

FIELD system

Renishaw Central

DESCRIPTION

Connect to Renishaw CMMs, shop floor gauging systems (On machine CNC probing and the Equator range) and AM machines from a single source, via the Renishaw Central system.

Connectivity

- Automated efficient data collection.
- Plug-and-play solution for easy implementation and maintenance.
- Standards-based outputs allow connectivity to third-party platforms.
- A single up-to-date view of factory data.

Control

- Continuous improvement through analysis of end-to-end process data across operations, cells and time periods.
- Predict, identify and correct process errors before they happen by characterising acceptable process trends and performance.
- Enhance understanding of process performance, part quality and product design by using metrology data captured throughout your processes.

Consistency

- Process automation for unattended "lights out" manufacturing.
- Intelligent, automated decision making reduces human intervention.
- Use data from multiple devices and operations for superior control of upstream processes.
- Shorter feedback loops enable rapid reaction and adjustment to process variation.
- Increase machine utilisation and productivity while reducing scrap.

KEY BENEFITS

- Data to understand what is productive and what needs attention.
- Yield rates, including good and bad parts, highlight performance successes and performance issues.
- Understand machine uptime and usage collect status data to see when machines are in use, idle or stopped
- Understand reasons for stoppages alarm data is collected for each machine so reasons for stoppages can be understood.
- Data is viewable through the FIELD system Common Data Viewer or any applicable application.

KEY FEATURES

- Connects to Renishaw CMMs, Renishaw AM Machines and Renishaw Shop Floor Gauging (Equator range and on machine CNC probing).
- Live yield rates from measured products.
- Live status and sensor data from connected Renishaw equipment.





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CONNECT

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APP PREVIEW

Dashboard

RENISHAW. Central	Current Status	Job Performance	Machine Performance	Machine Analysis					Sign out	i
Location Device							🛅 23 Jul 2021 (7 days) - No	ow		
Machine †	Complete	Incomplete	Passes	Fails	Jobs	Utilisation	Errors	Warnings	* *	
CMM-01 2 CMM	1426	4	711	714	1430 Total Jobs	01d 12h (20.6%) <i>Running</i>	9 56 Errors	▲ 13 Warnings		~
CMM-02 2 CMM	1427	4	711	715	1431 Total Jobs	01d 12h (20.6%) <i>Running</i>	1 56 Errors	▲ 13 Warnings		~
СММ-03 2 СММ	1423	5	711	711	1428 Total Jobs	01d 12h (20.5%) Running	1 45 Errors	⚠ 13 Warnings		~
CNC-01 7 Precision Manufacturing / Industry 4.0	560	21	558	0	581 Total Jobs	02d 06h (30.6%) <i>Running</i>	0 Errors	▲ 0 Warnings		~
CNC-02 1 Precision Manufacturing / Industry 4.0	561	21	559	0	582 Total Jobs	02d 06h (30.6%) <i>Running</i>	O Errors	▲ 0 Warnings		~
CNC-03 1 Precision Manufacturing / Industry 4.0	561	21	559	0	582 Total Jobs	02d 06h (30.6%) <i>Running</i>	O Errors	▲ 0 Warnings		~
CNC-04 1 Precision Manufacturing / Industry 4.0	559	21	557	0	580 Total Jobs	02d 06h (30.6%) <i>Running</i>	0 Errors	▲ 0 Warnings		~
EQ-01 Precision Manufacturing / Industry 4.0	6212	18	5515	669	6230 Total Jobs	02d 05h (29.9%) <i>Measuring</i>	177 Errors	▲ 0 Warnings		~
EQ-02 1 Precision Manufacturing / Industry 4.0	6209	24	5513	668	6233 Total Jobs	02d 11h (33.5%) <i>Measuring</i>	177 Errors	▲ 0 Warnings		^
Job	Top 3 Machine States (by %)						Top 5 Errors (by count)			
Blisk Blank 6229 100%	0%	88%	11% Idk					rror state [6 28		
							Error: The queued point 21			
			Ma	istering 0.15%		Server Error:[5013] Mov 14				
					Transaction aborted Use 7					

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