

**FO 350  $\gamma$**   
**FO 550  $\gamma$**

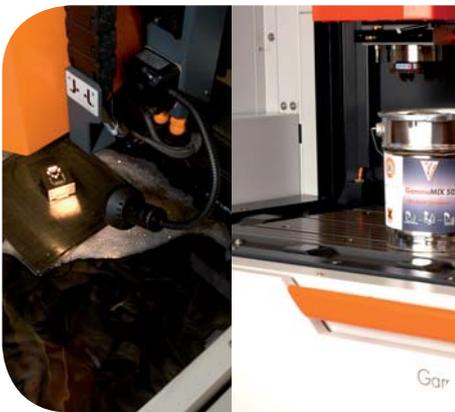
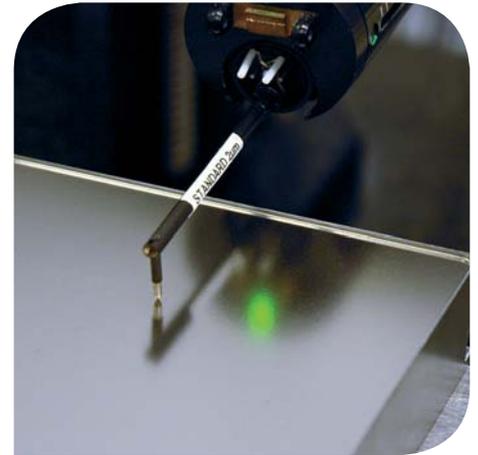
## FO 350 $\gamma$ /FO 550 $\gamma$ At a glance

Enhanced finishing technology for die-sinking EDM.



### Visual aspects of final products weigh more and more on the quality scale.

In a world of rapid changing tastes and fashions, consumer goods frequently undergo design or aspect modifications. In order to respond appropriately to requirements related to production and product quality in mould manufacturing, the development of GammaTEC, based on several patents, provides an excellent solution.



### A technology mix for astonishing results.

Focusing on high performance in die-sinking EDM and in order to ensure repeatability, the GammaTEC solution combines optimization of the dielectric system, related technologies and a specific Pre-mix additive, GammaMIX 50. Thanks to easy and rapid changing, both standard EDM and GammaTEC are possible on the same machine.

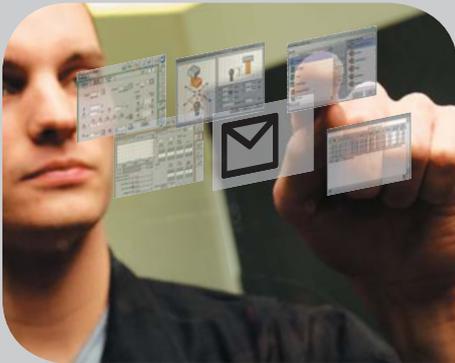
### Performances.

Easy mould ejection, error reproduction on injected parts and their visual aspect are primarily related to surface quality in general. With GammaTEC, sparkling homogeneity on large areas and small details can be reached. GammaTEC offers an indisputable gain of time in tool manufacturing and avoids in many cases the need for hand polishing and its inherent costs.





Technical Data	FO 350 $\gamma$	FO 550 $\gamma$
Machine concept	C-frame, fixed table, drop tank	
X, Y, Z axes	mm 350 x 250 x 300	600 x 400 x 450
Dist. table-chuck min. / max.	mm 150 / 450	150 / 600
Workpiece dimensions max.	mm 780 x 530 x 300	1200 x 850 x 400
Workpiece weight max.	kg 500	1600
Electrode weight	kg 50	100
Machining current	A 64 (128)	64 (128)
Minimum surface roughness Ra	$\mu\text{m}$ 0.1	0.1
Measuring system / resolution	$\mu\text{m}$ Linear glass scales / 0.05	
CNC Type	Windows XP, DPC	



#### DPC – A tailor-made Interface.

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

#### 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.



#### 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 350 $\gamma$ FO 550 $\gamma$

A fast way to reach unequalled and homogeneous surface quality on large areas.

## 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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