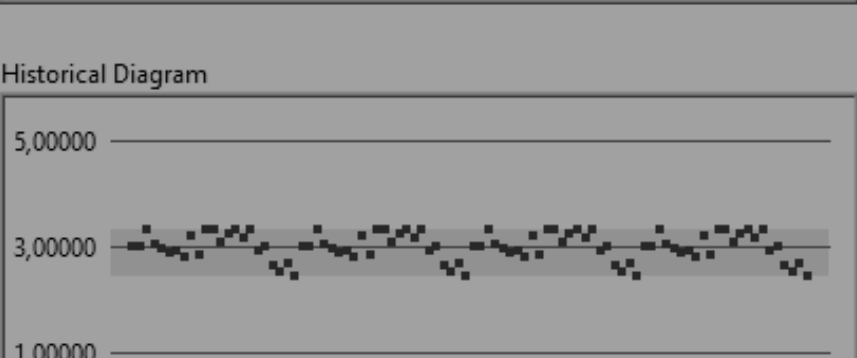
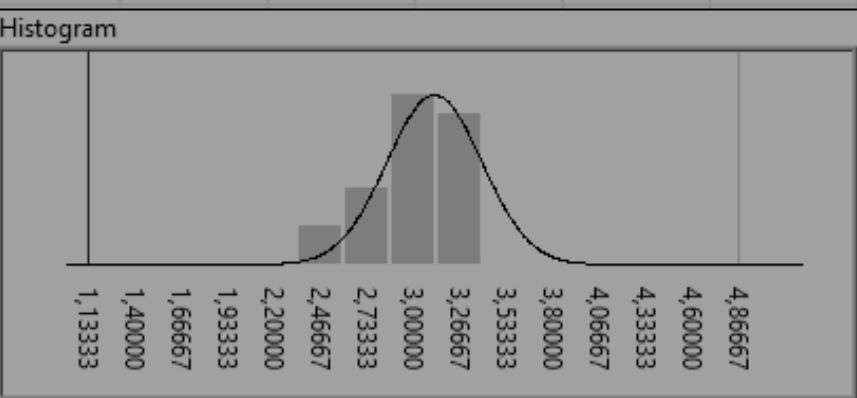


ace		CPK Analysis		R&R Report						
Unit	Compari:	Low Limi	High Lim	Pass/All	Min.	Max.	Avg.	Std. Dev.	CP	CPK
/	GELE	1.000000	5.000000	4 / 4	3.006116	3.006116	3.006116	0.000000	Inf	Inf
/	GELE	1.000000	5.000000	96 / 96	1.365930	4.973806	3.350604	1.007722	0.661558	0.545585
/	GELE	1.000000	5.000000	76 / 96	4.521172	5.073646	4.788722	0.175344	3.802048	0.401645
/	GELE	1.000000	5.000000	20 / 96	3.301283	5.475572	4.878838	0.673126	0.990404	0.060000
/	GELE	1.000000	5.000000	96 / 96	2.605619	3.176519	2.864915	0.178842	3.727686	3.475909
/	GELE	1.000000	5.000000	96 / 96	2.645537	3.175463	2.947649	0.185164	3.600420	3.506176
/	GELE	1.000000	5.000000	96 / 96	2.692783	3.098550	2.913154	0.114502	5.822308	5.569486
/	GELE	1.000000	5.000000	96 / 96	2.057912	3.732310	2.980585	0.512757	1.300162	1.287540
/	GELE	1.000000	5.000000	96 / 96	2.617607	3.161732	2.899785	0.139075	4.793580	4.553386
/	GELE	1.000000	5.000000	96 / 96	2.631544	3.199840	2.906786	0.184110	3.621014	3.452250



3.083163	2.864778	0.128713	5.179467	4.829277
3.756331	2.811419	0.434700	1.533624	1.389018
3.172028	2.881975	0.178199	3.741132	3.520359
3.156202	2.831138	0.170515	3.909723	3.579621
3.066671	2.832172	0.124317	5.362634	4.912633
3.757607	3.092771	0.468404	1.423273	1.357254
3.337069	2.998778	0.258349	2.580489	2.578912



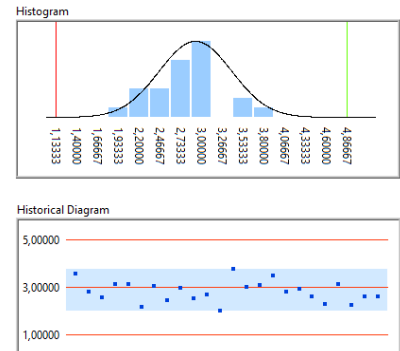
Statistical Tool

26.08.2025 v1.3



Features and Benefits

- **Problem-Free Audition Process.** All your evaluation report needs are achievable with a few clicks.
- **Data visualisation.** Automated data visualization and evaluation.
- **Prediction.** Act before the manufacturing process stops. Alarms are triggered based on the variances of indicators.
- **Flexibility.** Available as a Tester-Integrated (TI) and Standalone (SA) version.
- **Wide range of functionalities.** Database management, filtering, analysis and reporting.
- **Analysis capabilities.** C_p , C_{pk} , Gauge R&R
- **Easy Integration.** Adapters are available in Python/LabVIEW/TestStand. Ask our experts for further possibilities.

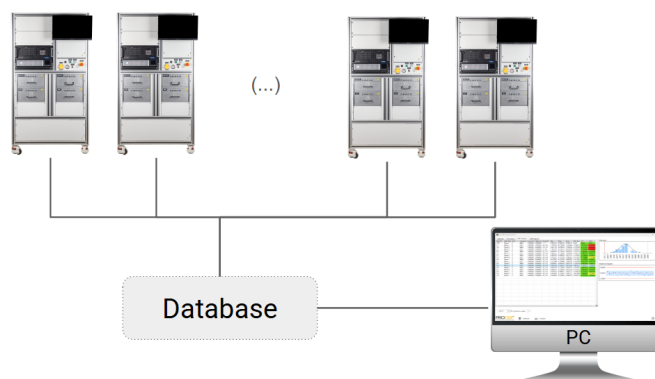


Applications

- Data Analysis
- Measurement System Analysis
- Industrial Testing

Description

The **Statistical Tool** is available in two versions: **Tester-Integrated (TI)** and **Standalone (SA)**. The TI version is a built-in module within the tester's software provided by ProDSP for the machines. The **Standalone version** can remotely oversee multiple test machines, analyzing and evaluating data from various sources.

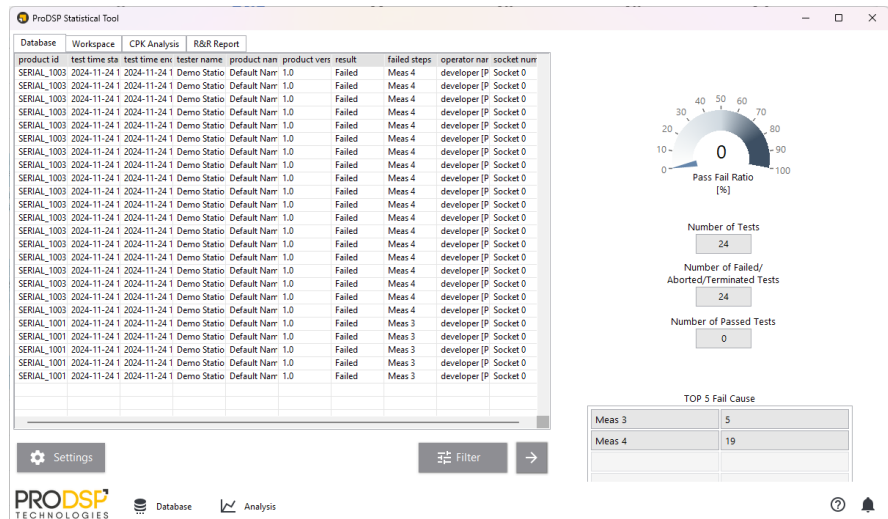


Typical architecture for a use case of SA version

Main Functionalities

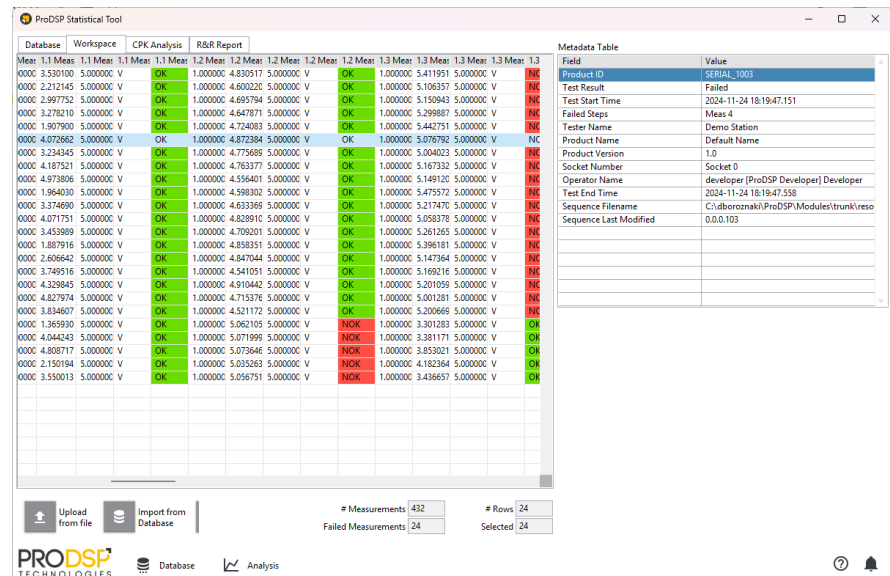
Database Management

- Import and filtering of data
- Pass/Fail calculation based of filtered data
- Top Fail Cause analysis
- Data export to Workspace



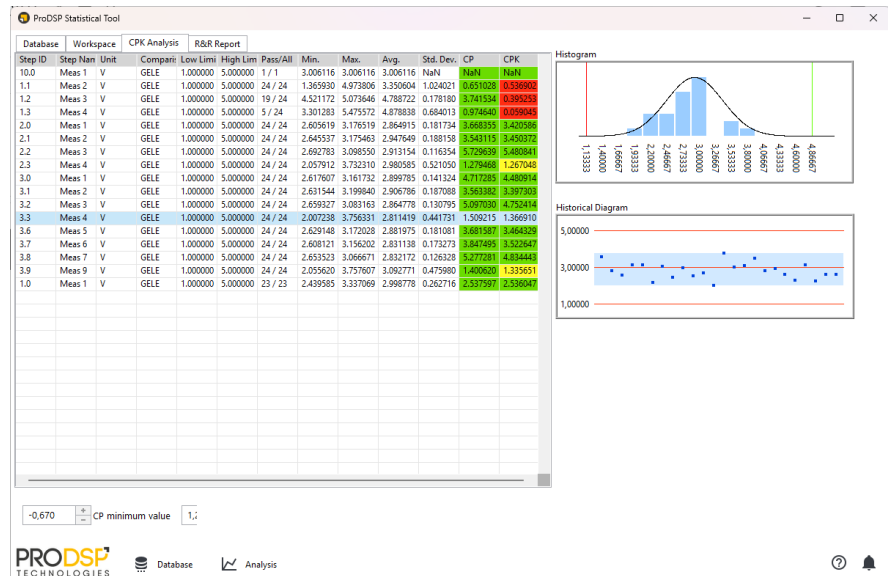
Workspace

- Visualisation of filtered data to be further analysed
- Further filtering options
- Rows: Tests, Columns: Test steps



Analysis

- Calculation of statistical indicators:
 - Min, Max
 - Average
 - Standard deviation
 - C_p
 - C_{pk}
- Histogram visualisation
- Historical Diagram
- Export report for further processing



R&R Report

- Select Data Collection Datasets from database
- Automatically arrange dataset based on time, part numbers, and further attributes
- Calculate Gauge Repeatability & Reproducibility indicators (Average and Range Method)
- Export report