mida

CNC PROBING Recorder

SURF YOUR DATA

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Description

The Marposs PROBING Recorder is an automatic measurement, report and process control acquisition system for statistically analysing measurement results using touch probes.

It offers a direct interface with the machine via an Ethernet connection and using CN communication protocols (FOCAS2 libraries for FANUC CNCs and an OPC UA Server for SIEMENS CNCs).

Designed to analyse production processes, it allows prompt corrective action to be taken in order to avoid the useless production of low quality workpieces.

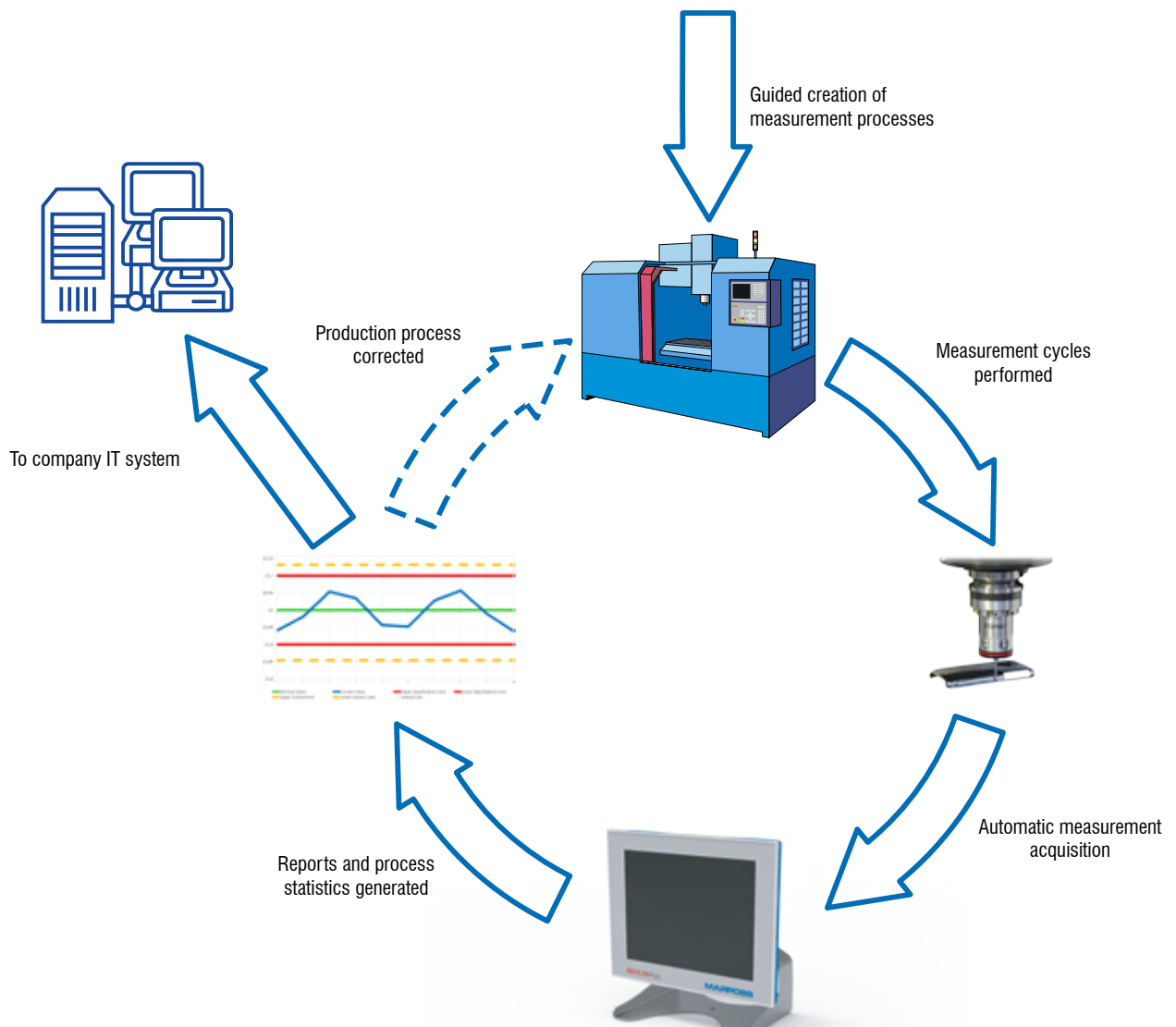CNC PROBING Recorder has been developed to work in Microsoft Excel® environment.

It is compatible with the following CNCs:
- FANUC
- Siemens

Benefits

- Guided creation of measurement processes
- Automatic result extraction
- Process statistics
- Graphic result reports that are intuitive and easy to consult
- Colour-based identification for a rapid analysis of good and reject items

CNC PR⊕BING Recorder

Guided creation of measurement processes

Measurement cycles performed

Production process corrected

To company IT system

Automatic measurement acquisition

Reports and process statistics generated

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Guided creation of measurement processes

Once the type of machine it is operating on has been chosen, the CNC PROBING Recorder will select the set of available workpiece measurement cycles. When the number of measurement processes to run has been defined, data will begin to be entered via the edit masks. The parameters to enter include, the measurement's nominal value, its tolerance margins, the type of cycle and the desired result. The CNC PROBING Recorder will then automatically suggest the name/number of the program to be activated in the cutting programme on which the data collection cycle will be run.

Automatic measurement acquisition

Once the machine connection has been launched, at the end of the production of each workpiece and when the measurement processes have been completed, the CNC PROBING Recorder will automatically enter the results in the cells corresponding to the workpiece number, the batch number and the number of the process currently in progress, thereby creating a report showing the trends of the individual measurements over time.

Reports and statistics

At the end of production, the data collected can be saved automatically and exported in Q-DAS format so it can be processed in the future using software for statistical calculations. The data can be recalled at any time and a report can be generated for the workpiece or the type of measurement, including statistical data. For more detailed analyses the results can be exported in Q_DAS format and processed using special software

Options available

- Software version for PC: (FANUC/SIEMENS)
- Software and Hardware: Merlin Plus p/n

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