AC FORM HMI
New common user interface

User friendly design and convenient operation to accelerate your business

Perfection made easy
Hitting the right buttons to make the right moves
In F1-racing the steering wheel has evolved into a major nerve-center. All data that a driver needs on-track is in the palm of his hands, displayed in the center of the steering wheel.

F1 steering wheels serve an obvious and important function. But F1 drivers use them to do much more than just point the car in the right direction. As a complex electronic device the steering wheel allows the driver to control a vast amount of car-settings. In a split-second the driver has to hit the right button. Victory lies in the driver’s hands.

More logic, faster and safer
The new common interface approach of GF AgieCharmilles follows the same path as the F1 steering wheel design. It meets users’ wishes for ergonomic systems that are free of barriers to effective, straightforward operation. GF AgieCharmilles has taken a fresh look at the user interface design, making operation simpler and more easily accessible to operators of all skill levels.

A new generation of one common user interface
What will start under the label AC FORM first for various EMD die-sinking machine-models; will become the standard interface for EDM products of GF AgieCharmilles. This creates a standardized working environment that greatly simplifies the work of people who use different EDM products of GF AgieCharmilles. A common, ergonomic user interface creates a clear advantage for users in terms of easier interaction and consistency of use.

Dynamic manufacturing process
The development of AC FORM HMI interface is based on a study carried out with numerous mold makers in order to streamline the mold-making technique. The organization and layout of screens are a direct development of the information taken from this study. This user-friendliness, which has made GF AgieCharmilles interfaces so successful, has not only been maintained but has been developed even further to benefit the mold maker’s task.

“FASTER CONTROL, IN COMPLETE SECURITY.”

TECHNICAL PARTNER
A good interaction design increases efficiency and process reliability. It accelerates performance and makes perfection become easy.

Complete machining report
The jobs executed out are the subject of a detailed report containing the strategy, the discharge time, events, etc. This information can be exploited for:
- Control the workpiece
- Archive data
- Enrich the know-how
- Calculations of the production costs

Automatic sequence
Choose your priorities
Based on the machining strategies and number of electrodes and parts, the “sequence” screen automatically organizes the machining flow. This can be modified according to the criteria defined by the operator using the sequence wizard. After validation, the ISO program is generated, and you are ready for machining.

Embedded documentation
In order to avoid big workbooks, electronic documentation in embedded in the machine (HTML format). There is no need for printed information on the current screen, code programming, parameters of machining, maintenance, for example. With a simple touch, the necessary information instantly appears on the screen.

Interactive graphical assistance
All operations such as measurement and machining cycles are illustrated by graphics/icons for fast operator understanding and ease of use.

Generic optimum machining strategy
AC FORM HMI offers clear choices for each application. It then generates the optimal machining strategies. The operator introduces, on a single screen, machining parameters such as: state of surface, depth, machining cycle, and type of application to extract the best generator performance.

Programming interactive chart
- Rapid
- Intelligent
- Flexible

Standard Windows platform
- Integrated PC
- Touchscreen
- Windows 7®
- Interconnectivity network

AC FORM HMI - Complexity-free machine operation to make perfection easy.
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.

At a glance

GF AgieCharmilles

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

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