data loading/unloading unit:

Numbers of cutting pallets: 2 pieces

Min. sheet size: 2000 x 1000 mm

Max. sheet size: 3050 x 1525 mm

Sheet thickness: 0.8 – 25 mm

Max. sheet weight: 920 kg

Cycle time: 69 s

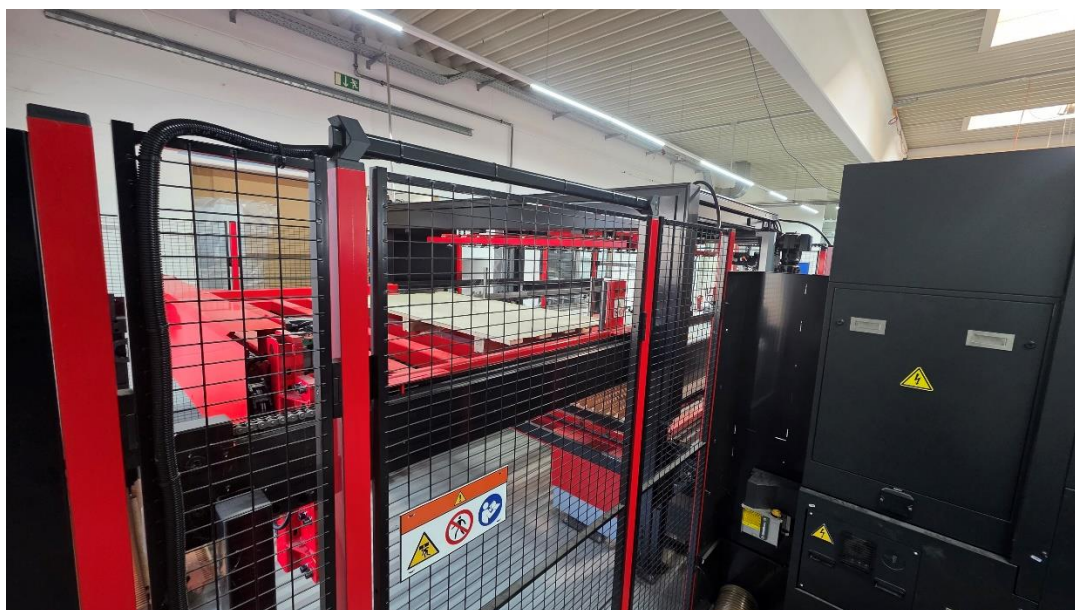
Type of fork unload: single fork unload with roller chains

Raw material stack height: 400 mm

Unloading stack height: 300 mm

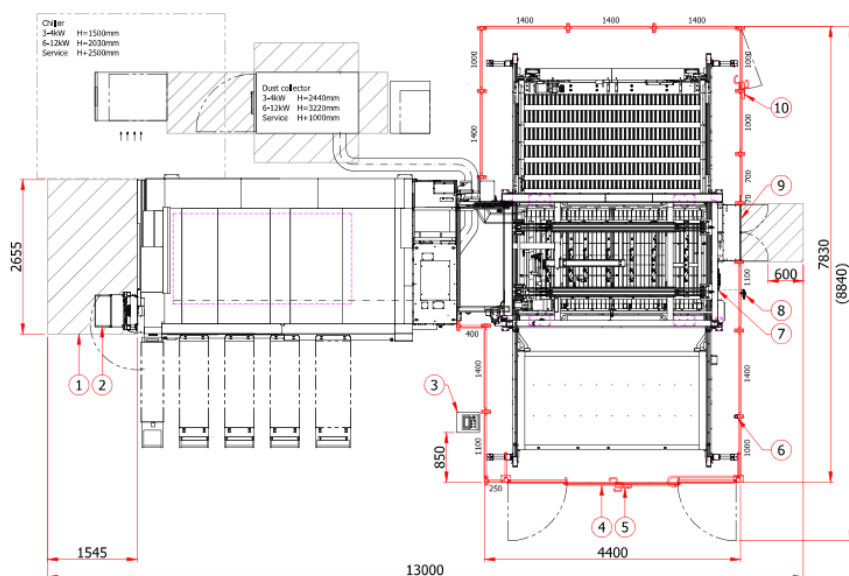
Min. part size: 180 x180 mm

Machine total height: 2650 mm





OPTIONAL EQUIPMENT FOR MACHINE MODEL	
right	840 - 940mm
size	2700mm x 1000mm for installation
size	3050 x 1525mm
size	2000 x 1200mm
for info panel	180 x 180mm
mass	1/8 - 25,2mm ¹⁾
weight	920kg
lets	2pcs ¹⁾
	1pcs for RM, 400mm or 300kg
	1pcs for UL, 300mm or 300kg
sp. nest sheet	60%
jet mech. time	35s
input station	Optional ¹⁾
to laser specifications to collect if several output stations included chronology	



ENSIS / VENTIS / LCG3015AJ

MP-F 3015

user maintenance area
user operator panel
IP-F operator panel, fixed to floor
inged sliding door, $W_{max}=4000mm$
safety switch, request for entrance
signal lamp, buzzer
ir supply; 6bar, 1000l/min
external air cut-off valve
ower supply; 3x400VAC+N+PE / 25A
afety switch, request for entrance with integrated emergency stop button

TAILED INSTALLATION INSTRUCTIONS, PLEASE REFER TO THE INSTALLATION MANUAL.
TAILED TECHNICAL SPECIFICATIONS, PLEASE REFER TO THE USER MANUAL.

Machines s/n prior to #4516, please refer to A11438 revision 2

AMADA		Description		Page		Size		Drawn by		Modified by		Approved by	
AMADA AUTOMATION EUROPE LTD.		Automation layout ENSIS / VENTIS / LCG 3015 AJ + MP-F 3015		1(1)		A3		JaB		JaB			
		Customer						Drawn date		Modified date		Approved date	
								22.02.19		17.02.21			
		Product						Scale		Drawing no		Revision	
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