

Amada Ensis 3015 AJ 6kW + ASLUL 3015

Year 4/2019

Machine hours: about 39.000h / 26.000h / 15.000 h



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



Storage system ASLUL 3015:



Technical data:

Number of pallets: 8

Cutting pallets: 2

Max. weight of cutting pallets: 710 kg

Number of raw material pallets: 3

Max. weight of raw material pallets: 3000 kg

Max. stack height of raw material pallets: 150 mm

Number of unloading pallets: 3

Max. weight of unloading pallets: 3000 kg

Max. stack height of unloading pallets: 220 mm

Raw sheet dimensions min. / max.: 2000 x 1000 / 3000x 1500 mm

Min. part dimensions: 225 x 180 mm

Sheet thickness: 0,8 – 25,0 mm (for automatic mode 20,0 mm)

Max. sheet weight loading: 920 kg

Cycle time: 2 min 30 s

Time for pallet exchange: 55 s

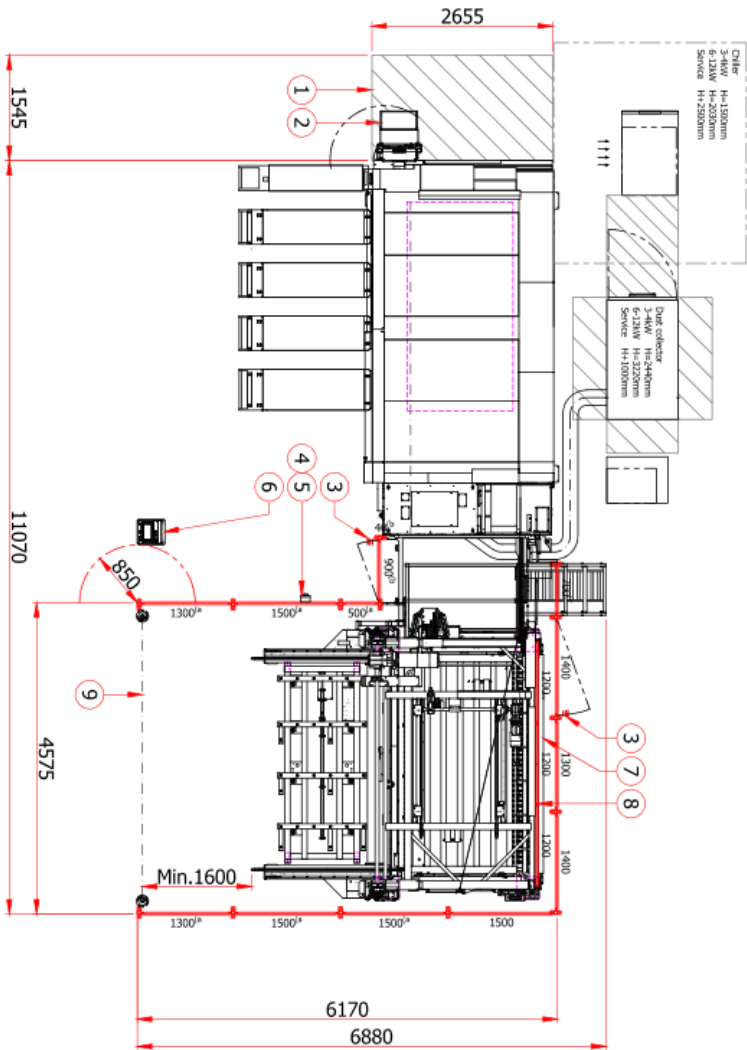
Double sheet detection: yes, with sheet thickness measuring device

Air consumption: 1000 l/min, 6 bar

Electric connection: 400 V

Specification AS LUL 3015	
Passive ⁽¹⁾	940mm - 1040mm
Machine height ⁽²⁾	5230mm
Sheet size max	3050 x 1525mm
Sheet size min	2800 x 1400mm
Sheet thickness	0.8 - 20.0mm ⁽³⁾
Sheet weight max	710kg ⁽⁴⁾ / 920kg ⁽⁴⁾
Pin part size w/o pin	225 x 180mm
Cutting pallets	2pcs ⁽⁵⁾
Flex pallet load	3000kg
Pallets in tower 1	RM
UL	4pcs
RM	150mm
UL	220mm
Time to prep. next sheet	3min 10s ⁽⁶⁾
Cutting pallet each. time	56s
I/O station with pin table	Integrated
Second station	Optional
TX 3015 EU	Optional

1. Please refer to user specifications
2. Machine height is measured from the floor to the top of the machine
3. Automatic mode
4. Sheet weight max. 710kg / 920kg
5. 2pcs per pallet
6. 3min 10s per sheet



ENSIS/VENTIS/LCG 3015 AJ

ASLUL 3015

NOTES:

1. Laser maintenance area
2. CNC operator panel
3. Safety switch
4. ASLUL power supply: 3x400VAC-N+PE / 32A
5. ASLUL main power switch
6. ASLUL operator panel, fixed to floor
7. ASLUL air supply: 6bar, 800l/min (1600l/min temporarily)
8. 3pcs lightweight fences on tower upper part, 1200x1900mm
9. Lightguard, supplied with automation

- a) Fence height: 2755mm
- b) Fence height: 2000mm
- c) Fence height: 1715mm

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



OMADA AUTOMATION EUROPE LTD.

Description		Automation layout	
ENSIS / VENTIS / LCG 3015 AJ +		ASLUL 3015	
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