+GF+

eTracking for EDM

Superior quality and guaranteed traceability of every part

eTracking: Cost-efficient and repeatable part production

Ensure quality with monitoring and traceability

Get on the fast track to superior quality with GF Machining Solutions' eTracking software platform, directly linked with your Wire-cutting and Die-sinking EDM machine*

+ eTracking automatically checks that all conditions are optimal for producing successful parts while quickly identifying potential out-of-tolerance parts and pinpointing the location of anomalies.
+ Control your costs by reducing the number of rejected parts and focusing post-machining control on suspect parts
+ Define your machining workflows, and guarantee their follow-up – minimizing risks of human errors.

The machining process satisfies and complies with NADCAP's requirements
It provides all data traceability compliant to ensure that no data are modifiied with the most demanding quality certifications for production in Aerospace Standards with the SAE International and aerospace materials specifications

Process flow to Quality covered by eTracking

Q

Raise quality

Documented / Defined

Recorded

Monitored

Reliable

Reproducible

* Eligible Machines to eTracking

Wire EDM machines with:	Die Sinking machines with:
HMI AC CUT (from V3.3.0)	HMI AC FORM (from V1.7.3)
HMI AC CUT 2 (from V2.8.2)	
HMI UNIQUA	

Main features

Before machining
Quality assurance before start
eTracking ensures respect of the workflow to setup your production, check if required consumables and machine conditions are met to realize the parts.

During machining
Quality and productivity optimization
eTracking provides an overview of the status of all machines of the shopfloor, enables detailed machine supervision by monitoring machining behavior, and if required is able to interrupt the machining process.

After machining
Proven traceability
eTracking generates report analysis to define maintenance tasks, recommendations for part control, a final record for traceability, and production statistics.

Benefits of eTracking

Quality
+ Get part right with tolerance monitoring
+ Avoid human errors during part setup
+ Ensure part quality by a continuous monitoring of machining behaviour

Cost
+ Help operators optimize the machining processes
+ Ensure control on 24/7 automation
+ Facilitate root cause analysis on defective parts

Traceability
+ Create digital records of serialized parts to better manage recalls and meet tracking requirements

Revenue growth
+ Improve efficiency and cost to service product
+ Reduce scraps parts thanks to improved productivity

Customer challenges

+ Traceability
+ Surface integrity
+ Zero defect
+ Productivity
+ Material flexibility
+ Lifecycle costs
+ Automation integration

eTracking options

System 3R WorkShopManager
eTracking can be integrated in a System 3R cell manager, typically for automated production cells with robots.

Integrate your eTracking solution into a **3rd party Automation Software**

AI ready
Access to raw real-time data records, for your own knowledge and benefit.

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 services completes our proposition.

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