



Note: Dimension without tube cutting device

Technical data	FO-3015 II NT
Max. Cutting area	(X) 3070 x (Y) 1550 mm
Axis travel cutting head	(Z) 200 mm
Table load	900 kg
Max. thickness of the material	Steel = 25 mm / Stainless steel = 15 mm / Aluminium = 10 mm
Positioning speed X,Y/Z	80/80/60 m/min
Simultaneous	113 m/min
Positioning accuracy	± 0.1 mm
Repeatability	± 0.01 mm
Machine weight	10,500 kg

Laser		
Resonator	AF2000E-LU2.5	AF 4000i-B
Max. Continuous laser output	2500 W	4000 W
Max. Laser peak output	2700 W	5000 W
Laser gas consumption	10 l/h	
Laser source	CO <sub>2</sub> -Laser (AC HF excited, fast-flowing)	
Frequency	5-2,000 Hz	
Laser wavelength	10.6 µm	
Beam divergence	< 2 mrad	

Tube cutting device	
Automatic (Type RI)	
Diameter	Round pipe = 19 - 220 mm / Rectangular pipe = 19 - 150 mm
Max. Length	6,000 mm
Max. Weight	200 kg
Manual (Type CI)	
Diameter	Round pipe = 19 - 115 mm / Rectangular pipe = 19 - 80 mm
Max. Length	3,000 mm
Max. Weight	80 kg

Controller	
CNC Controller	AMNC-F
Screen	15" Touchscreen
Number of controlled axes	4 (X/Y/Z/B) as well as the Laser output control
Memory capacity	10 MB

Standard features
■ Automatic pallet changer with skid table
■ High-pressure cutting (CleanCut)
■ Aluminium cutting (AluCut)
■ Automatic gas pressure control
■ Contact-free capacitive laser cutting head type HS
■ Dust collector
■ Chiller
■ Diode positioning laser
■ Beam path purge
■ Auxiliary gas filter
■ Actively monitoring the cutting process

Optional features
■ Roller support
■ Automatic nozzle changer
■ Manual pipe cutting tool Type CI
■ Automatic pipe cutting tool Type RI



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In the interest of technological progress, we reserve the right to make any changes to technical dimensions, construction and equipment as well as illustrations. Specifications of accuracy are in conformance with the VDI/DGQ 3441. The accuracy of the workpiece and the thickness of the material that can be cut, is dependent on the cutting conditions, the material, the type of workpiece, its pretreatment, the size of the panel as well as the position in the working area.

Laser class 1 conforming to DIN EN 60 825-1 used during standard operation. CO<sub>2</sub>-Laser: Class 4 Laser with invisible radiation. Avoid contact of eyes or skin with direct or scattered radiations. Positioning laser: Visible class 3R laser. Avoid eye-contact with direct radiations.