Automation has a name.

FANUC

SPEED MEETS OUTSTANDING ACCURACY

ROBOCUT α-CiC series - Multipurpose Wire EDM

TAPER ADJUSTMENT FUNCTION FOR HIGH PRECISION TAPER CUTTING

PREVENTION OF WIRE BREAK THROUGH SIMPLE ADJUSTMENTS

AUTOMATIC WIRE FEEDING UP TO 500 MM UNDER SUBMERGE CONDITION

STRONG MACHINE RIGIDITY FOR HIGH PERFORMANCE CUTTING

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

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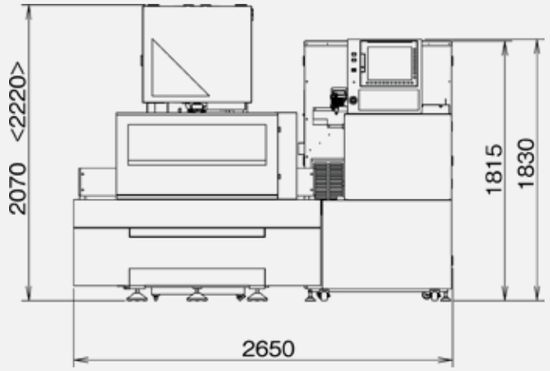
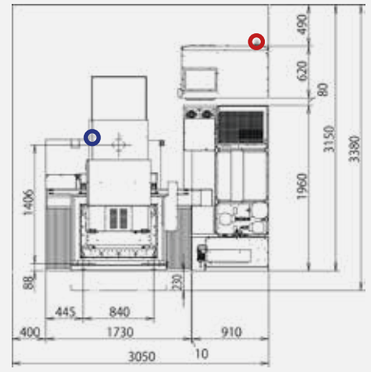
TECHNICAL DATA

Standard			α-C400*i*C	α-C600*i*C	α-C800*i*C
Maximum workpiece dimensions [mm] without automatic door	Z axis travel standard		730 × 630 x 250	1050 x 820 x 300	1250 x 975 x 300
	Z axis travel option		-	1050 x 820 x 400	1250 x 975 x 500
Maximum workpiece dimensions [mm] With automatic door	Z axis travel standard		730 × 585 x 250	1050 x 775 x 300	1250 x 975 x 300
	Z axis travel option		-	1050 x 775 x 400	1250 x 975 x 500
Maximum workpiece mass [kg]			500	1000	3000
XY axis table travel [mm]			400 x 300	600 x 400	800 x 600
Z axis table travel [mm]		Standard	255	310	310
		Option	-	410	510
UV axis table travel [mm]			± 60 x ± 60	± 100 x ± 100	± 100 x ± 100
Maximum taper angle [mm]		Standard	± 30° / 80	± 30° / 150	± 30° / 150
		Option	± 45° / 40	± 45° / 70	± 45° / 70
Wire diameter [mm]		Standard	Ø 0.10 ~ Ø 0.30		Ø 0.10 ~ Ø 0.30
		Option	Ø 0.05 ~ Ø 0.30	-	
Maximum wire mass [kg]			16		30
Machine mass excluding dielectric medium [kg]			About 2200	About 3600	About 5300
Controller			**FANUC Series 31*i*-WB**		

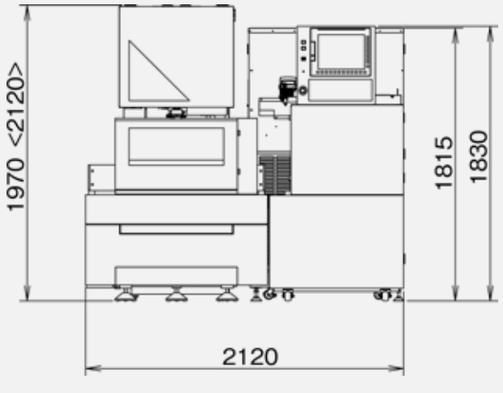
OUTER DIMENSION | FLOOR PLAN

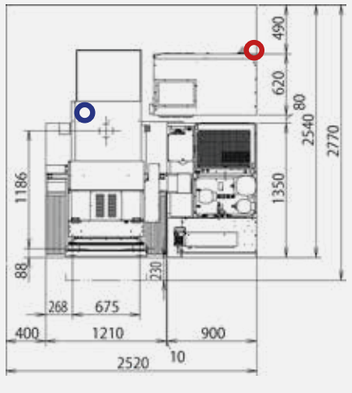
ROBOCUT α - C600*i*C



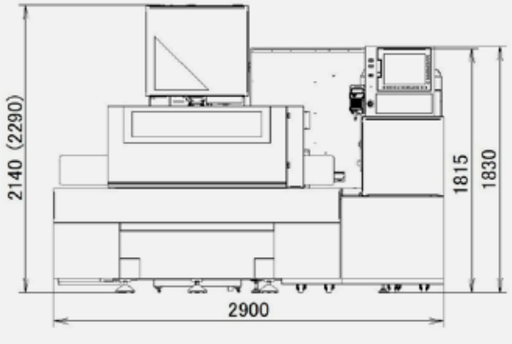


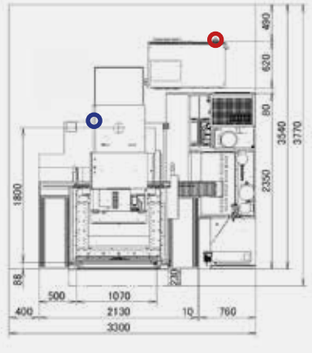
ROBOCUT α - C400*i*C





ROBOCUT α - C800*i*C





Power input position

Compressed air input position

* The values in parentheses < > are when the safety cover is open.

*) 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 and 30 kg wire loader options.

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