

MACHINE

model		eVision 1530 F8.0
drives		direct linear drives
touchscreen	["]	21
working area	[mm]	1500 x 3000
maximal weight of cutting material	[kg]	1000
Z axis stroke	[mm]	120
positioning speed – X axis	[m/min]	150
positioning speed – Y axis	[m/min]	150
positioning speed – Z axis	[m/min]	150
positioning simultaneous speed	[m/min]	180
acceleration – for X and Y axis	[m/s ²]	up to 30
cutting accuracy (metal sheet # 1mm)	+/-[mm/m]	0,1
maximal cutting speed	[m/min]	150

CNC

control		Beckhoff TwinCAT CNC
positioning accuracy	+/- [mm]	0,05
repeatability	[mm/m]	0,03

MEDIA

max. system energy	[kVA]	40
average energy consumption	[kW/h]	31
required air pressure	[BAR]	6

MAXIMUM SHEET THICKNESS

STANDARD

construction steel	[mm]	35
stainless steel /N ₂	[mm]	35
aluminum / N ₂	[mm]	30
copper / O ₂	[mm]	12
brass / N ₂	[mm]	12

LASER SOURCE DATA

laser type		Ytterbium Fiber Laser YLS F8.0
laser power	[W]	8 000
wavelength	[µm]	1,07
beam quality	mm x mrad	4,5
frequency	[kHz]	5