



PolyWorks

# DataLoop™ 2024

## 新的突破

### 数据管理和数字化连接解决方案



## 使用云存储高效管理大量 3D测量数据

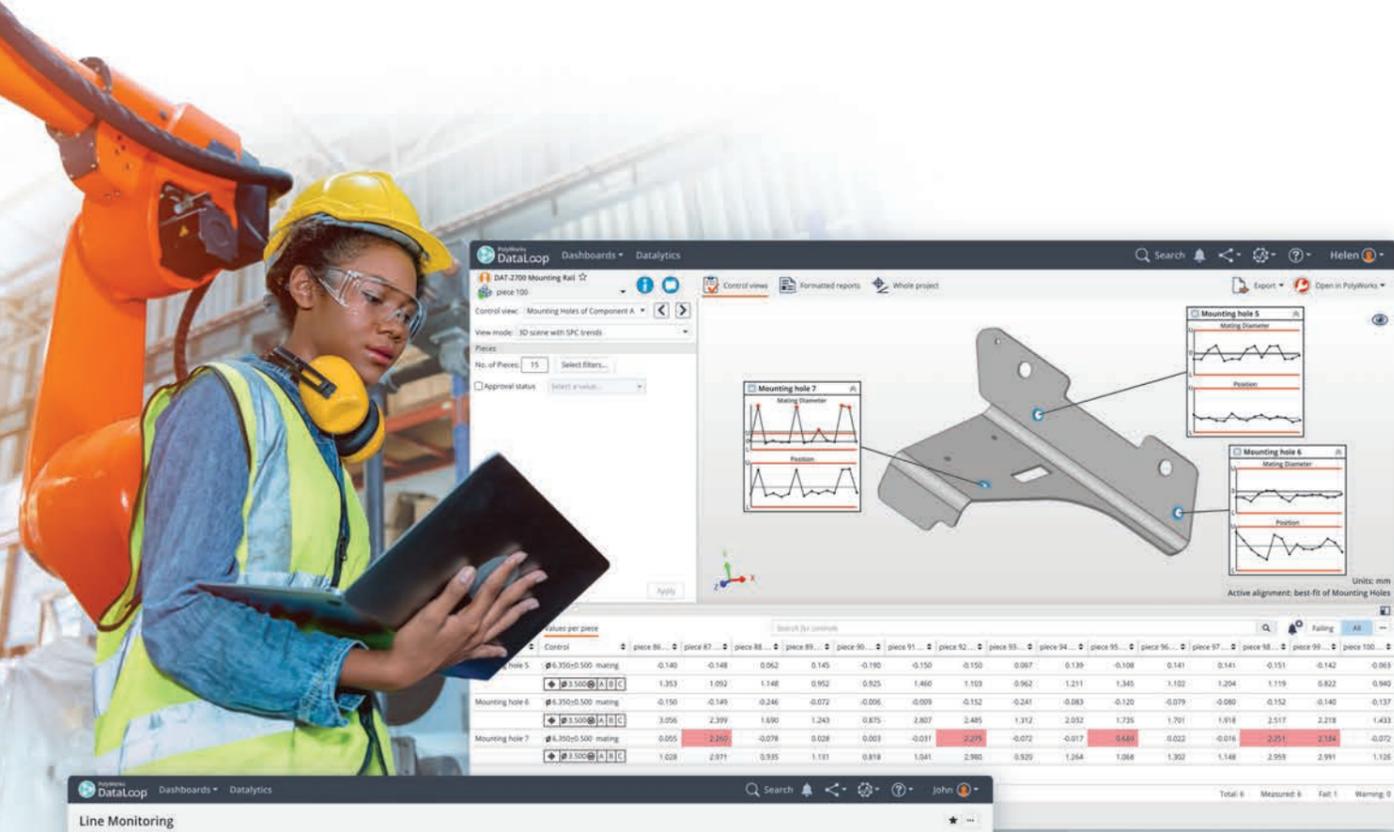
PolyWorks|DataLoop™ 2024 使您能够充分发挥云存储的优势:

- ▶ 建立高度可扩展的基础设施,即时满足存储需求
- ▶ 跨多个数据中心自动复制数据文件,确保可靠性
- ▶ 无损地部署经济高效的存储解决方案

# 创建基于Web的3D测量数据库自定义视图

通过在Excel中创建的大量标准的和有特殊用途的窗口部件,在标准Web浏览器中查看3D测量结果。

- ▶ 横向水平显示一个或多个工件的3D测量结果
- ▶ 在仪表板中创建不限数量的窗口部件
- ▶ 充分利用Excel丰富的数学和图表功能



**Line Monitoring**

Hole Position Trends

Position Scatterplots

TOP TEN Ppk Issues

#	Object	Control	Ppk	Mean	Range
1	Angle of circular slot	3D Angle 1	0.022	-0.496	0.198
2	Internal angle upper and lower flange	3D Angle 2	1.830	-0.747	0.594
3	Flange Thickness 2	3D Distance	3.236	-0.195	0.131
4	Step Height	Z Distance	5.405	-0.178	0.016
5	profile 4	A Rad	7.961	-0.199	0.056
6	profile 3	A Rad	13.282	-0.105	0.046
7	Flange Thickness 1	3D Distance	14.489	-0.109	0.037
8	profile 2	A Rad	15.112	-0.199	0.027
9	profile 1	A Rad	15.967	-0.160	0.030

Ppk Analysis

Ppk < 1	# / 13	%
1 > Ppk < 1.33	0	0%
1.33 > Ppk < 1.67	0	0%
Ppk > 1.67	12	92%

Documentation Slide Deck

Inspector  
Weekly Measurement Methodology and Performance Tracking Slide Deck

Non-Conformance Report (Latest)

MACHINING EXPERTS INC  
Non-Conformance Report

PSB Number: 16723.8 PA or TA Number: 64720  
Report Number: 572

# 发现并及时解决制造问题

PolyWorks | DataLoop Web Interface通过快速突出问题趋势并提供关联的统计分析,可促进根源分析。在2024版中,您可以:

- ▶ 使用我们的本地功能分析工具箱 (现在也包括正态概率图) 以确定您的流程是否受控和稳定
- ▶ 使用t测试分析测量值相对于期望值的分布,以确定测量值是否与预期值有显著差异

Control: 22.557 +/- .030 Height - Length

The analysis detected a significant difference between the sample values and the target values for at least one factor category.

- The test results should be accurate.
- The samples are large enough to perform the analysis.
- The factor Tooling # was analyzed.
- A one-sample t-test was performed using a target mean value of 22.5681.
- A one-sample standard deviation test was performed using a target standard deviation value of 0.0125.

The one-sample t-test found that there is a statistically significant difference between the sample mean of the factor (22.5633) and the target mean (22.5681).

The one-sample standard deviation test found that there is no statistically significant difference between the sample standard deviation of the factor (0.0108) and the target standard deviation (0.0125).

Root cause analysis

Analyze if the factor

Tooling #

is associated with the quality indicator

Magnitude of measurements

in these controls:

Gauge Measurements

The target values fit curve was plotted by using the target mean and target standard deviation with values from 22.5119 and 22.6243.

The one-sample t-test found that there is a statistically significant difference between the sample mean of the factor (22.5749) and the target mean (22.5681).

The one-sample standard deviation test found that there is a statistically significant difference between the sample standard deviation of the factor (0.0087) and the target standard deviation (0.0125).

The target values fit curve was plotted by using the target mean and target standard deviation with values from 22.5119 and 22.6243.



# 精确配置数据管理系统的访问权限

安全策略允许制造企业控制谁可以访问数据, 以及可以对数据进行什么操作。2024版允许PolyWorks | DataLoop用户:

- ▶ 通过为不同部门、业务领域或外部供应商分配不同的存储空间, 实施数据访问策略
- ▶ 根据现有的策略创建新的策略, 并通过指定的权限来丰富策略内容, 从而高效地定义安全策略



公司总部

**innovmetric**

InnovMetric Software Inc.  
1-418-688-2061  
info@innovmetric.com

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中国子公司

**polyworks**  
shanghai

博力加软件(上海)有限公司  
电话: 86-21-6226-1617  
info@polyworks.com.cn  
www.polyworks.com.cn