

## Technical specification For Fiber laser cutting machine

TYPE		NF - PRO 620		4 kW
LASER SOURCE IPG		hours	100000	
MAXIMUM OUTPUT		Watt	4000	
OUTPUT STABILITY		%	± 2 (power monitor)	
PULSE MODE		-	Frequency: 5 - 2000 Hz Power: 0-100%	
LASER FIBER DIAMETER		µm	100	
BEAM MODE		-	Direct	
LASER SAFETY		-	Mechanical safety valve	
LASER GAS COMPOSITION		-	N/A	
LASER GAS CONSUMPTION		l/hr	N/A	
COOLING WATER FLOW RATE		l/min	40	
CNC control unit and OPERATING PANEL		-	PA 8000 LW series CNC with 19" TFT touch screen incl. all control buttons and LAN	
MAXIMUM WORKSHEET SIZE		mm	2030 x 6050	
MAX LOAD WEIGHT		kg	3500	
NUMBER OF CONTROLLED AXES		-	4 axis [X, Y, W, Z ]	
MAXIMUM SPEED		m/min	120	
	X axis	Stroke	mm	2030
	Y axis	Stroke	mm	6050
	Z axis	Stroke	mm	200
ACCELERATION				
	X, Y, Z axis	With servo motor	G	1
POSITIONING ACCURACY		mm/m	±0,05	
REPEATABILITY		mm	±0,02	
PALLET CHANGER TABLE/CYCLE TIME		pallet	2 pcs.	45 s
CUTTING GASES				
	STEEL	-	Oxygen (0.1 - 6 bar)	
	STAINLESS STEEL	-	Nitrogen (0.2 - 20 bar)	
	ALUMINUM	-	Dry air or nitrogen (0.2 - 20 bar)	
CUTTING HEAD		-	NUKON BIMO-FSC Fiber-25 bar	
FOCAL LENGTH		inch	6"	
CAD/CAM SOFTWARE		-	RADAN / LANTEK	
POWER RATING		kW	32	
Dimensions (L x W x H)		mm	14557 x 3402 x 2260	
MACHINE WEIGHT		kg	25,500	