

# Intelligent Spark Protection System (ISPS)

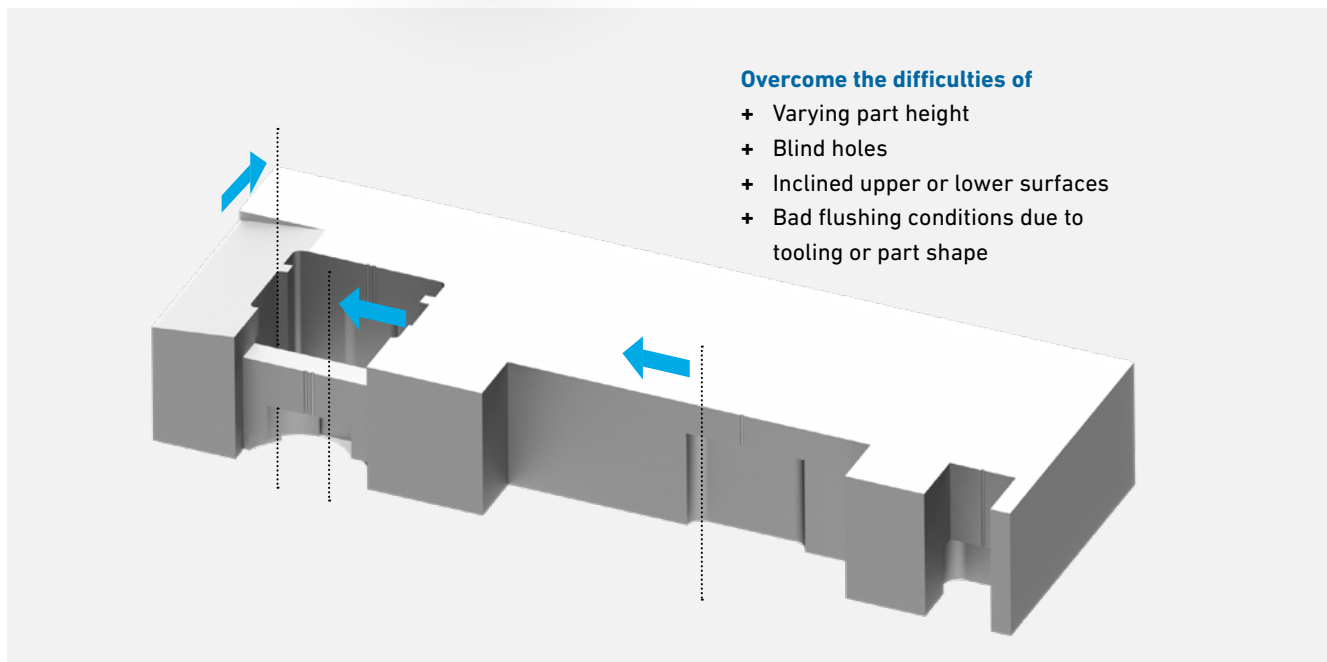
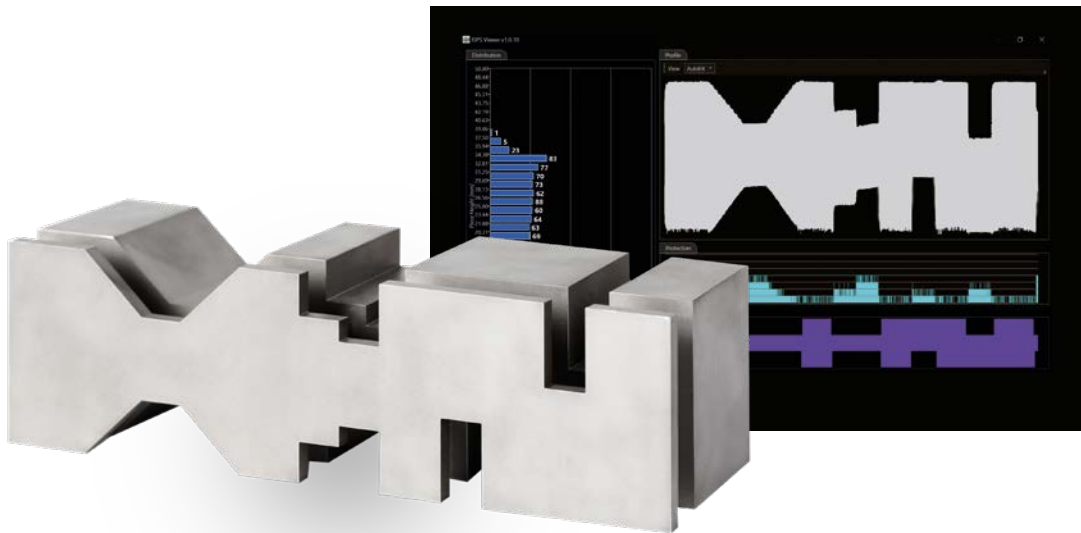
Unveil the mysteries of  
the sparks for complete  
wire breakage protection



Spark Track

# Technology on the cutting edge

With the Intelligent Spark Protection System (ISPS) module, which is part of GF Machining Solutions' Spark Track technology, the EDM cutting process is made easier. Intuitive engineering evaluates the position of each discharge between the wire and part, analyzing the concentration of sparks against a set threshold value. If the concentration exceeds the established limits, ISPS will automatically adjust the spark energy in real time to prevent wire breakage while maintaining an optimum cutting speed.



# Keep production running safely and easily

Complete protection from wire breakage has never been easier. Even under the most challenging cutting conditions, there is no need to manually adjust parameters or engage in time-consuming optimization to prevent wire breakage.

Thanks to the ISPS module, the machine's settings are always fully optimized—independent of the operator's capabilities—to ensure the best possible performance.



## Spark Track: the right track

Spark Track technology, with its state-of-the-art ISPS module, puts wire EDM technology at your fingertips. The ISPS module is the smartest system on the market, eliminating wire breakage—regardless of machining conditions.

**Revolutionary** Recognizes shape changes using spark distribution data

**Adaptive** Automatically optimizes parameters under any condition

**Safe** Secures your EDM process thanks to complete wire breakage protection

**User friendly** No need for manual adjustment; simplifies your operator's life

## At a glance

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

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