LIVE for Quantum Neo
PRODUCT QUALITY AND MACHINE PERFORMANCE SOFTWARE

DESCRIPTION

"Cerulean Live" is a solution specifically designed for Quantum Neo machines that enables digitalisation and transmission of "Product Quality Information" and "Machine Performance Information".

Product Quality Information:

Specification: Target and tolerance by products. In the networked version, specifications & tolerances can be set centrally for any Quantum Neo.

Control plan: The user can set different alert rules for different products. Users can set a strict alert trigger when 3 consecutive readings in amber zone occur or a less strict rule that only triggers alerts after 5 consecutive data are in amber zone.

Alerts: On-screen and via email

Dashboards: Control Tower monitoring enables top-line overview of factory quality performance in one glance. This also includes Cpk Dashboard*.

Machine Performance Information

Preventive Maintenance: Enables users to perform preventive maintenance and set up regular maintenance notifications. The software initiates the maintenance action to be performed which is triggered based on a defined timeline that can be tailored to different environments or production volume.

Root Cause Analysis: The software also contains a comprehensive list of error codes and can guide the user to the correct trouble-shooting steps in case of machine error. The guidance is performed using tools including text and video for ease of use.

Integration: API enables Data to be extracted by factory to other information systems for different kinds of business analysis.

BENEFITS

- Better product quality with customisable quality control plans

- Lower waste (due to quality issue) as prompt action can be taken with timely notification to operators & QA

- Improved product quality with information for continuous improvement

- Efficient quality data analysis as data is readily available in structured format

- Increase machine utilisation as virtual engineer can prompt troubleshooting steps for 1st level self-help troubleshooting

TECHNICAL SPECIFICATIONS

The Quantum Neo units are connected to a centralized server and Cerulean Live can then be monitored through a separate device connected to the server, including PCs, tablets etc.

Required Specification	Database Server	Application Server
VM Server	1	1
CPU	4 Cores (> 2 GHz)	2 Cores (> 2 GHz)
RAM	8 GB	8 GB
Disk C:	100 GB	100 GB
Disk D:	100 GB	100 GB
Disk E:	200 GB	N/A
OS	Windows Server 64 Bit	Windows Server 64 Bit
Database	SQL Server Standard	N/A
Remote Desktop Connection	YES	YES
Copy file through RDP Session	YES	YES
.Net Framework	Version 3.5	Version 3.5
Browser	N/A	Google Chrome
Allow Install Application	YES	YES

A) Product Quality Info
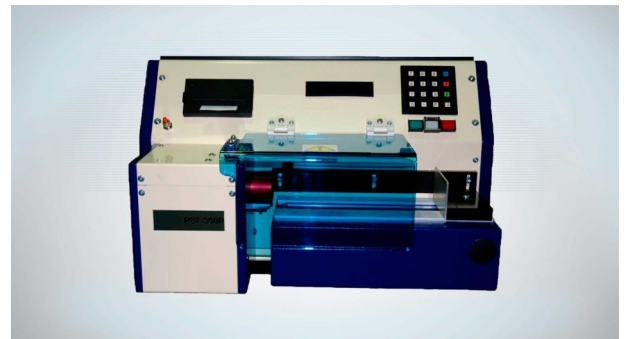
B) Machine Performance Info

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