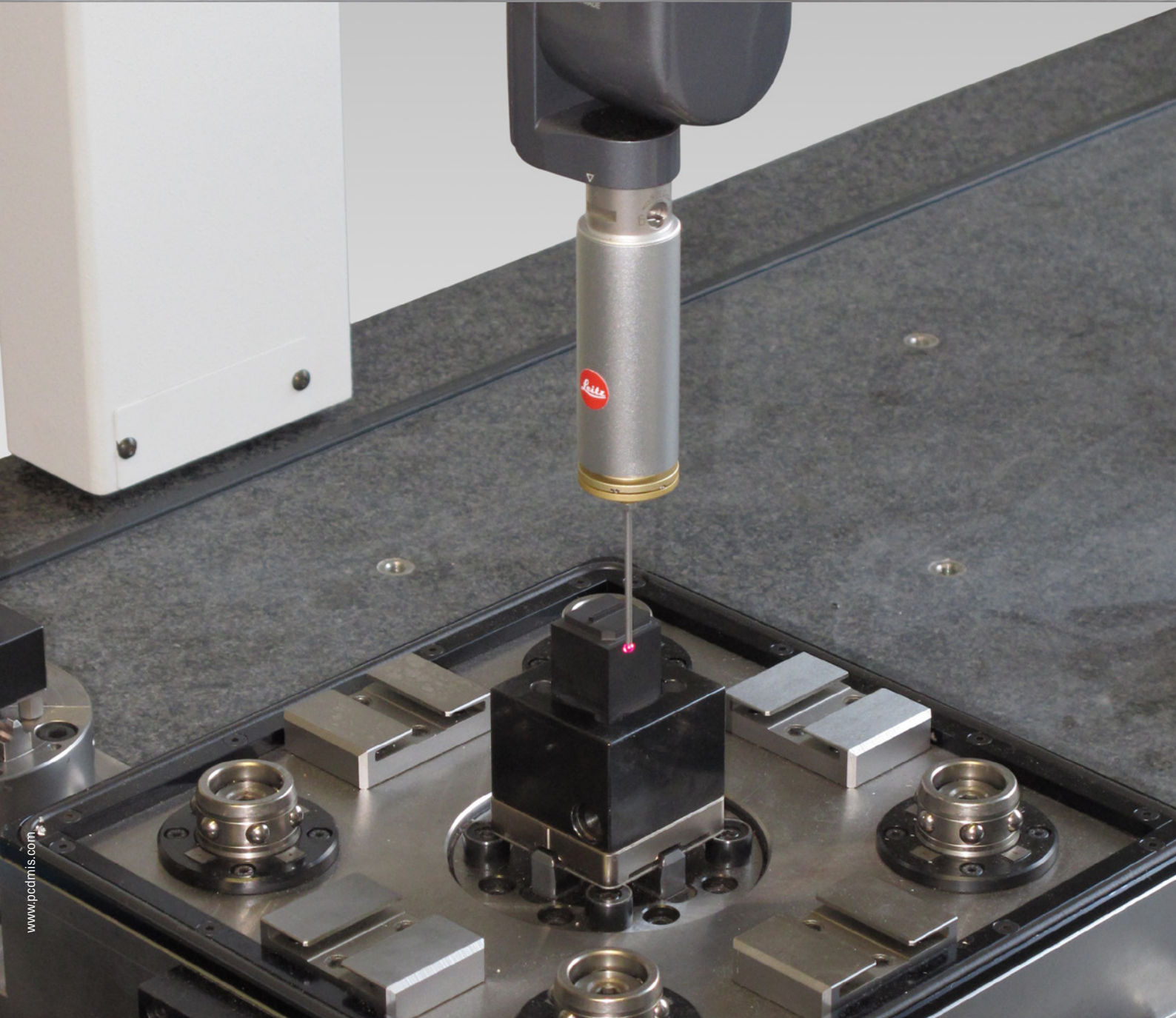




PC-DMIS EDM Preset and Measure
The 2-in-1 measuring software
for EDM cells from GF AgieCharmilles

PC-DMIS Enterprise Metrology Solutions



COMPATIBILITY

Speed. Flexibility. Reliability. Added value. These are the characteristics that companies expect from GF AgieCharmilles.

They find these qualities in our powerful Milling and EDM solutions, in our automation concepts and in our approach to services.

But as we know that a streamlined process of data delivers a significant contribution to maximize productivity, we developed the software SIGMA JE. Presetting and measuring becomes easier and faster.

And that again explains why we work closely with industry partners like Hexagon Metrology.

Compatibility helps our customers to achieve more. And that's our promise.

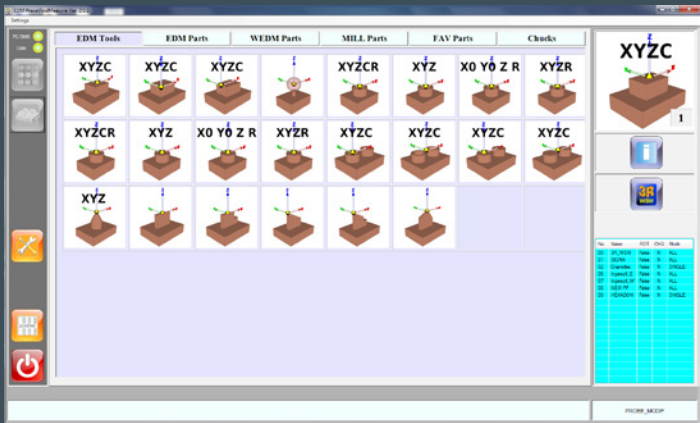
www.gfac.com

FOR MAXIMUM PRODUCTIVITY

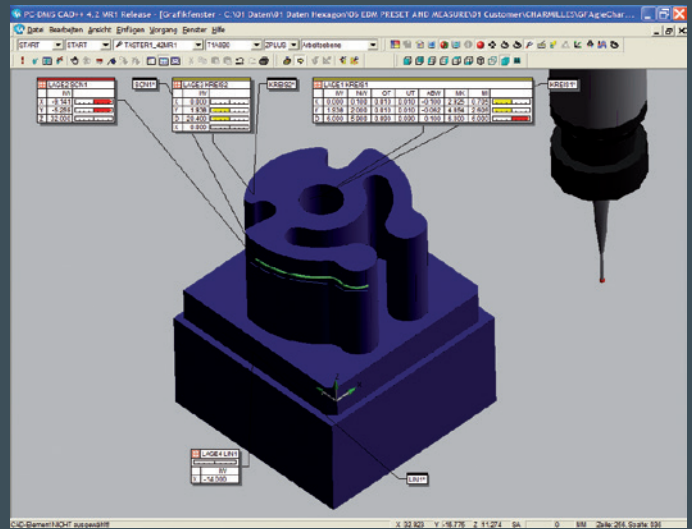
Achieve more...

+GF+

AgieCharmilles



Guided Presetting of electrodes and workpieces, even on a pallet. With a single station, you can feed die-sinking and wire-cutting EDM machines and different milling centres.



Quality control takes full advantage of all the features of PC-DMIS, the world-leading measurement software, for direct CAD-to-part inspection as well.

Secure and versatile presetting and quality control

PC-DMIS EDM Preset and Measure is both a software performing presetting tasks easily and safely, and a software accomplishing accurate and thorough quality controls on electrodes and workpieces. When installed on a GLOBAL Silver coordinate measuring machine from Hexagon Metrology, PC-DMIS EDM Preset and Measure provides an extremely accurate CNC workstation for quality control, suitable for any workcell, regardless of its level of automation.

The use of a customisable library of guided ready-to-use macros does not require any programming knowledge from the operator. PC-DMIS EDM Preset and Measure ensures unprecedented comfort and security in the accurate presetting even of palletized workpieces. It offers maximum versatility in the handling of electrodes and workpieces intended for workcentres using different processing technologies like die-sinking and wire-cutting EDM or milling systems.

The Features of this Solution:

- Integration* into a new or existing coordinate measuring machine.
- Compatible with any machining and pallet system.
- Handles touch-trigger and scanning probes.
- CNC, manual or mixed measuring mode.
- Alignment of chucks mounting electrodes and spindles.
- Support for random loading of pallets of any size and shape.
- Full presetting of electrodes and workpieces. Accuracy of results is dependent on the type of CMM (Coordinate Measuring Machine) used.

- Calculation of all possible correction values (X, Y, Z distances and A, B, C angles), or any value required by the machining type or the specific machine model.
- Presetting data is fully configurable based on the format required by the workcentre it is intended for; additionally, a full library of ready-to-use output formats is available.
- Effective support for tracking jobs and workpieces.
- The library of presetting macros is freely expandable at any time to suit new or changed presetting requirements.
- Interfaceable with Workshop Manager within the automated workcell.
- Interfaceable with workpiece identification systems or fixture clamping verification systems (optional functions not included in the standard offer).
- Assistance from the skilled staff of our Hexagon Metrology global network of technical service and support.

System Requirements:

- Bridge coordinate measuring machine from Hexagon Metrology.
- PC-DMIS measurement software, Pro, CAD or CAD++ version.
- Machining system for electrodes and pallet for workpieces.

* The machining system and accessories, pallets, supports and any workpiece identification systems, as well as DNC or LAN connection for the presetting workstation are not included in the offer. The workcentre intended for presetting data must have provision for receiving correction values.

This partnership offers many advantages

The GLOBAL Silver CMM (coordinate measuring machine) with PC-DMIS EDM Preset and Measure can be integrated with the EDM solutions of our partner GF AgieCharmilles. The advantages:

- PC-DMIS EDM Preset and Measure is a Two-in-One solution: presetting and measuring can be performed on the same CMM.
- The GLOBAL Silver CMM offers MPE_E accuracy from $1.4 + L/333 \mu m$. It can therefore be advantageously used within EDM cells and ensure a measurement accuracy matching up with the most precise workcentres.
- The GLOBAL Silver CMM stands for high performance – it offers a state-of-the-art measurement speed thus ensuring an actual increase of cell throughput.
- The customers of GF AgieCharmilles using EDM cells receive worldwide skilled technical support from Hexagon Metrology on presetting and measuring activities.



PC-DMIS Enterprise Metrology Systems (EMS)

The origins of the PC-DMIS EMS philosophy began more than twenty years ago with a simple concept: parts designed in CAD systems ought to be inspected to the original CAD models, and the reality of inspecting to CAD on a CMM was born. Today, PC-DMIS Enterprise Metrology Solutions (EMS) encompasses multiple interconnected software packages that assist with dimensional quality control at every stage from design through production. PC-DMIS EMS goes far beyond its origin to include tools for many types of metrology hardware platforms, statistical process control, and change management. Manufacturers can maintain complete control over dimensional metrology throughout the manufacturing process with a single solution. With PC-DMIS EMS products, manufacturers of all sizes and disciplines can build metrology systems tailored to meet their specific requirements. PC-DMIS EMS turns data about manufacturing processes into actionable information. PC-DMIS is the most popular dimensional metrology software worldwide, with tens of thousands of copies in use.

Hexagon Metrology

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