GF Machining Solutions

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AgieCharmilles

CUT C 350
CUT C 600

Prices
starting from
$99,000
add a chiller for
additional $5,750

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CUT C 350/600

The solution for standard parts

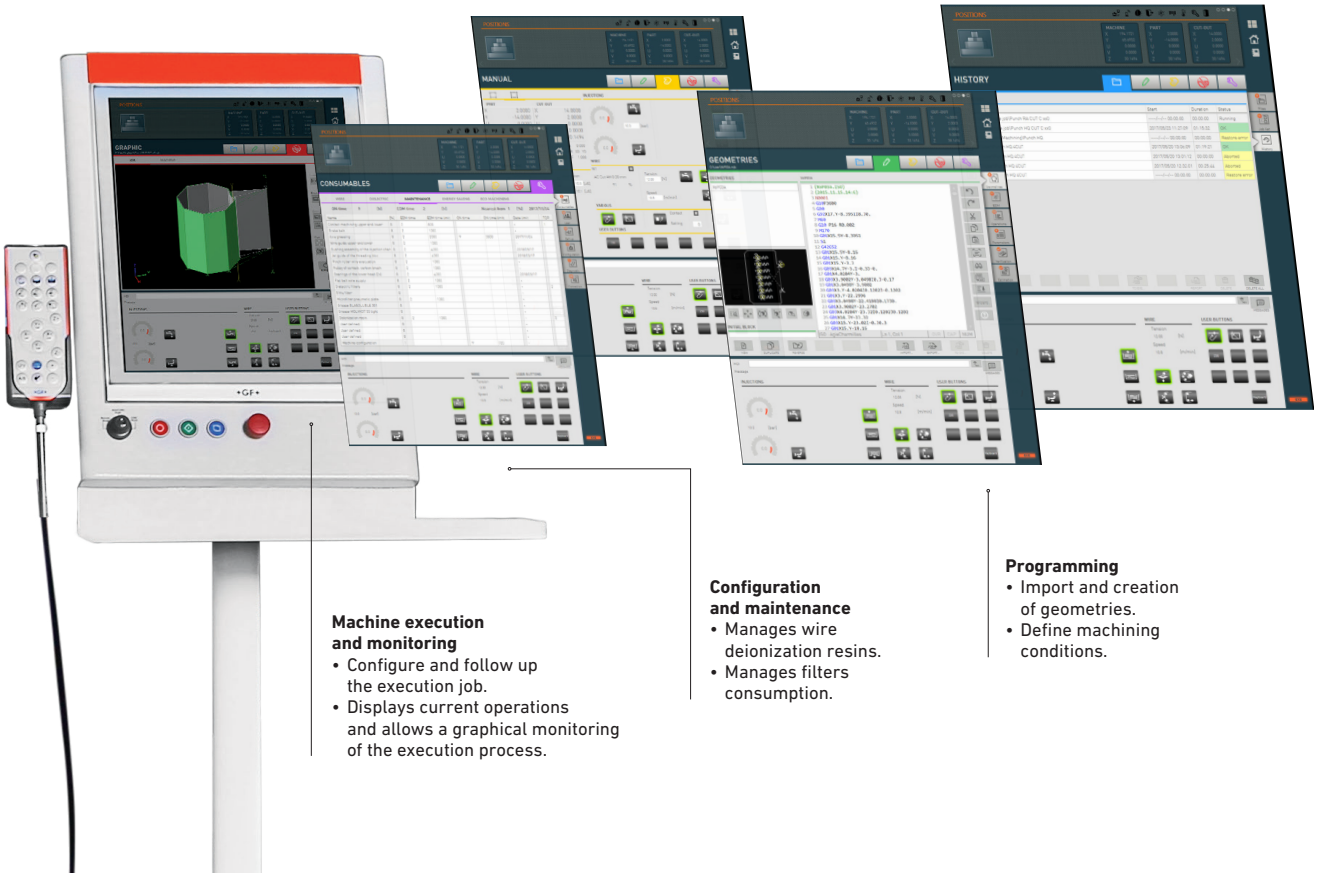
The CUT C series is designed to guarantee the best performance while delivering low running costs. Optimized cutting speeds and reliable accuracy provide the largest adaptable production volume in its class, while the AC CUT HMI 2 system ensures easy programmability via the use of the EDM expert programming modules.

AC CUT HMI 2

AC CUT Human Machine Interface enables productivity by providing efficient tools to assist the operator in the workshop.

Manual mode set up
- Access to main machine functions.
- Perform manual measurements and manual machining.

File management
- Organize the execution of a succession of jobs.
- Manage files and folders.
- Interact with preparation and execution modes.
- Get autonomy by access to AC CAM EASY programming system.



Machine execution and monitoring
- Configure and follow up the execution job.
- Displays current operations and allows a graphical monitoring of the execution process.

Configuration and maintenance
- Manages wire deionization resins.
- Manages filters consumption.

Programming
- Import and creation of geometries.
- Define machining conditions.

Wire circuit

The wire spool holder has been designed to be easily accessible so that the operator can carry out a rapid change of spools.

Low maintenance
Minimal components and minimal consumable parts means low maintenance, thus reducing running costs.

Automatic threading and rethreading
For unattended running hours, the equipment includes automatic wire threading system (as standard).

Thermocut for all types of wire
Whether it's a hard or soft brass, coated or not, automatic threading is fast and reliable.

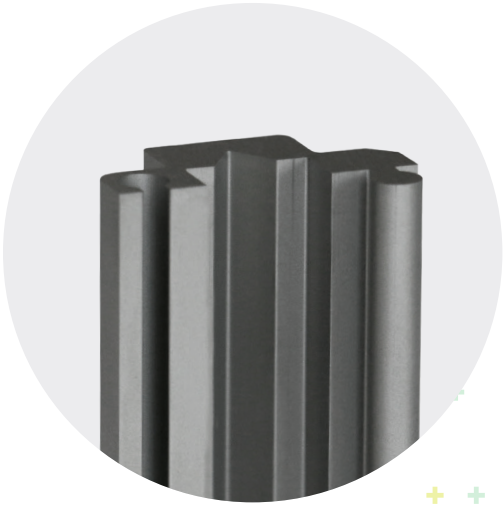
Digital Intelligent Power Generator (IPG)

This fully programmable power supply is equipped with a dedicated electronic circuit that includes EDM know-how. Our Intelligent range of expert technologies helps you to achieve the surface quality and precision the industry demands.

POWER-EXPERT
Wire breakage prevention on parts with variable heights. POWER-EXPERT selects the optimal power to be used with the wire automatically.

Corner strategies
Ensures accuracy of sharp angles and small radii. Automatically adjust machining parameters during changes of direction.

Optimal cutting speeds
Thanks to the IPG technology, fast removal rates are possible with many different wires cutting many different materials.



Technical data		CUT C 350	CUT C 600
Axis travel (X, Y, Z)	mm in	350 x 250 x 250 13.78 x 9.84 x 9.84	600 x 400 x 350 23.62 x 15.75 x 13.78
Axis travel (U, V)	mm (in)	±45 (±1.77)	±50 (±1.97)
Speed of axis movement	mm/min (in/min)	0-3000 (0-118.1)	0-3000 (0-118.1)
Max. workpiece dimensions *	mm in	820 x 680 x 250 32.28 x 26.77 x 9.84	1030 x 800 x 350 40.55 x 31.5 x 13.78
Max. workpiece weight	kg (lbs)	400 (882)	1000 (2205)
Max. taper angle / part thickness	° / mm ° / in	±30°/77 or ±25°/96 ±30°/1.5 or ±25°/3.15	±30°/77 or ±25°/96 ±30°/1.5 or ±25°/3.15
Wire diameters available	mm ø in ø	0.15, 0.20, 0.25, 0.30 0.006, 0.008, 0.010, 0.012	0.15, 0.20, 0.25, 0.30 0.006, 0.008, 0.010, 0.012
Max. weight of wire spool	kg lbs	8 (standard) 17.5	8 (standard) 17.5
Best surface finish Ra (carbide/steel)	µm (µ-inch)	0.25/0.30 (4.72/7.09)	0.25/0.30 (4.72/7.09)
Anti-collision protection		Integrated in X, Y and Z axes	Integrated in X, Y and Z axes
Measuring system		Linear glass scales (XY) and encoder (UVZ)	Linear glass scales (XY) and encoder (UVZ)

* Width x depth x height

GF Machining Solutions

At a glance

We enable our customers to run their businesses efficiently and effectively by offering innovative Milling, EDM, Laser Texturing, Laser Micromachining, Additive Manufacturing, Spindles, Consumables, Tooling and Automation solutions. A comprehensive package of Customer Services completes our proposition.

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