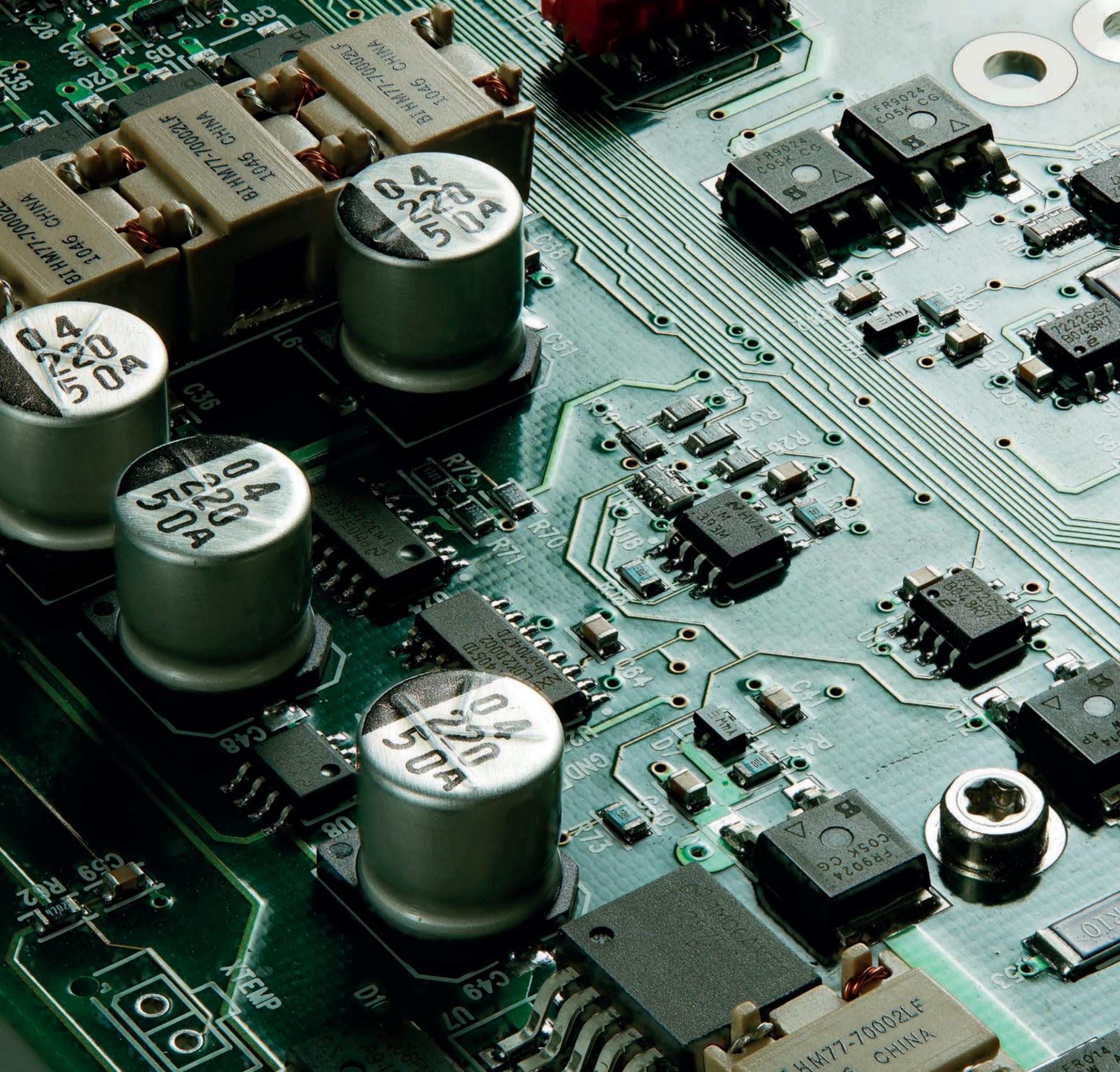# Enhanced process control
through better inspection data

Mycronic inspection solutions MYPro Link™ software suite

One step **closer to perfect**

In a perfect world, there would be no defects. Every PCB would come off the line looking and working just as its designers intended. At Mycronic we believe in that perfect future. And with powerful tools to prevent defects at their source, we bring you one step closer to it.

As a global supplier in 3D AOI and 3D SPI, Mycronic's inspection solutions have long been at the forefront of this evolution, consistently leading the field with new innovations in high-precision metrology, inspection coverage and data analysis. Now part of the MYPro Line, these state-of-the-art inspection solutions make the path from inspection data to actionable insights shorter than ever before.

It's one more part of Mycronic 4.0. And one more step towards perfection.

Welcome to a **new era**
in process control

The MYPro Link process control software suite helps to achieve new levels of product quality and process automation. A real-time web-based interface for unified SPI and AOI data, its rapid data correlation and analysis delivers powerful possibilities for measuring, controlling and anticipating process variations.

MYPro Create
- Ensures unified referential for SPI/AOI
- Enables quick programming, correlated review & analysis

MYPro Review
- Review your process in 3D
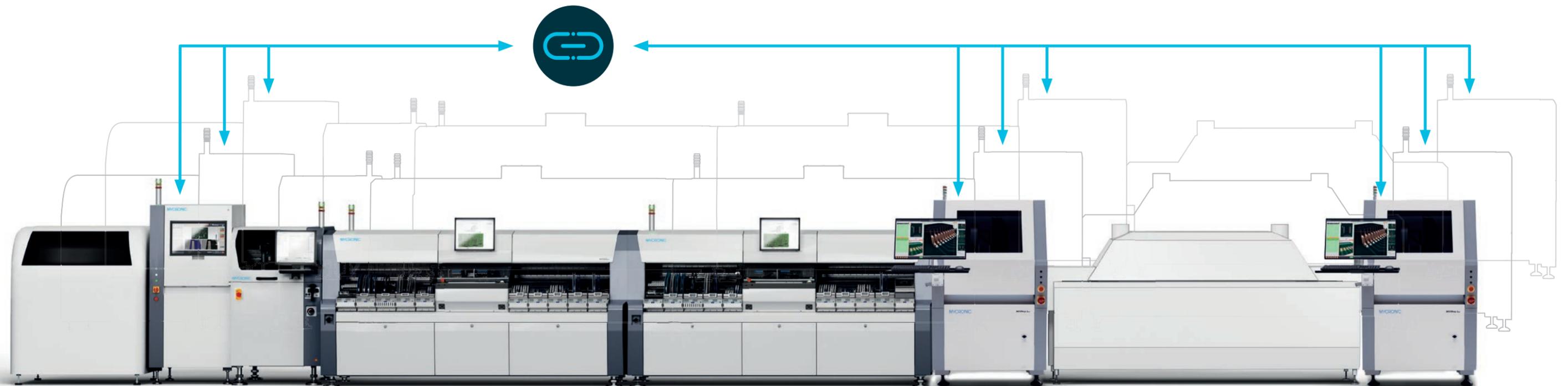- Focus on the most relevant details with high-quality defect images

MYPro Live
- View your entire SMT process in real time
- Improve quality and drive immediate corrective action

MYPro Analyze
- Analyze your process at a glance
- Identify recurrent process detractors

MYPro Correlate
- Optimize your line inspection strategy
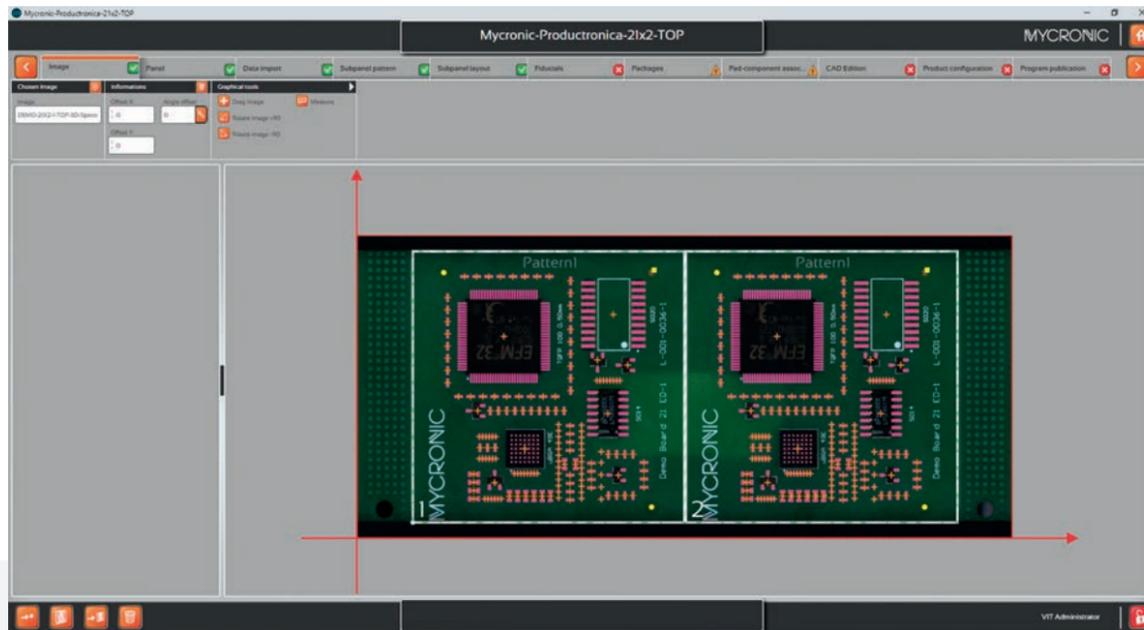- Correlate SPI/AOI defects, minimize review and expand coverage

Easy programming with
MYPro Create

MYPro Create is your central console for programming your Mycronic SPI and AOI inspection equipment simultaneously. MYPro Create generates inspection files from standard Gerber and CAD data which simplifies data preparation. Assisted by artificial intelligence, inspection equipment programming time is drastically reduced, by up to 30% on AOI, while ensuring database uniformity between all SPI and AOI in operation.

MYPro Create

- Integrated one-stop data import software for both SPI/AOI for data correlation & traceability
- Variants management to ease program management in high-mix environments
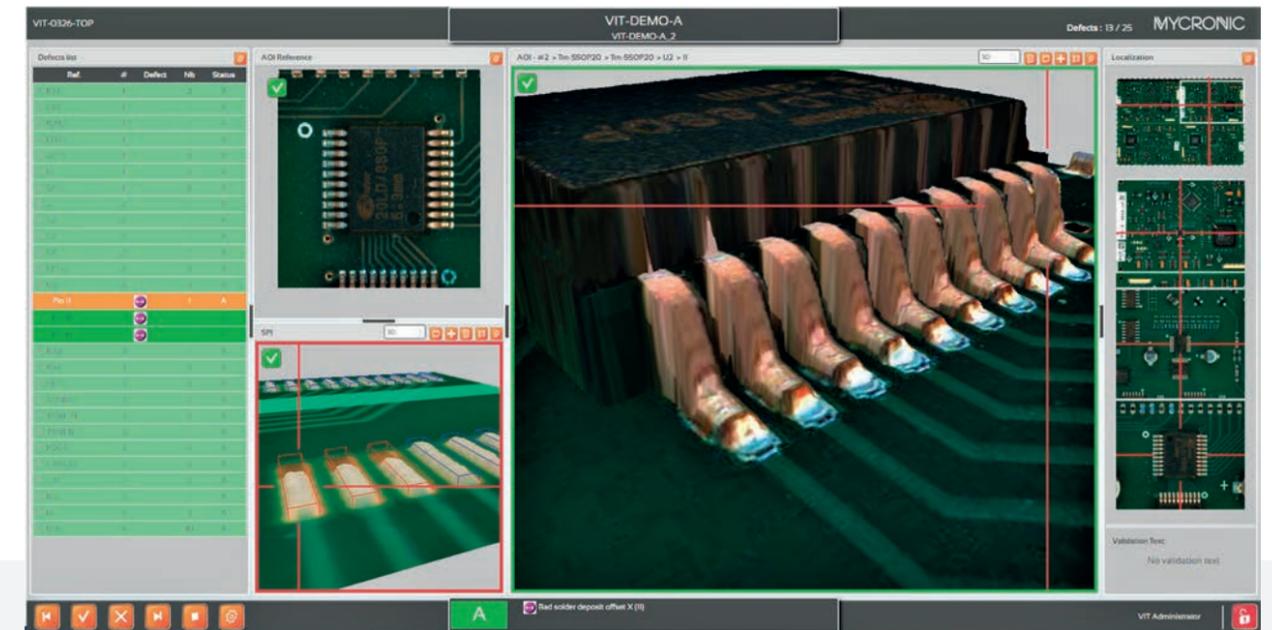- Intuitive, easy to use and to maintain

Common programming for your Mycronic SPI and AOI inspection equipment.

Results at a glance with
MYPro Review

MYPro Review gives operators an easy way to make pass/fail diagnoses at a glance. By automatically correlating SPI and AOI results into a single on-screen overview, it not only provides a highly accurate and simplifed defect classification system, but also helps fine-tuning SPI tolerances for optimal first-pass yield.

MYPro Review

- Review high-quality 3D defect images to localize defects at a glance
- Easy classification using reference images
- Use IPC or user-defined defect categories
- Speed up reaction times with pre-defined corrective action messages
- Optimize review environment with customized screen layouts

Correlated SPI and AOI review provides a broader understanding of inspection performances.

Real-time yield management with
MYPro Live

The MYPro Live module instantly highlights production deviations and trends, allowing you to take immediate action to improve your yield. Thanks to intuitive web-based and mobile interfaces, it enhances agile yield management with a range of real-time insights.

MYPro Live

- Monitor key process indicators at SPI or AOI from anywhere, including on mobile devices
- Track the root cause of process deviations
- Remotely monitor your entire shop floor
- Display actionable information to your operators
- Eliminate waste

First-pass yield is improving despite some occasional real and false defects.

Powerful yield improvement with
MYPro Analyze

MYPro Analyze enables continuous yield improvement using powerful data mining algorithms and root cause investigation. The beauty of MYPro Analyze resides in its intuitive and extremely precise drill-down feature which allows to identify in a few clicks the root causes of a defect.

MYPro Analyze

- View FPY, FTY and DPMO calculations
- Monitor process capabilities including uptime and downtime trends
- Generate daily, weekly or monthly quality reports to support 8D problem-solving and lean initiatives

Print process quality has improved over the period but excessive warnings show we are operating close to process limits.

Optimized process control with
MYPro Correlate

The MYPro Line module ensures that process control tolerances are optimized at all steps by correlating SPI and AOI defect information. This makes it possible to substantially improve line efficiency while expanding defect coverage and minimizing operator review.

MYPro Correlate

- Adjust SPI and AOI program tolerances based on accurate data and images
- Eliminate false sanctions by operators
- Build process knowledge by tracing defect evolution along the line

With a clear, simultaneous and detailed view on your SPI and AOI activity, you know how to improve your SMT line's efficiency in real-time.

Specifications

Server configuration	Core i5 minimum, 16Gb RAM, ethernet 100Mbits/s Graphic card (1 Gb min, 2 Gb for optimal performance)
Operating system	Windows 10 or later
Data base	SQL server compliant
Screen configuration	22" wide screen with 1,680 x 1,050 resolution

Bringing tomorrow's electronics to life

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