

FI 240 CC
FI 440 CC
FI 640 CC

FI CC SERIES

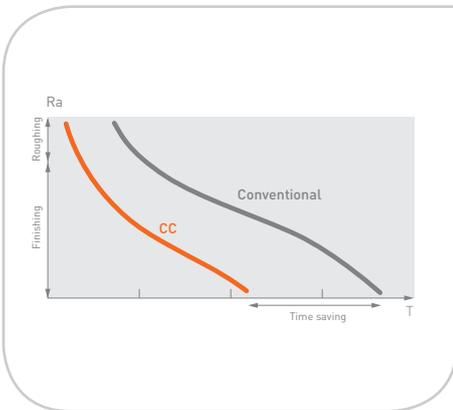
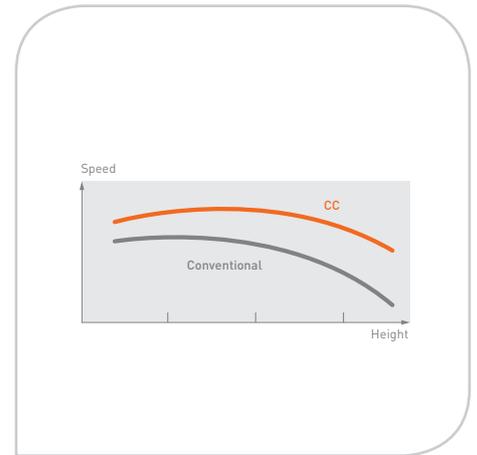
At a glance

Productivity first.



The easy-to-use and efficient Millennium numerical control.

Based on the Windows XP® operating system, the machine is easy to use due to its touch screen. Its standard IT architecture makes it very easy to update the software of the numerical control. The various online Expert Systems use the expertise of GF AgieCharmilles to effectively guide the operator in his choices and automatically optimize machining output.



Fast improvement of the surface quality.

The CC generator has been designed to produce high-precision parts with a minimum of trim cuts. The surface quality of Ra 0.6 μ m is obtained in a total of only three passes. Maintaining the surface integrity of the machined part is always a priority whatever the machining sequence used.

Cutting speed of up to 500 mm²/min at low cost.

The exclusive technology of the CC numerical generator enables considerable sparking energy to be programmed. At full power, top speed reaches 500 mm²/min. The power consumed for this performance does not exceed 11 kVA, which makes the machine the most profitable on the market for this application.





Technical Data	FI 240 CC	FI 440 CC	FI 640 CC	
Machine concept	QUADRAX® - Fixed table			
X, Y, Z axes	mm	350 x 220 x 220	550 x 350 x 400	800 x 550 x 510
Taper angle	°/mm	45/220	45/400	45/510
Workpiece dimensions max.	mm	1000 x 550 x 220	1200 x 700 x 400	1300 x 1000 x 510
Workpiece weight max.	kg	750	1500	3000
Cutting speed	mm ² /min.	500 (peak) / 400 (industrial)		
Minimum surface roughness Ra	µm	0.2	0.2	0.2
Measuring system/resolution	µm	Linear glass scales / 0.05		
Standard wire diameter	mm	0.10 - 0.33	0.10 - 0.33	0.10 - 0.33
Main options	Servo-controlled rotary axis, Taper-Expert			

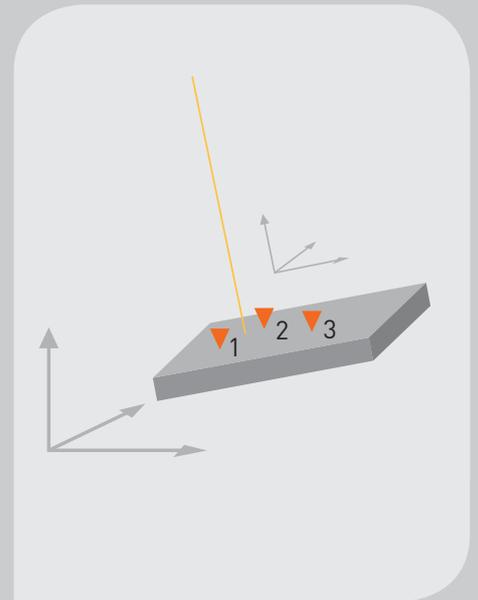
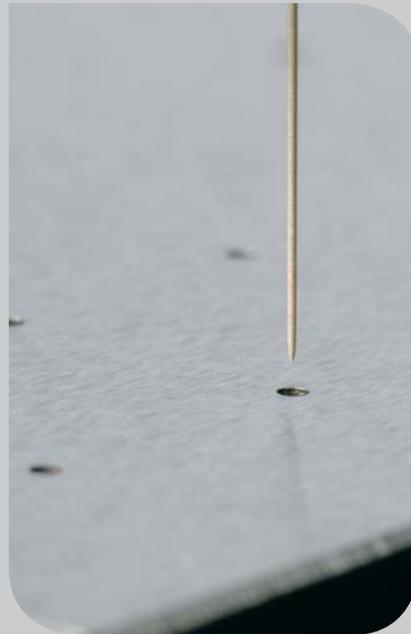


Intelligent automatic wire threading.

ThermoCut is an exclusive system that calibrates the wire before the threading operation. For this reason, all the wires available on the market can be used on the FI CC series without any particular restriction. Depending on requirements and the workload of the workshop, having free choice of wire enables cutting speed to be maximized by using a coated wire or production costs to be reduced by working with less expensive brass wire.

The automation design is built into the machine.

All the basic functionalities of automation are already built into the numerical control as standard. The robot can be installed at the factory or retrofitted directly in your workshop. This enables continuous investment, adapted to the company's development.



Ultra-fast setting-up of the workpiece to be machined.

FI CC machines are designed to minimize the time spent on unproductive activities such as setting up workpieces in the work area. The Millennium numerical control includes powerful measuring cycles such as the 3Points Setup, which greatly simplifies the part alignment operation.

FI 240 CC FI 440 CC FI 640 CC

Fast and precise, equipped with a powerful and modern numerical control, the FI 240 CC / FI 440 CC / FI 640 CC machines guarantee immediate profitability.

At a glance

GF AgieCharmilles

We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM and Automation solutions. A comprehensive package of Customer Services completes our proposition.

Achieve more

We commit to a promise. That promise is «Achieve more». It's a commitment to create the right conditions for our customers to obtain competitive results. When our customers win, we win.

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