



APOLLO Software – Smart Care Platform

APOLLO SOFTWARE

Intelligent Condition Monitoring for Metrology.
More Utilization, Measurement Stability & Operator Efficiency.

Compatibility with HEXAGON, LEITZ, ZEISS, OGP, WENZEL + OPC-UA & MQTT



[VIDEO LINK](#)



WHICH BENEFITS DOES APOLLO PROVIDE FOR MEASUREMENT MACHINES?

25% MORE
Machine Utilization
& Operator Efficiency



50% LESS
Calibrations
& Maintenance Effort



0% RISK
Through Collisions,
Temperatures & Wear



100% REAL-TIME
Measurement Stability
& Quality Monitoring



ARE ALL MACHINES IN A GOOD OPERATION STATUS?

PROBLEM

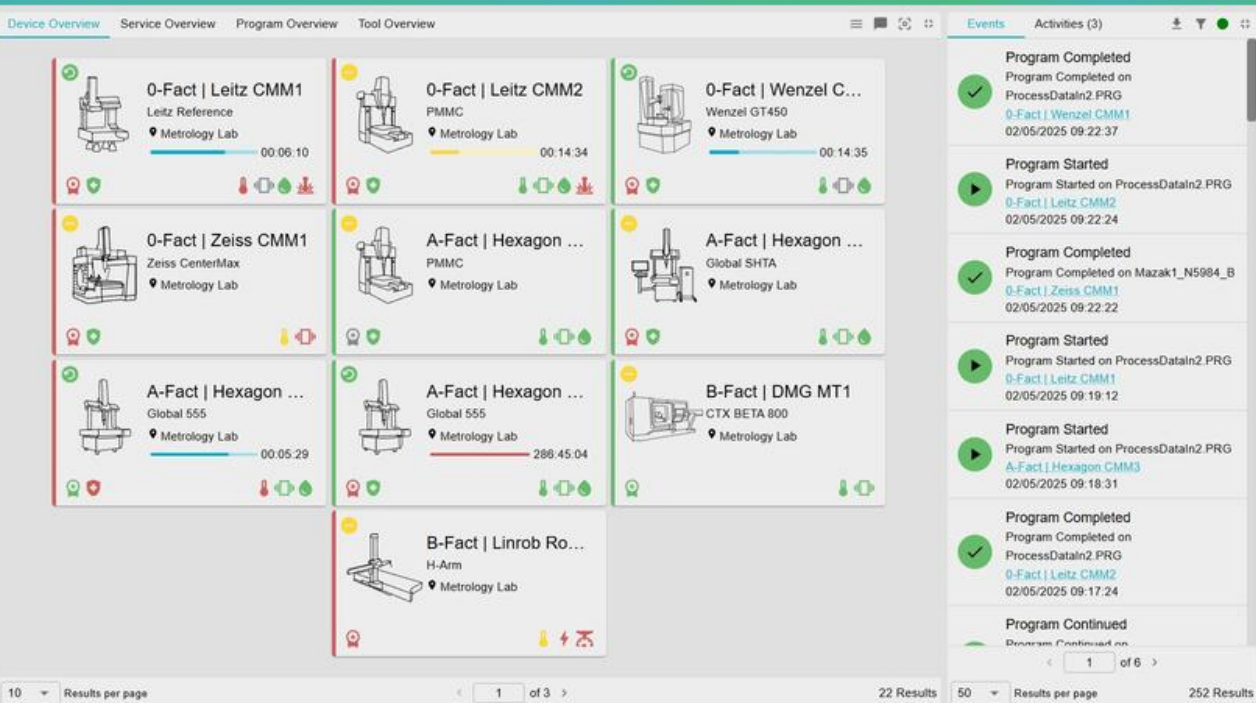
Machine downtimes or faulty operating conditions are often detected too late and lead to production losses or incorrect measurements.

SOLUTION

Real-time display of machine status and critical operating conditions via APOLLO with notifications and remaining runtimes.

ADDED VALUE

Higher utilization and quality of measurements with less operator effort and less susceptibility to errors.



WHEN IS A TOUCH PROBE OR SENSOR WORN OUT?

PROBLEM

Wear or contamination of styluses can lead to unreliable measurements if they are not changed or cleaned in time.

SOLUTION

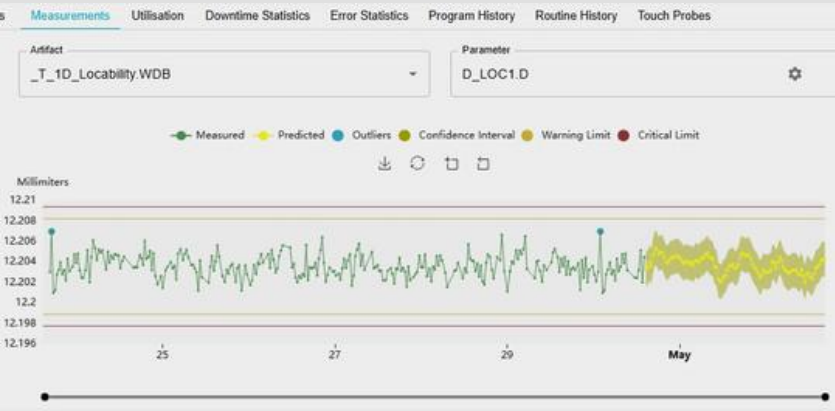
Regular stylus measurements and evaluation of limit value exceedances or critical forecasts. Alternatively, switch stylus based on uptime.

ADDED VALUE

Less unreliable measurements.
Timely, cost-effective stylus change.

Solution A

Solution B



Probe Name	Probe ID	Number Touches	Total Rutime	Distance travelled
RTP20	75	87.755	521 h	7128 m
MH20i	74	3.870	17 h	1480 m

WHEN DOES A MEASURING DEVICE NEED TO BE CALIBRATED?

PROBLEM

Wear, environmental influences and collisions can affect the measurement stability between calibrations. Calibrations are time-consuming and expensive.

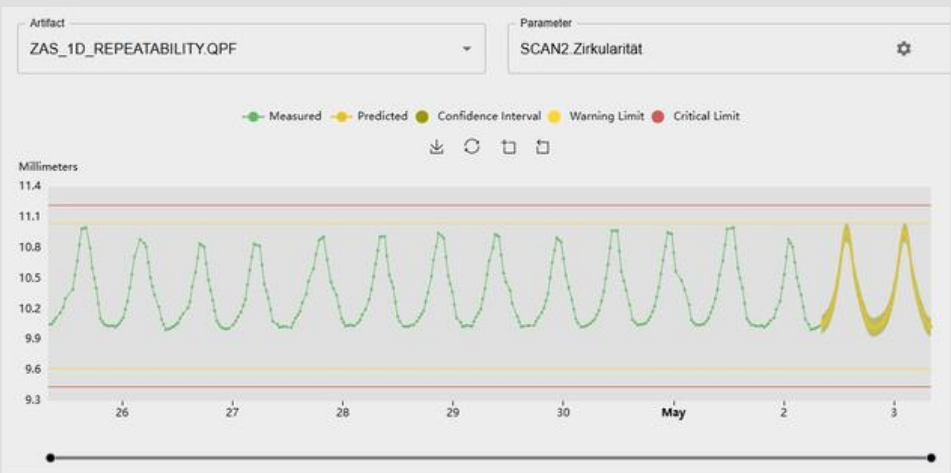
SOLUTION

Regular reference part measurement and evaluation of limit value exceedances or critical forecasts. Alternatively, calibration based on operating time.

ADDED VALUE

Stable measurement accuracy while maintaining timely and cost-effective calibration and maintenance.

Solution A



Solution B

 **Hexagon Maestro**

Total Runtime
332 days 12:44:59

Overall Distance travelled in m

x-Axis	y-Axis	z-Axis
69289.3	38970.4	20618.1

WERE THERE ANY CRITICAL COLLISIONS?

PROBLEM

Collisions may go unnoticed, or their severity may be unclear, leading to unsafe maintenance decisions.

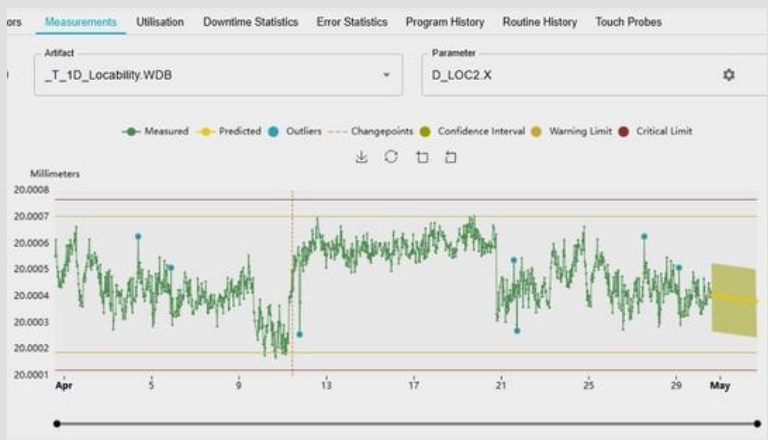
SOLUTION

Regularly measure a reference part to monitor measurement stability and detect changes. Automatic collision messages with criticality info.

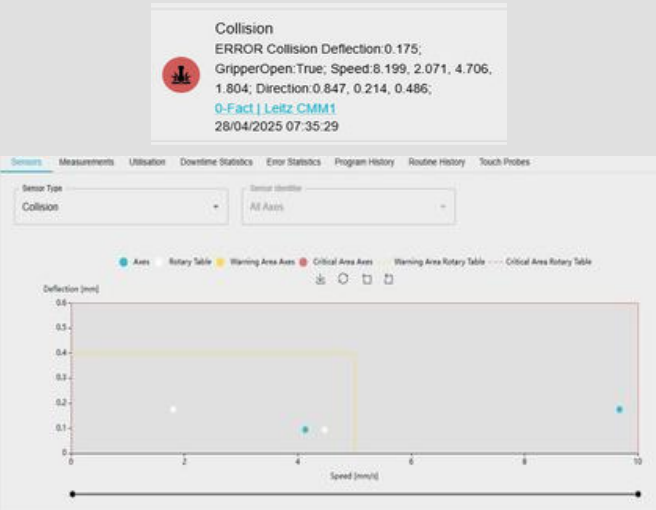
ADDED VALUE

Avoidance of incorrect measurements due to undetected collisions and reduction of unnecessary maintenance costs due to overestimated collision consequences.

Solution A



Solution B



CAN MACHINES BE BETTER UTILIZED?

PROBLEM

Machine effectiveness is almost always unclear – potential for improvement in error times, idle times, waiting and set-up times remain hidden.

SOLUTION

Condition monitoring and automatic evaluation of OEE key figures. Automatic evaluation of errors, queue and set-up times for improvement analysis.

ADDED VALUE

Continuous insights into plant effectiveness to identify optimization potential and increase machine profitability.



FOR WHICH MEASUREMENTS WERE THERE ANY QUALITY PROBLEMS?

PROBLEM

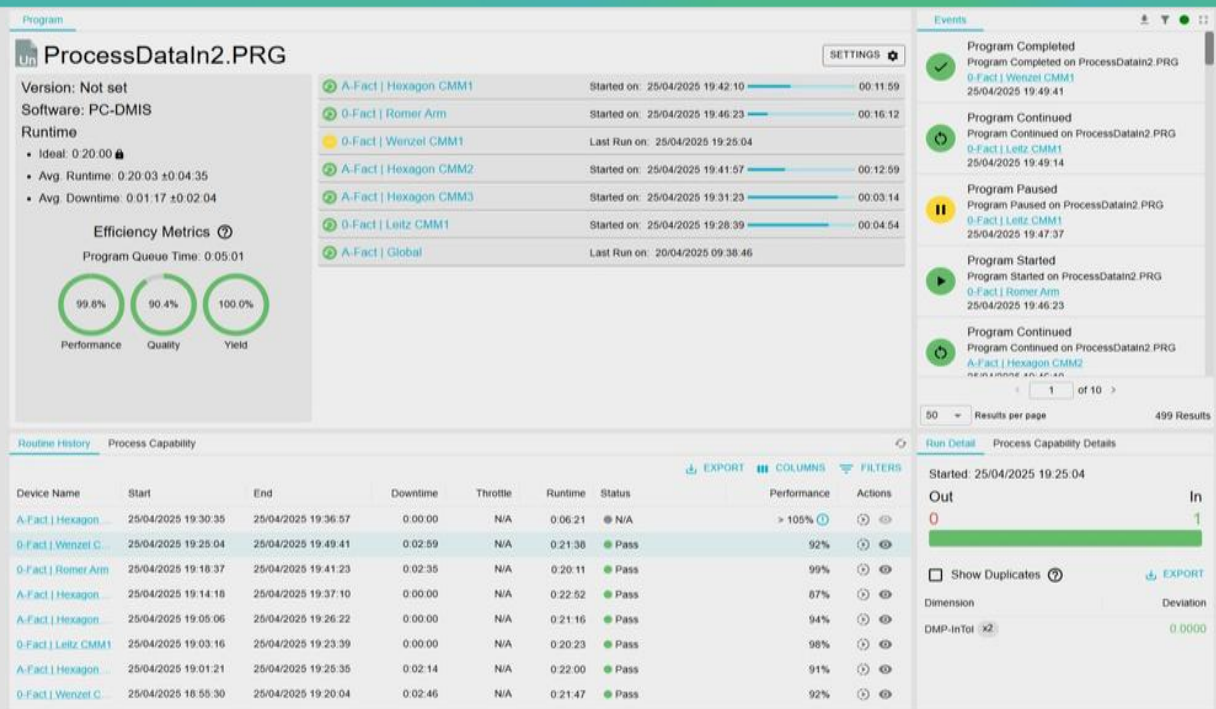
Measurement results are often stored in individual files or network folders. Finding specific measurements with problems or evaluating rejects is time-consuming.

SOLUTION

Central, automatic storage of all measurement results with easy access to individual programs and continuous evaluation of the reject rate.

ADDED VALUE

Access results and scrap rates anytime, anywhere:
Quickly, centralized, and without manual effort.



WHICH MACHINES NEED WHICH SERVICE?

PROBLEM

Keeping track of necessary service activities and systematically compiling system, service and calibration data is time-consuming.

SOLUTION

Creation of service plans incl. notifications in APOLLO. Immediate, structured access to all relevant machine and service data – for all machines from anywhere.

ADDED VALUE

Less effort for service preparation and follow-up as well as efficient management of the measuring equipment inventory. Less maintenance.

A-Fact | Hexagon CMM1
Maestro 091508
Metrology Lab



REQUEST SERVICE

EDIT DEVICE PARAMETERS

DOWNLOAD REPORT

DOWNLOAD LOGS

SYSTEMCONTROLLER

System

Construction Year01/01/2025

GroupHexagon

LocationMetrology Lab

ModelMaestro 091508

ScheduleGeneral Shift

Local Services Version7.4.0

SFX Connector Version14.4.34

Metrology Software Version14.4.34

Serial NumberSKL2502617

UUIDd33bac1e-5572-4770-a901-a13a03ca55e8

Axes

X69093.96221237727

Y38861.033870082465

Z20549.538975508105

SYSTEMCONTROLLERSOFTWARESENSORSACTIVITIESLICENSE

Service Activity History

Service Activity	Execution Date	Reminder Date	Comment	Report
Hexagon Mainten...	29/04/2025	N/A		
Certification	28/04/2025	N/A		
Certification	26/03/2025	26/03/2025		
General Calibration	22/10/2024	N/A		
Reset Out-of-Spe...	19/08/2024	09/12/2024		
General Calibration	01/04/2024	01/07/2024	Device calibrated	
Reset Out-of-Spe...	27/03/2024	N/A	Reset OOS	
Maintenance	02/03/2024	02/05/2024	General mainten...	
General Calibration	01/01/2024	01/04/2024	Device calibrated	
Certification	31/12/2023	31/12/2024	Device certified	

ARE MY PRODUCTION PROCESSES CAPABLE?

PROBLEM

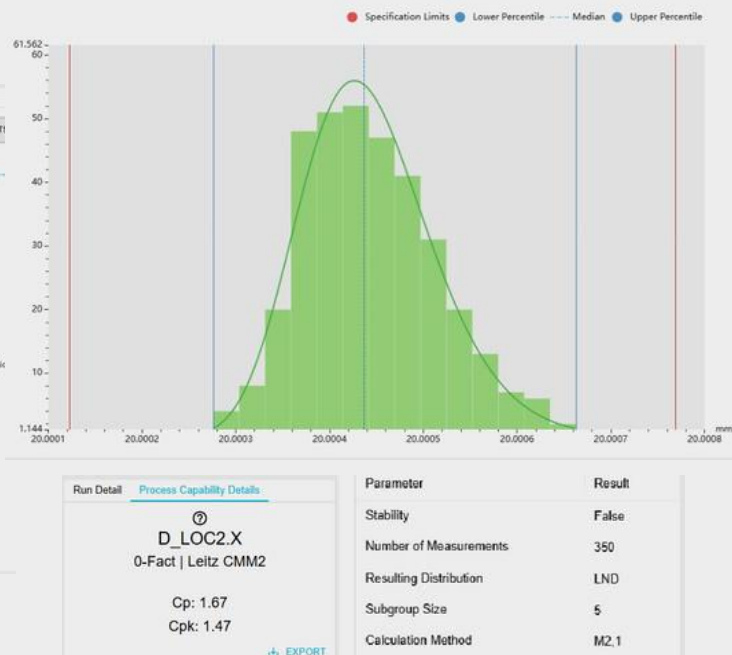
Determining measurement, machine, or process capability is complex and usually requires specialized SPC software.

SOLUTION

Automatic calculation of parameters such as process capability with intuitive operation and ISO-compliant evaluation in APOLLO.

ADDED VALUE

Simple and cost-effective determination of statistical parameters for reports, audits or customers – without expensive training, additional staff or software.



Which Machines Can be Connected to APOLLO?

We Offer a Variety of Existing Interfaces with Standard Protocols or Common Manufacturers.

Machines / Controllers	FANUC Fanuc Oi FOCAS Fanuc 30i / 31 / 32 Fanuc 15 / 16 / 18 / 21	DMG Classic / Next Gen	HEIDENHAIN 530 / 640 w/DNC option OPC-UA (640)	SIEMENS 840/828 (OPC-UA)	Mazak ...
Generic Protocols	MTConnect	OPC	MQTT		
Metrology Devices	HEXAGON	Leitz	logp	WENZEL RENISHAW	ZEISS Mahr
Industrial Robots	linxrob				

Let's Talk!

Book Your FREE Appointment With Us
to Discuss Your Options.

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