

# Speed meets outstanding accuracy

## New ROBOCUT $\alpha$ -CiC series - Multipurpose Wire EDM



**ROBOCUT  $\alpha$ -C400iC**

XYZ axis travel: 400x300x255



**ROBOCUT  $\alpha$ -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-LINKi to optimise your performance

# ROBOCUT $\alpha$ -C400iC / $\alpha$ -C600iC

## Technical data



Standard			$\alpha$ -C400iC	$\alpha$ -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	

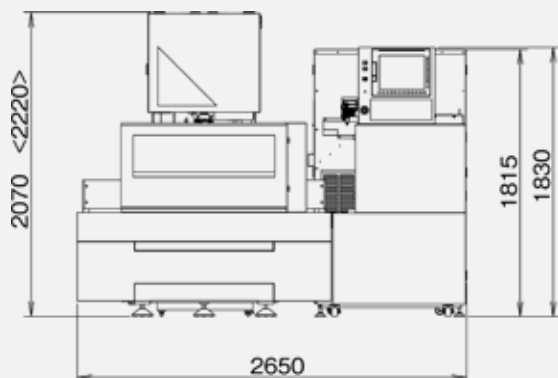
### Outer dimensions | Floor plan

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

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#### ROBOCUT $\alpha$ -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 and 30 kg wire loader options.