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maXYmos Analyzer

Type 2850A

Software for offline analysis of maXYmos process data

The maXYmos Analyzer is the official offline analysis software for cyclic data recorded with the maXYmos device family.

Benefits of maXYmos Analyzer:
- Faster troubleshooting – filter NOK cases and inspect root causes in seconds
- Clear process understanding through visual EO marks and interactive cursors
- Reliable capability statements (Cp/Cpk) without additional software
- Saves time compared to Excel or custom scripts, especially with high data volume

Description
The maXYmos Analyzer enables users to view, compare and evaluate measurement curves independently from the device – ideal for production, analysis and troubleshooting workflows.

Based on proven jBEAM technology, it provides fast, reliable curve visualization, native support for maXYmos Evaluation Objects (EOs), and statistical functions including process capability values (Cp/Cpk).

The software supports CSV and XML exports from maXYmos BL, TL and NC, ensuring consistent evaluation results across devices, processes and production steps.

Main features
- Native maXYmos file support (CSV/XML), incl. correct EO visualization
- Interactive curve view with cursor inspection, EO highlighting and bundle overlays
- Filtering by result (OK/NOK) and measurement point (MP) for fast troubleshooting
- Statistical evaluation per measurement and bundle, including Cp/Cpk
- Official ecosystem tool with workflow-based UI for production and service roles
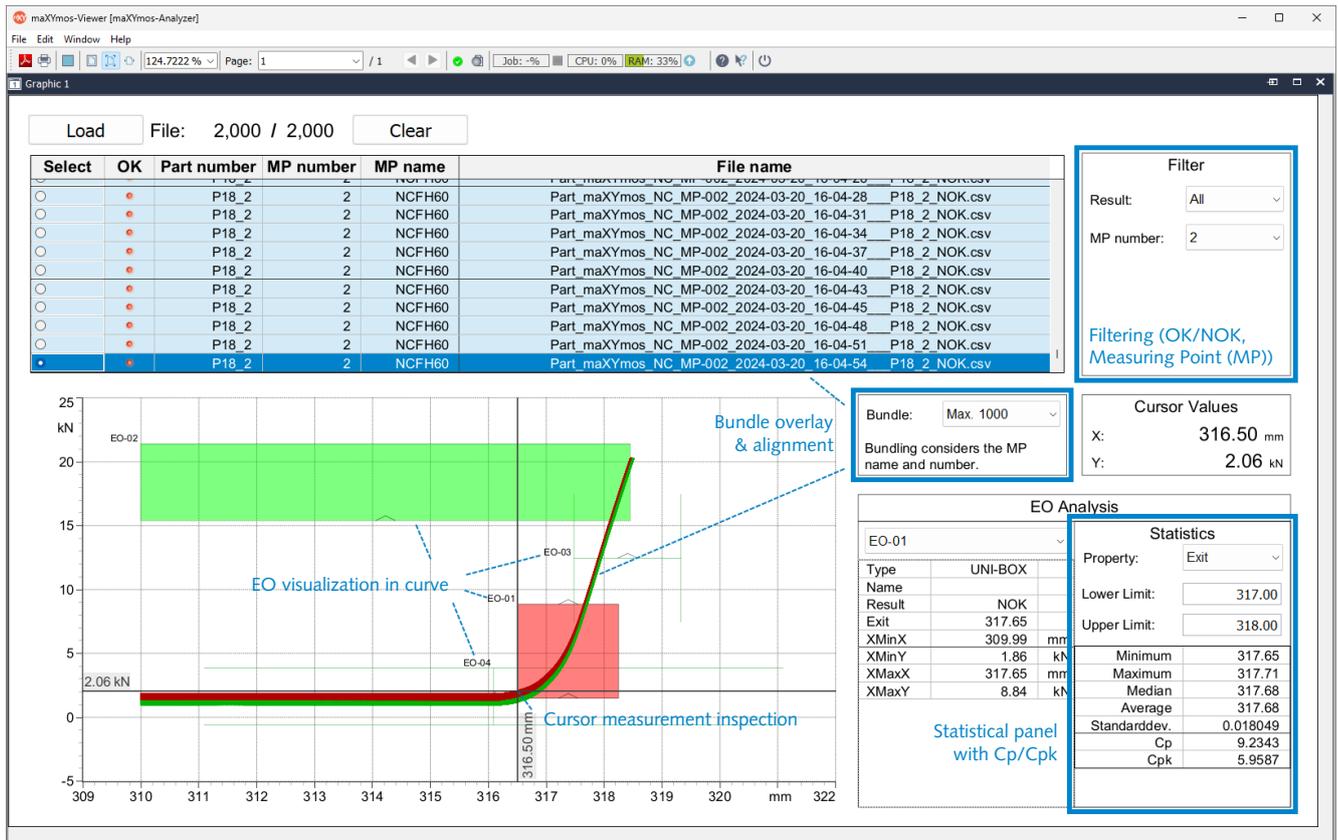

System requirements and recommendations
The system requirements for maXYmos Analyzer mainly depend on the number and size of cycles to be analyzed. The following configuration covers most typical use cases.

Component	Minimum	Recommended
Operating system	Windows 10	Windows 11
CPU	Dual-core, ~2.0GHz	Quad-core, ~2.5GHz or higher
RAM	8GB	16GB
Storage	1GB free for installation + space for measurement data	SSD≥10GB free
Display	1920x1080/Full HD	Full HD or higher, dual monitors
Network	Not required for normal operation (offline analysis)	Internet access for license activation & software updates (optional)

Typical applications
- Production quality assurance: validating process stability (OK/NOK + Cp/Cpk)
- Commissioning and optimization: tuning limits and EO parameters
- Service and troubleshooting: analyzing deviations without device access
- Training and documentation: using recorded data for onboarding and audits

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Supported devices & data formats

- maXYmos BL (Type 5867), TL/TL ML (Type 5877), NC (Type 5847)
- CSV and XML formats exported from the device (firmware V1.7x (TL/NC) and V25.1.0 (BL) or newer)

Analysis & visualization

- 2D visualization (e.g. force-displacement)
- Interactive curve inspection with analysis cursor and EO highlighting
- EO visualization and OK/NOK visual feedback
- Bundle overlays for assessing process stability
- Filtering by OK/NOK result and MP

Statistics & reporting

- Count, Min, Max, Median, Standard deviation
- Process capability indices (Cp/Cpk)
- PDF export for documentation

Licensing & delivery

- Initial license model: Perpetual node-locked license (subscription/floating options coming soon)
- No user registration required
- Delivery format: Download
- Activation via Kistler licensing infrastructure
- Maintenance and updates according to software policy

Role/Function	Relevance
Production engineer	★ ★ ★ ★ ★
Quality engineer	★ ★ ★ ★ ★
Service/Maintenance	★ ★ ★ ★ ☆
Process optimization/R&D lab	★ ★ ★ ★ ☆
Machine builder support	★ ★ ★ ☆ ☆

Excel/Scripts vs. maXYmos Analyzer

Criteria	Excel/Scripts	maXYmos Analyzer
EO visualization	✘ Not supported	✓
Bundle overlays	⚠ Manual effort	✓
Cp/Cpk analysis	⚠ Expertise needed	✓
OK/NOK filtering	⚠ Manually only	✓
Audit-ready reporting	⚠ Manually only	✓
Technical support	✘ Not included	✓

Ordering key   Type 2850A1

2850A_003-754e-12.25

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