

**RAL2**

**Robot Automated Laser**

**SPECIFICATIONS**

MACHINE		RAL2-2010		RAL2-3015		
<b>MAX SHEET SIZE</b>						
X AXIS		2 000		3 000		mm
Y AXIS		1 000		1 500		mm
Z AXIS		200		200		mm
MAX POSITIONING SPEED		150				m/min
POSITIONING ACCURACY		+/-0,05				mm
REPETITIVE ACCURACY		+/-0,025				mm/m
STORAGE CAPACITY		16 / 32 / 48				pcs
TABLE IDENTIFICATION		QR CODE				
TABLE POSITION MEASUREMENT		VISION SYSTEM -LV2.18				
TABLE CHANGEOVER TIME		5				sec
MACHINE INFO COMMUNICATION		INDUSTRY 4.0				
DEGREE OF PROTECTION		WRIST IP67, BASE AXIS IP54				
<b>DIMENSIONS</b>						
LENGTH		10 000		12 000		mm
WIDTH		5 000		6 000		mm
HEIGHT		2 500		2 500		mm
WEIGHT		12 000		14 000		kg
<b>ROBOT</b>						
TYPE		ARTICULATED ROBOT KAWASAKI BX300L				
DEGREE OF FREEDOM /AXIS/		6				pc
MAX PAYLOAD		300				kg
MAX REACH		2812				mm
POSITIONAL REPEATABILITY		+/- 0,2				mm
MASS		1460				kg
CONTROLLER		E02				
DRIVE SYSTEM		FULL DIGITAL SERVO				
INTERFACE		USB, ETHERNET, RS-232C				
<b>CUTTING LASER</b>		FL2	FL4	FL6	FL8	
TYPE		FL SERIES FIBER LASER - COHERENT/ROFIN				
WAVELENGTH		1070				nm
MAX POWER CW		2000	4000	6000	8000	W
POWER STABILITY		+/- 2				%
<b>MATERIAL CAPACITIES</b>						
STEEL		10	20	25	25	mm
STAINLESS STEEL		8	20	25	25	mm
ALUMINIUM		5	15	30	30	mm
<b>MARKING LASER</b>						
TYPE		POWERLINE E AIR-25 LASER - COHERENT/ROFIN				
LASER MEDIUM		ND:YV04, DIODE PUMPED				
WAVELENGTH		1064				nm
POWER		20				W
PULSE FREQUENCY		0-200				kHz
BEAM DELIVERY		GALVO HEAD - S14				
MARKING SHEET SIZE		2000 x 1000		3000 x 1500		