#### METROLOGY GATE

# Alerts Function

Metrology Gate sends alert that informs the user of what is happening inside the metrology room: emergency pressed, collision, errors detected

# Script Integration

Thanks to Script integration, Metrology Gate also interfaces with the manual measurement tools, recording and saving data in the web-application

Script works with a customizable multimedia package that guides the user through the inspection process by clearly showing each step to be taken to obtain the final measurement.

After completing the inspection procedure, measurement data can be retrieved from the Metrology Gate dashboard along with:

- User details
- Serial number
- Part type
- Distribution chart
- Comments

METROLOGY GATE

info@metrologygate.com www.metrologygate.com









# METROLOGY GATE 2 Your 4.0 Metrology Room

## METROLOGY GATE

# Machine Monitoring

Metrology Gate keeps track of your measuring instruments performance in order to extract relevant data of your workflow

#### **Environmental Parameters**

Thanks to IoT technology, Metrology Gate allows you to monitor the main environmental parameters of your Metrology Room

### Measurement Reports

Measurement reports provide an overview from your Metrology Room. You can easily download standard or custom reports

### **Statistical Process Control**

Metrology Gate is developed with a set of statistical tools that allow you to monitor the status of your workflow at any time

#### Alerts

Receive real-time machine status updates, critical tolerances and other essential information.



Emergency in progress: Air Failure

equest User interventio

User A-21: Needed intervention at CMM 1

End of measurement Statistical Report Ready







## The access to Industry 4.0







#### METROLOGY GATE

# Machine Monitoring

Metrology Gate allows to receive data from different production plants.

You can monitor, anytime, what is happening inside your Metrology Room, providing you immediately status about:

- CMM usage
- Daily activity
- Running program
- Errors
- Probe and heads stats



# **Environmental Parameters**

Thanks to IoT technology, Metrology Gate allows you to monitor the main environmental parameters of your Metrology Room, including:





**IoT Device** Voltage/Charge



Humidity



Brightness



Vibration



Air quality







	LA LA		
	LK 9-505		
22.8 °C 40.0			
Universal 15.10.8 PART 1 00:03:42	Equator 300	Altera C 15.9.7 PART 1 00:08:18	
Агто 6.5.5 PART 2 00:09:41	Manual tool - A		
		See M	ORE

## **Statistical Process Control**

Metrology Gate is developed with a set of statistical tools that allow you to monitor the status of your measuring workflow at any time.

Analyze data, compare the results and get the measurement reports quickly and easily.

All the measured features are immediately available in easy-to read tables and charts.

Project 21						200							T	
Reports - Charts -					OPERATOR		Samples 429 ~ ^ Subgroup siz	E 3 ~ ^	No range selected	СР/СР		DEN ELEMENTS	Sноw о	
NAME	Туре	SAMPLES	Nominal	LOWER TOL.	UPPER TOL.	Average	Average Dev.	Range	LAST MEASURES		Ср	Срк	SHOW	Show 10 • Records
+ T.X.1 [CIR8]	X	429	0	-0.080	0.080	0.030	0.030	0.011			77.689 🙂		100	
+ T.Z.1 [CIR8]	Z	429	0	-0.080	0.080	-0.032	-0.032	0.016		<b></b>	76.402 🙂			
+ TD [CIR8]	DIAM	429	220	-0.100	0.100	220.204	0.204	0.013			275.425 🛞	-286.853		
+ TCIT [CIR8]	CIRLTY	429	0		0.050	0.046	0.046	0.025			- 🙂	10.816		! 🕫 🗞 🗸
+ T.X.1 [CIR6]	x	429	0	-0.080	0.080	0.029	0.029	0.011		0	80.000 🙂	51.494		! 🕫 💊 🗸
+ T.Z.1 [CIR6]	Z	429	0	-0.080	0.080	-0.033	-0.033	0.017		:	75.686 🙂	44.413		! 🔊 🗞 🗸
+ TD [CIR6]	DIAM	429	222.3094	-0.100	0.100	220.200	-2.109	0.013		•	309.194 🔅	-6211.420		! 🕫 💊 🗸
+ TCIT [CIR6]	CIRLTY	429	0		0.050	0.046	0.046	0.026		l.	- ©	11.646		!
+ T.X.1 [CIR5]	×	429	0	-0.080	0.080	-0.003	-0.003	0.010			79.802 🙂	76.555		
+ T.Z.1 [CIR5]	Z	429	0	-0.080	0.080	-0.026	-0.026	0.017		0	75.420 🙂	50.679		
1 - 10 of 25 records												i€ •	PREV	1 2 3 Next ▶ →
							<i>3</i> 8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 2 - 2 - 2						λ.	$/ \lambda / /$

The Statistical Process Control can be monitored through real-time charts, including:

- Gauss distribution Pareto distribution
- XR charts
- Distribution charts

## Measurement Reports



Measurement reports provide an overview of your workflow. Metrology Gate allows you to create and download standard or custom reports in PDF and Excel format.

#### METROLOGY GATE







