

Amada FO MII 3015 4kW RI + ASLUL 3015

Year: 08/2017

Machine hours: about 36.000 / 25.000 / 16.000 h



Technical Data:

Working range: 3070mm x 1550mm x 200mm

Positioning speed X / Y / Z: 80 / 80 / 60 m/min

Position tolerance: +/- 0,1mm

Position spread: +/- 0,01mm

Machine weight: 14.000kg

Laser source:

Type: Fanuc AF 4000 iB

Laser power: 4000 Watt

Laser wave length: 10,6 μ m

Control:

Type: AMNC-3i

Screen: 21,5" Touchscreen

Operating system: Windows 7

Equipment:

Automatic pallet changer

POWER PIERCING

High pressure cutting device CLEAN CUT

Alumino cutting device ALUCUT

Automatic cutting gas pressure regulation

Contact-free capacitive laser cutting head

Laser diode for positioning

Active cutting monitoring

WACS (Water Assisted Cutting System) cutting device

Safety equipment

Peripheral devices:

Transformer

cooling unit

dust collector

purge unit



Tube cutting device type RI



Technical data

Allowable cross section shapes:

Tubes round, rectangular, square, oval and profile tubes

Angle profiles isosceles and not isosceles

Allowable tube dimensions:

Round tubes ($\varnothing$) 19 to 200 mm

Square tubes 19x19 to 150x150 mm

Rectangular, oval tubes enveloping circle diameter max. 200 mm

Angle profiles 19x90 to 19x90 mm

Allowable tube length

(Cut length) 1)

chuck in position A: 6000 mm

(Death zone: 533 mm)

Chuck in position B: 6000 mm

(Death: 218 mm)

Allowable wall thickness

(ST1203) Tubes 1 to 9 mm

Angle profiles 1 to 12 mm

Maximal allowable tube weight 200 kg

Maximal rotation speed 100 min⁻¹

The cutting accuracy depends on the material, the material thickness, its pre-treatment, the type of workpiece, the workpiece size and its position in the work area.

1) Long pipes must be tracked

Storage system ASLUL 3015:



Technical data:

Number of pallets: 6

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