

Digital Industry

M3MH - Complete Digital Measurement Software Services for Machine Tools



Maxime machine tool accuracy and performance through automated set-up and measurement

Avoid unnecessary production idle times and speed-up the machining quality control process with the M3MH real-time quality assurance monitoring service within the machine tool and a bi-directional information exchange through open APIs between the measurement software and machine tool CNC platforms.

M3MH is a measurement software solution that maximises the performance and accuracy of machine tools.

M3MH offers to the user the chance to operate the machine tool through a software with an intuitive graphic interface that allows performing both machining and grinding functions as well as dimensional inspection on the proper machine tool.

In this way, M3MH allows to feedback the information captured in real time to dynamically update the manufacturing process of mechanical components, improving in this way its direct control as well as the dimensional precision of the products obtained.



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Competitive Advantages

- Maximise the performance and accuracy of the machine tool: in-cycle gauging, reduced rework and tool monitored in real-time
- Increase the capabilities of the machine tool: open information sharing, development of a space for the integration of the production & quality control information and an intuitive, user-friendly graphical interface, presentation of customised reports

Target Markets

- Customers: Machining Industry, Machine tool providers, metal industrial sector
- Markets: Geographically starting in a national framework (Spain), widening availability to international coverage, first in Europe and then to the whole world

Status/Traction

- The product is ready to be commercialised. M3MH proofs of concept has been carried out both in the Innovalia Digital iCenter and in the CFAA (Advanced Aeronautics Manufacturing Center)

Road Map

2018

- Technology experimentation a Proof of Concept for secure data exchange between an IBARMIA Machine Tool and M3 quality control platform

2019

- Extend the experimentation for different kind of machine tools controllers (Siemens, Heidenhain, Beckhoff...)

Connect



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Location

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innovalia-metrology.com/metrology-products/machine-tools-solutions/m3mh-machine-tool-measurement-software/

Complete Digital Measurement Software Services for Machine Tools (M3MH) is an Innovation Activity proudly supported by EIT Digital

EIT Digital supports entrepreneurial teams from research and business organizations in launching new startups and new products in agile 12-month projects called innovation activities. These activities are embedded in EIT Digital's European ecosystem and receive a financial co-investment to package their technology, sign up customers and attract investors.