

MACHINE MODEL		NF PRO SERIES		
		NF PRO 315	NF PRO 420	NF PRO 620
Sheet Dimensions		1530mm x 3050mm/5x10 ft	2030mm x 4050mm/6.6x13.2 ft	2030mm x 6050mm/6.6x19.8 ft
Resonator Power(kW)		2,3,4,6	2,3,4,6	2,3,4,6
Axis	X	3050mm/10 ft	4050mm/13.29 ft	6050mm/19.85 ft
	Y	1530mm/5 ft	2030mm/6.66 ft	2030mm/6.66 ft
	Z	145mm/5,7"	145mm/5,7"	145mm/5,7"
Workin Table Height		900mm/35.5"	900mm/35.5"	900mm/35.5"
Maximum Loading Capacity		2000 kg/4409 lbs	3500 kg/7716 lbs	6000 kg/11023 lbs
Positioning System		Servo Motor / Rack and Pinion	Servo Motor / Rack and Pinion	Servo Motor / Rack and Pinion
Acceleration		20 m/s ²	15 m/s ²	15 m/s ²
Axis Speed (X,Y Simultaneous Speed)		140 m/min	140 m/min	140 m/min
Positioning Accuracy (Pa)*		0.1mm/0.0039"	0.1mm/0.0039"	0.1mm/0.0039"
Shuttle Table Change Time		27 sec	35 sec	45 sec
Controller		19" Multi Touch Screen	19" Multi Touch Screen	19" Multi Touch Screen
Assist Gas		Oxygen (O ₂) : 15 Bar Nitrogen (N ₂) : 25 Bar	Oxygen (O ₂) : 15 Bar Nitrogen (N ₂) : 25 Bar	Oxygen (O ₂) : 15 Bar Nitrogen (N ₂) : 25 Bar
Optional Equipment		-Auto Nozzle Changing -Loading/Unloading Systems -Air Cutting -Cut Line Technology** -Piercing Sensor & Cut Detection***	-Auto Nozzle Changing -Loading/Unloading Systems -Air Cutting -Cut Line Technology** -Piercing Sensor & Cut Detection***	-Air Cutting -Cut Line Technology** -Piercing Sensor & Cut Detection***
Machine Weight		16000 kg/35.274 lbs	20500 kg/45.195 lbs	27000 kg/59.525 lbs

The right to make changes to dimensions, construction and equipment is reserved by NUKON.

* The accuracy that can be achieved depends on variable factors such as workpiece design, heat treatment, dimensions and position in the work area. Values given are based on VDI / DGQ 3441.

** Cut Line technology is available for 4 kW and 6 kW power options.

*** This option is available for 6 kW and above power options.

CUTTING PARAMETERS

Resonator		2 kW	3 kW	4 kW	4 kW Cut Line	6 kW	6 kW Cut Line
Maximum Cutting Capacity	Mild Steel	16 mm	18 mm	20 mm	20 mm	20 mm	25 mm
	Stainless	6 mm	10 mm	12 mm	15 mm	20 mm	25 mm
	Aluminum	5 mm	8 mm	10 mm	15 mm	20 mm	25 mm
	Brass	3 mm	5 mm	6 mm	8 mm	12 mm	15 mm
	Copper	3 mm	5 mm	6 mm	8 mm	12 mm	15 mm
Power Consumption 380V/3PH ±5%		24 kVA	28 kVA	32 kVA		48 kVA	