FO 350 μ
At a glance

The world of the mm³.
In the automotive, aerospace, electrical connections, medical and watch-making industries, miniaturization of components is now at the level of mm³. This necessitates the development of corresponding small moulds without hindering the profitability of the manufacturing process. To meet these increasingly demanding requirements, the new FO 350 MicroTEC offers major innovations in terms of precision, speed and productivity.

Consistent and continuous mechanical stability.
The thermostabilization system is a world first and prevents the impact of temperature variations on the precision of part machining. Air-conditioned cabin and circulation of cooled dielectric in the work table, ensure consistent and continuous mechanical stability.

Quality and output of EDM power.
The MicroTEC discharge circuit enables EDM power to be modulated and maximize material removal, while allowing a reduced electrode undersize (50 μm). Even for the tiniest applications, higher machining outputs are achieved, while maintaining the geometry of the electrodes and cavities due to an extremely low wear rate.
Building long-lasting reliability.
A short oversized cast-iron C-frame delivers mechanical stability and precision for the life of the machine, regardless of workpiece weight or dielectric volume. In addition, a rugged design absorbs all machining forces in order to maintain a precise gap between workpiece and electrode. Linear glass scales equip the X and Y, as well as the Z axis, ensuring lifetime movement and positioning precision.

A tailor-made interface.
The comprehensive range of functions is illustrated by graphics, designed to facilitate intuitive and spontaneous comprehension by the operator. Imbedded expertise, on-board documentation and a unique solution of programming result in short set-up time 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.

A product, designed to count on when it comes to ensuring the smallest details and highest precision of your moulds.
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.

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.