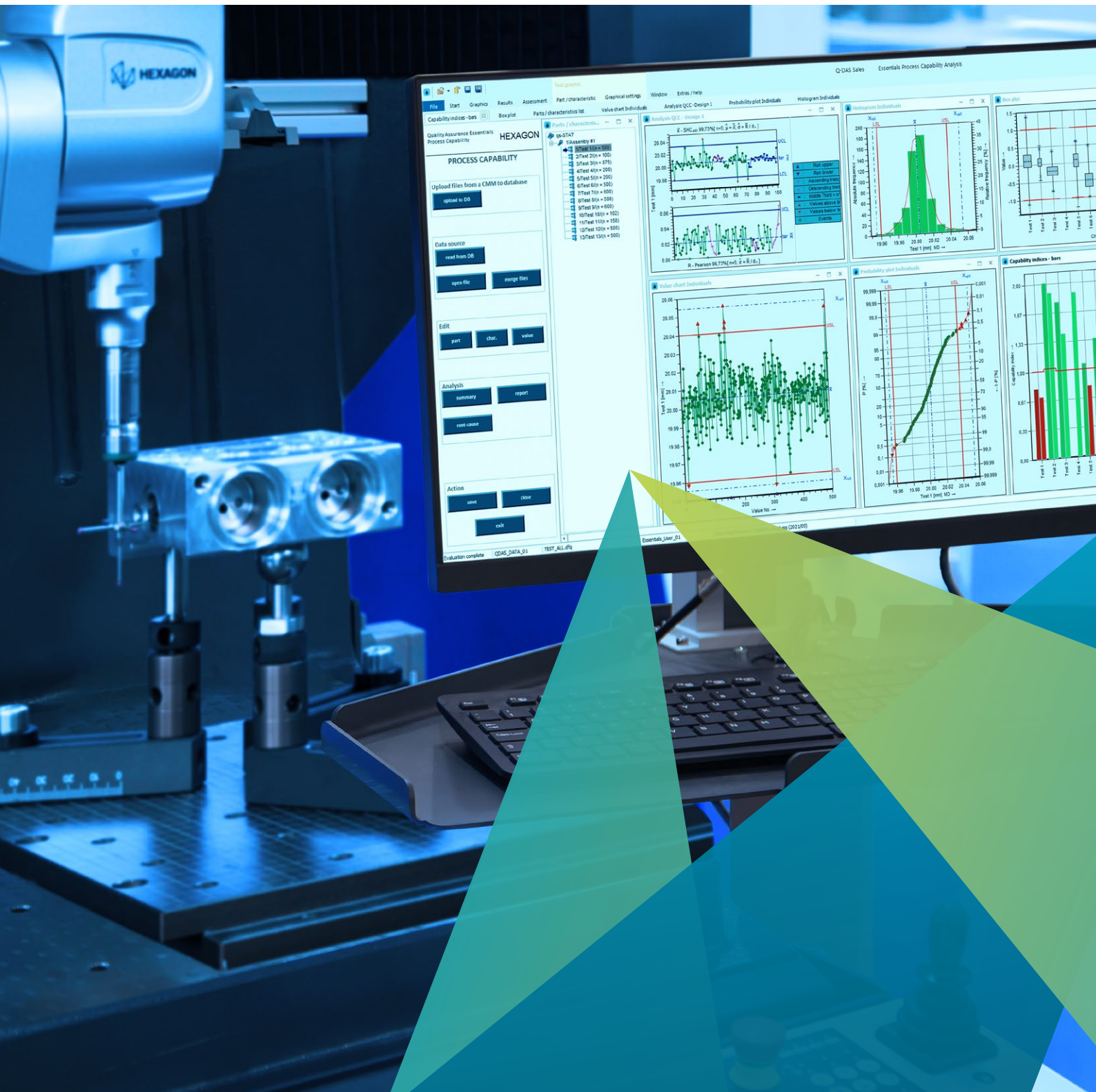


Quality Assurance Essentials

Statistics has never been so easy





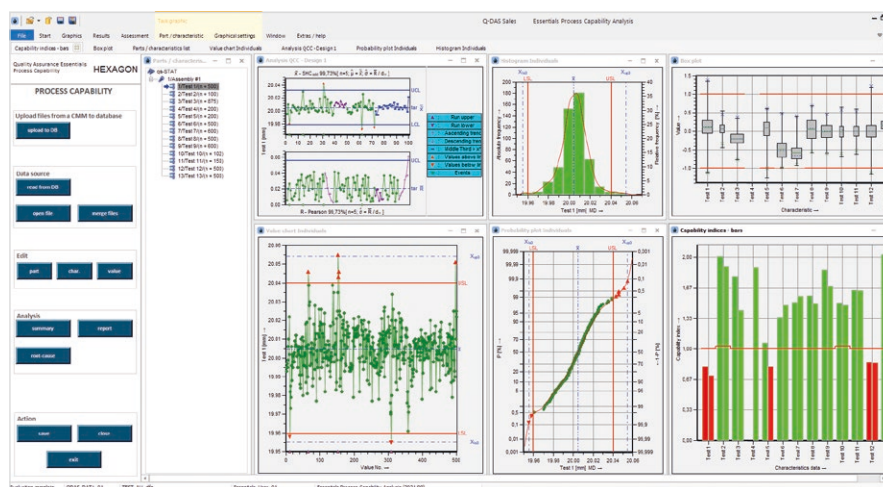
Q-DAS QAE

The powerful, simple to use, simple to install quality analysis solution

Hexagon's Manufacturing Intelligence division has leveraged its best-in-class capabilities from the Q-DAS quality control solution range to create Hexagon Quality Assurance Essentials. It is an easy-to-use entry level quality analysis solution taking the best features for sample analysis, process capability, measurement capability and reporting into one easy to use, easy to install standalone package at a very compelling price.

With Quality Assurance Essentials, users will be able to:

- Run process and machine capability analyses
- Conduct measurement systems analysis (MSA) Type 1, Type 2 and Type 3
- Store data
- Run sample analyses
- Create analysis reports
- Monitor and query data
- Integrate with PC-DMIS and others
- Capability analysis according to DIN ISO 22514-2
- Process capability studies
- 1- or 5-part sample analysis
- Machine capability studies
- Report generation
- Data upload
- Data traceability to filter and select data



MACHINE ACCEPTANCE	
Upload files from a CMM to database upload to DB	
Data source read from DB open file merge files	
Edit part char. value	
Analysis summary report root-cause	
Action save close exit	

Quality Assurance Essentials has preconfigured workflow button-bars built in for the most common activities quality personnel do on a regular basis. These highly intuitive panel workflows simplify work by guiding the user through the necessary steps and key activities.



Use Case

Who needs it?

SMBs:

- Quality Manager
- Quality Inspector
- Quality Engineer
- CMM Programmer

Pain points:

- I need to do Gage R&R analysis and report, compliant to ISO 22514-7.
- I need to do Machine Acceptance analysis and report, compliant to ISO 22514-1.
- I need to do Process Capability analysis and report, compliant to ISO 22514.
- When I have Quality Non-Conformities, I need to analyse and trace the potential cause.

Solution:

To ensure a repeatable reliable inspection process. A capable production machine for a capable and stable process to achieve good quality and a low scrap rate.



Benefits



Reduce your quality costs



Reliable Statistics



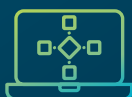
Standards Compliant



Easy-to-use



Seamless migration from DataPage+



Data Agnostic (not only data from PC-DMIS)



Easy to upgrade (to a full SPC solution)



eMMA Fusion

Start your analysis immediately

The browser based eMMA Fusion Essentials delivers a user-friendly approach to 3D data analysis, empowering informed decision-making. It provides an integrated 3D quality data management system.

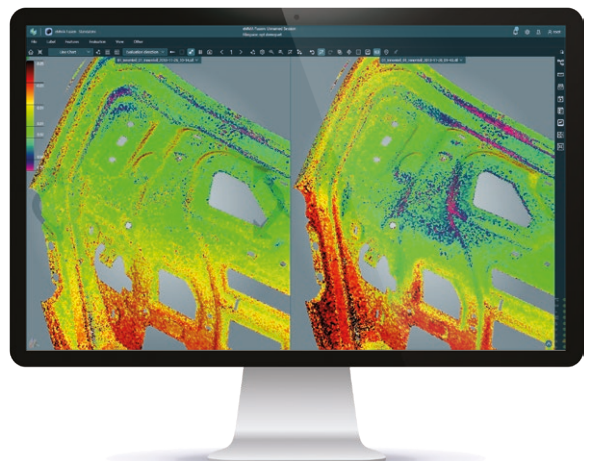
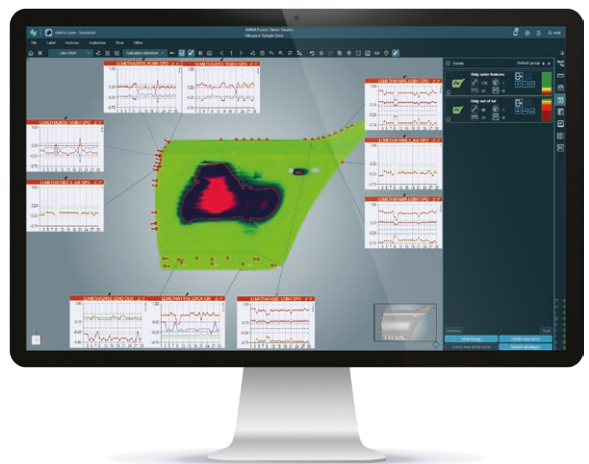
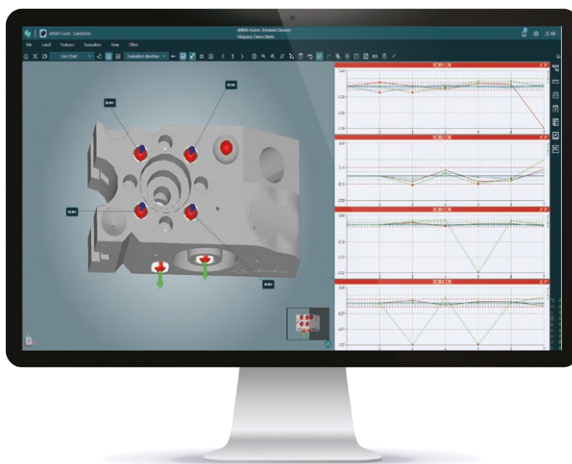
For the first time, eMMA Fusion Essentials allows you to start your analysis immediately, with almost no setup time and little requirements. With a local installation, it is perfect for small projects with single-part or single-assembly products that need to be monitored and reported on.

Our advanced 3D view allows in-depth error analysis, real-time monitoring, and the generation of on-the-fly and customizable PDF reports. All directly on your CAD geometry.

Identify problems where they appear and communicate them to your team.

Single-user solution for small and medium-sized companies:

- Quick and easy installation
- Automated import of tactile and optical measurement results
- Single computer: store all measured data without the need of a server
- Import inspection plans in different formats
- Import CAD geometries in different formats





Use Case

Who needs it?

SMBs:

- CMM Programmer
- Quality Inspector
- Quality Engineers

Pain points:

- I need to monitor my quality results in real-time, with the use of CAD model.
- I need to create customised 3D reports for my customers and colleagues.
- I need perform 3d analysis on Optical data (colour map, video mode to detect visually how the part deforms during the process).

Solution:

eMMA Fusion Essentials monitors measurements locally and updates your analysis view directly. The advanced 3D view allows for in-depth error analysis of both optical and tactile measurements. It is simple to install with almost no setup time and a user-friendly interface.

Benefits



User-friendly

Simplify access, flattening the learning curve of users.



Cost-effective

Save on IT resources and expenses associated with client installations, as browser-based applications reduce the need for individual device setups.



Scalability

Suitable for businesses of all sizes, from small enterprises to large corporations.



The essential combination for quality assurance

This combination of SPC and 3D visualization delivers meaningful, actionable and timely feedback to the shop floor to eliminate bottlenecks, reduce waste, and streamline manufacturing processes. It integrates seamlessly with PC-DMIS metrology software.



Q-DAS QAE



Data
acquisition



Gage R&R



Machine
acceptance



Process
capability



Data
traceability



eMMA Fusion



Data
acquisition



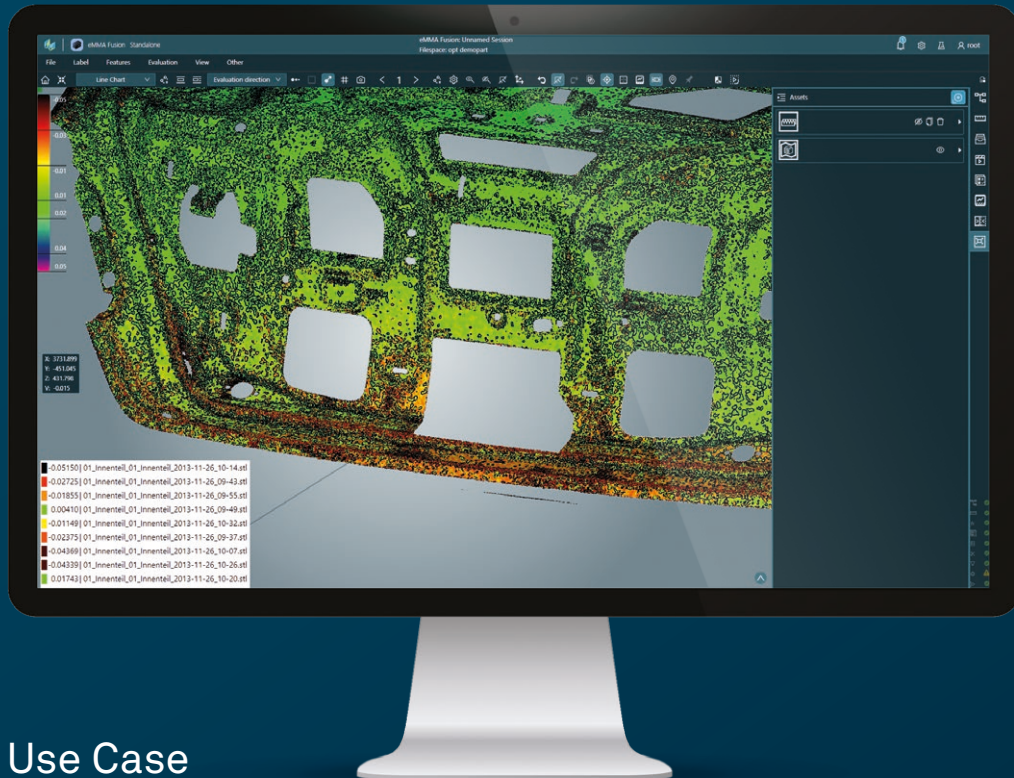
Realtime
monitoring



Customizable
3D report



3D & optical
analysis



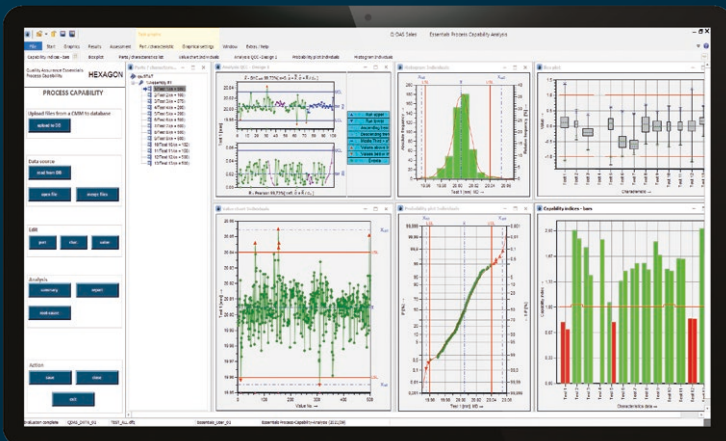
Use Case Who needs it?

SMBs:

- Quality Manager
- Quality Inspector
- Quality Engineer
- CMM Programmer

Pain points:

- I need to perform Process Capability.
- When I have Quality Non-Conformities, I need to analyse and trace the potential cause.
- I need to monitor my quality results in real-time, with the use of CAD model.
- I need to create customised 3D reports for my customers and colleagues.
- I need perform 3D analysis on Optical data (colour map, video mode to detect visually how the part deforms during the process).
- I need to perform Gage R&R
- I need to replace datapage+





Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that use data from design and engineering, production and metrology to make manufacturing smarter.

Learn more about Hexagon (Nasdaq Stockholm: HEXA B) at hexagon.com and follow us [@HexagonAB](https://twitter.com/HexagonAB).