

1. Technical data

Machine		CUT 20 P	CUT 30 P
Overall size (WxDxH)	mm	2500x2500x2200	3100x2800x2325
Total weight of equipment without dielectric	kg	2640	4440
Floor space	mm	3500x3500	4000x4000
Work table			
Work tank inside size	mm	1050x765x560	1260x945x675
Size	mm	700x480	950x630
Max. workpiece size	mm	900x680x250	1050x800x350
Max. workpiece weight	kg	400	1000
Air supply			
Pressure	bar	6 ~ 9	
Min. flow	l/min	100	
Diameter of the tube	mm	Ø 8 (outside diameter)	
Coordinate axes			
X, Y, Z travel	mm	350x250x250	600x400x350
U, V travel	mm	90x90	100x100
Max. taper angle / 80mm height		± 25	
X, Y minimum resolution	µm	0.1	
U, V, Z minimum resolution	µm	0.125	
Dielectric unit			
Type		Deionised water	
Volume of clean water tank	l	200	230
Volume of dirty water tank	l	600	970
Accuracy of filter cartridge	µm	5	
Cartridge type (height/dia./number)	mm	450xΦ340x2—G3/4	
Deionising resin	l	20	
Electrode/wire			
Standard wire guides	mm	Ø 0.15, Ø 0.20, Ø 0.25, Ø 0.30	
Max. wire weight	kg	8	
Programmable wire tension	N	3 ~ 30	
Programmable wire speed	mm/s	30 ~ 330	
Threading structure		AWT	
Wire alignment		Automatic	

Cabinet		
Standard power supply voltage		3x380 V / 3x400 V
Power supply frequency		50 Hz (60 Hz is optional)
Permissible fluctuations		±10%
Power consumption		11 KVA
Full load current		17 A
Maximum machining current		35 A
Screen		LCD 17"
Standard languages available		English, Chinese, French, German, Spanish, Italian etc.
Memory capacity		40 GB
Interface		USB, LAN
Operating system		Windows XP SP2
Number of controlled axes		5, four simultaneous
Command mode		Incremental / absolute
Measure unit		Metric / inch
Permissible ambient conditions		
Temperature for optimum accuracy		20±1°C
Temperature for operation of the equipment		15 ~ 30°C
Permissible relative humidity		40 ~ 80%
Max. sound emission of the machine		76 db
Level of protection of electrical equipment		IP43
Vibrations		It is imperative to keep the machine far away from sources of vibration
Altitude		< 1000 m
Illumination intensity		≥200lx