



F0 23 P  
F0 53 P

## FO 23 P / FO 53 P At a glance

Profitable and advanced technology.



### Versatile, reliable and easy to use.

The FO 23 P/FO 53 P are not only amazingly flexible, making it possible to cover a wide range of applications, but also offer exceptional reliability and ease of use.



### Equipped with an efficient and well-proven generator.

More than 2500 generators of this type are in operation worldwide. With this generator, both machine-models can provide outstanding performance for a wide variety of applications. It guarantees repetitiveness, surface homogeneity and precision.



### A mechanical design that ensures static and dynamic rigidity.

Particular care has gone into the rigidity of the cross-table so that heavy items can be loaded without any loss of accuracy (until 800 kg for the FO 53 P). Positioning measurements are made by means of linear glass scales fixed directly onto the X, Y and Z axes of the machines.





Technical Data	FO 23 P	FO 53 P
Machine concept	C-frame, fixed table, drop tank	
X, Y, Z axes	mm 350 x 250 x 200	600 x 400 x 400
Dist. table-chuck min./max.	mm 185/435	187/587
Workpiece dimensions max.	mm 740 x 4500 x 270	1150 x 800 x 500
Workpiece weight max.	kg 200	800
Electrode weight	kg 50	100
Machining current	A 32 (64)	64 (128)
Minimum surface roughness Ra	µm 0.1	0.1
Measuring system/resolution	µm Linear glass scales/0.05	
CNC Type	Multitask numerical control	



### Top performance in a wide variety of applications.

Whatever the challenge, the right spark solution available is delivered through menu-driven programming. Like the solution for machining an (injection) gate. This type of machining requires a 3D cycle and a strategy adapted to evolving electrode surfaces. The calculated geometric data necessary to describe the electrode movement are automatic, based on workshop drawings.

### Functionalities for jobs requiring a high level of quality.

A complete range of automatic machining cycles has been developed to enable the FO 23 P/FO 53 P to cover a wide range of applications. The easy programming of these cycles makes the operator's task a model of simplicity. With shortened cycle times and a 100% use of generator capabilities, the Sinker Programming System (SPS) increases performance and productivity.



### Imbedded experience at the service of the operator.

Decade-long experience and EDM know-how at your disposal. Whether we speak of sparking energy control according to the electrode shape, or gap supervision and real-time spark analysis, the assurance of around-the-clock monitoring and process optimization leads to repetitive and foreseeable machining results.

## FO 23 P FO 53 P

Economical and efficient. The FO 23 P/FO 53 P offers an extremely high price/performance ratio.

## 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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**Achieve more...**