

Speed meets outstanding accuracy

New ROBOCUT α -CiC series - Multipurpose Wire EDM



ROBOCUT α -C400iC

XYZ axis travel: 400x300x255



ROBOCUT α -C600iC

XYZ axis travel: 600x400x310



STRONG MACHINE RIGIDITY
FOR HIGH PERFORMANCE CUTTING



AUTOMATIC WIRE FEEDING UP TO 500 MM
UNDER SUBMERGE CONDITION



TAPER ADJUSTMENT FUNCTION
FOR HIGH PRECISION TAPER CUTTING



PREVENTION OF WIRE BREAK THROUGH
SIMPLE ADJUSTMENT FUNCTION



Designed for ultimate performance

- high speed, high precision and high quality cutting thanks to steady mechanical structure and excellent discharge devices and control
- stable cutting and easy adjustment of shapes through AI thermal displacement compensation function
- designed for continuous unmanned machining thanks to highly reliable automatic wire feeding (AWF3)
- simple and routine maintenance to reduce your downtime
- high-precision rotary table ROBOCUT CCR opens up new opportunities for your applications
- production and quality information management provided by ROBOCUT-LINK*i* to optimise your performance

ROBOCUT α -C400iC / α -C600iC

Technical data



Standard			α -C400iC	α -C600iC
Maximum workpiece dimensions [mm]	Without automatic door	Z axis travel standard	730 x 630 x 250	1050 x 820 x 300
		Z axis travel option	-	1050 x 820 x 400
	With automatic door	Z axis travel standard	730 x 585 x 250	1050 x 775 x 300
		Z axis travel option	-	1050 x 775 x 400
Maximum workpiece mass [kg]			500	1000
XY axis table travel [mm]			400 x 300	600 x 400
Z axis table travel [mm]		Standard	255	310
		Option	-	410
UV axis table travel [mm]			$\pm 60 \times \pm 60$	$\pm 100 \times \pm 100$
Maximum taper angle [mm]		Standard	$\pm 30^\circ / 80$	$\pm 30^\circ / 150$
		Option	$\pm 45^\circ / 40$	$\pm 45^\circ / 70$
Wire diameter [mm]		Standard	$\varnothing 0.10 \sim \varnothing 0.30$	
		Option	$\varnothing 0.05 \sim \varnothing 0.30$	-
Maximum wire mass [kg]			16	
Machine mass [kg] (including the dried work tank)			About 2200	About 3600
Controller			FANUC Series 31i-WB	

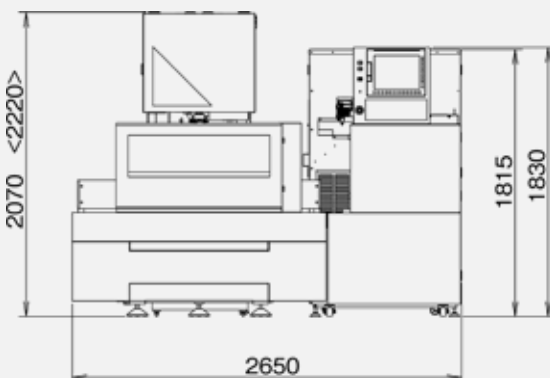
Outer dimensions | Floor plan

- Power input position
 - Compressed air input position
- * The values in parentheses < > are when the safety cover is open.

ROBOCUT α -C400iC



ROBOCUT α -C600iC



*] The above floor plan is that of a standard type machine. Contact FANUC if you wish to order options such as Z axis travel 410 mm 510 mm 30 kg wire loader options.