

Amada FO 3015 MII 4000 Watt + RI (Rotary Index)

Year: 10/2017

Machine hours: about 15.000 / 5.000 / 2.800 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 ($\emptyset$) 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



