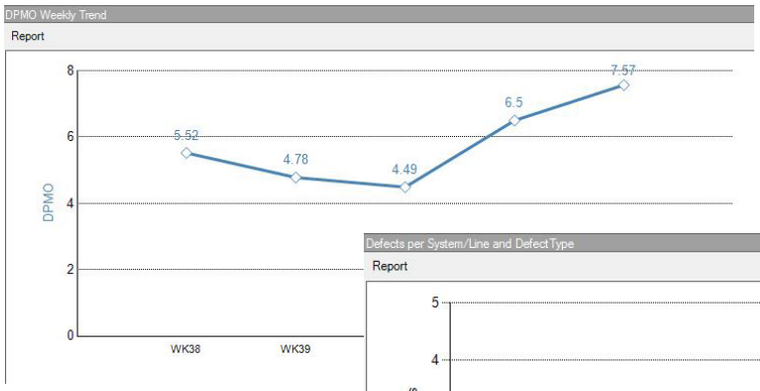
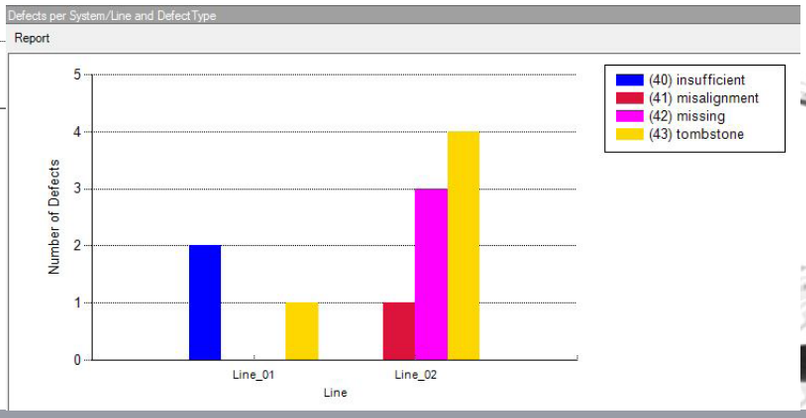
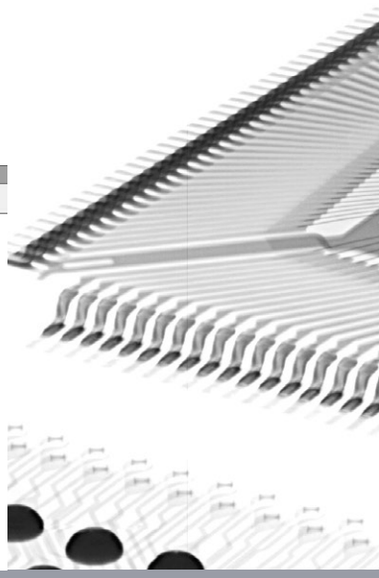






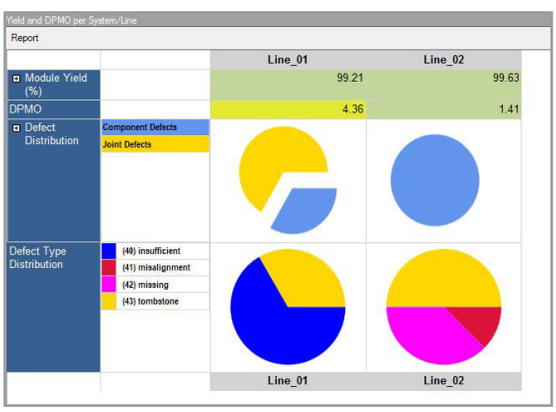
MIPS_DPMO

Statistical Tool

The **MIPS DPMO** Statistical Tool is a MatriX proprietary software unit for statistical processing of inspection data. The DPMO or defects per million opportunities value is the central quality measure, further data is evaluated around it. DPMO value incorporates the amount of all possible failures and so enables to make units with different complexity comparable.

MIPS Verify stations export inspection and verification result data into a **Microsoft SQL Server database**. A Plug-in runs statistical analysis and presents the results in tables and charts. The Plug-is used in MIPS SPC Viewer or in MIPS Tune.

Data storage in a **central database** provides high availability of data pool, large data capacity and distributed locations for both data export and statistical data analysis. Statistics are assembled based on filters. Filter criteria are a Time Frame, Products, Systems, Lines and Lots.



Features and Benefits

Measured Values

- DPMO: defects in relation to inspected items
- Module Yield: defect-free modules in relation to inspected modules
- Trend for DPMO and Yield over the last weeks

Visualization and localization of defects

- Drilldown tables list number of defects per triple combinations of Defect Types, Partnumber, Product, System/Line, Shape
- Charts illustrate defect distribution over Defect Types, Products, Lines
- Inspection results of single barcodes

Export of analysis results

- PC-Station with multi-core processor setup
- Tables and charts can be written to files in Word, Excel or PDF format
- Report generation for comfortable export of certain results collection
- Export of raw data table in Excel format for individual post processing

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