

2.2 CUT P 550 Pro

Equipment		
Dimensions of the machine (depth x width x height)	mm	2640 x 2595 x 2407
Required installation surface (depth x width)	mm	~ 4900 x 4800
Weight of the machine without DA, cabinet and platform	kg	3800
Total weight of the equipment with DA, cabinet, platform and dielectric (operating weight))	kg	6640
Number of machine support feet		5
Number of DA support feet		6
Floor load (with workpiece and dielectric)	Kg/cm ²	5,4
Electrical, pneumatic and hydraulic connections	See § Connecting the equipment	
Axes		
Travel X, Y axes	mm	550 x 350
Travel U, V axes	mm	550 x 350
Travel Z axis	mm	400
Maximum taper \angle° / Z height	°/mm	$\pm 30^\circ/400$
Max. speed X, Y, U, V, Z axes	m/min	3
Max. manual positioning speed X, Y, U, V, Z axes	m/min	2
Axes collision protection (Integrated Collision Protection)	X, Y, U, V, Z	
Minimum resolution X, Y, U, V, Z	μm	0.050
Measuring device	Linear glass scales	
Lubrication X, Y, Z, U, V axes	Manual, centralized	
Work table		
Type	Four-sided clamping frame with M8 threads	
Table size (X / Y)	mm	900 x 600
Max. size of the workpiece (X / Y / Z)	mm	
From topl load		1200 x 275 x 400
Front load		1000 x 700 x 400
Max. weight of the workpiece	kg	1500
Distance floor - table	mm	1000
Work tank		
Type	Automatic	
Accessibility	Front	
Max. internal size (X / Y / Z)	mm	1200 x 700 x 400
Level adjustment	Automatic	
Max. bath level	mm	440
Flushing of erosion area	Coaxial flushing	

* DA = Dielectric unit

Dielectric unit (DA)		
Type	Separate reservoir	
Type of dielectric	Deionised water	
Filling volume	l	1300
Filters / Type	4 cartridges	
Filtration quality	µm	5
Deionising resin	External bottle (option)	
Water conductance adjustment	µS/cm	1 - 20
Cooling system	Water/water heat exchanger with temperature adjustment	
Cooling water consumption	l/min	20
Cooling water temperature	°C	$T_{max.} = T_{Room} - 10^{\circ}C$
Cooling water pressure	bar	1.5 ÷ 3
Automatic refilling system	Yes	
Temperature control of clean water tank	°C	±0.1° automatic
Wire system		
Wire diameter (according to system configuration)	mm	Ø 0.07 - 0.33
Standard wire guides	Closed guides, Ø on request	
Automatic threading for wire	mm	Ø 0.07 - 0.33
Minimum diameter of the hole for automatic threading	mm	Ø 2
Permissible weights and types of spools	kg	2 – 8 Kg (Standard) DIN: K100 – K160 JIS: P1 - P5 16 - 25 kg (Option) DIN: K200 – K250 JIS: P10 – P15
Wire disposal system	Wire chopper, container	
Generator		
Type of generator	IPG Generator	
Min. achievable roughness (Ra)	µm	0.1
Max. cutting speed	mm ² /min	400
Control unit		
Operating system	Windows 7	
Storage	SSD drive	
User interface	AC CUT HMI 2	
Standard languages available	EN, GE, FR, SP, IT, ZH	
Screen	TFT 19" touch screen	
Number of controlled axes	5 (4 simultaneously)	
Units of measurement	Metric / Inch	
CD-ROM	External, USB connection	
Keyboard	Touch Screen	
RJ45 connection	Yes	
USB connection	Yes	
Remote control	Yes	
Various		
Max. acoustic emissions of the machine	Db	70