

AGENDA

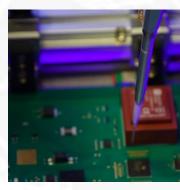
09:45	Welcome		
10:00	Inspection Xpress	First Article Inspection 100% Visual board Analysis for first-board inspection but also for prototyping, small-series production, and final quality control.	
10:35	Göpel electronics	3D AOI for SPI, SMT and THT 3D AOI inspection of solder paste, components and solder joints. Create new AOI programs in less than ½ hour!	
11:20	Comet Yxlon	X-Ray Inspection Technology 2D, 2.5D and 3D X-Ray technology for inspecting solder joints on top and bottom without any interference.	
12:00	Lunch		
12:45	Workshops and Live Demonstrations		
	Inspection Xpress Scanner 12:45 – 13:30	Göpel 3D AOI Basic Line 13:30 – 14:30	Yxlon Cheetah X-Ray & CT 14:30 – 15:30
		The control of	
15:30		Closing and Drinks	

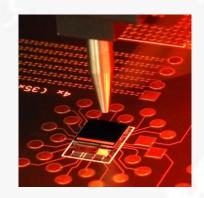
COMPANY PROFILE













Accelonix delivers innovative solutions to electronics organisations around the world www.accelonix.nl

ACCELONIX GROUP

Since 1993

Independent European distribution group

Industry leading suppliers and technology

Highly trained and technical staff providing local and group support

Offices in Benelux, France, UK, Italy, Tunisia and China

70 employees



Part of Accelonix Group since 2000

Central Eindhoven Airport location in Benelux

10 employees

Experienced service/application engineers

Demonstration, training and application center

Highly interactive and strong relationships with customer and equipment manufacturers

Long-term, excellent equipment support



OUR CUSTOMERS







Industry



R & D / Academia







Automotive



Transport

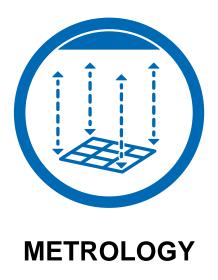


Our Solutions

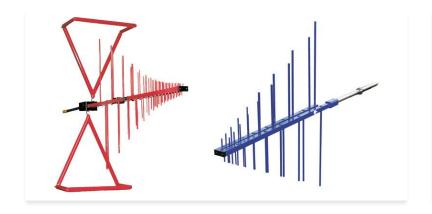
















Antennas, Masts, Positioners & Probes

Amplifiers & Pre-Amps

Chambers & systems

















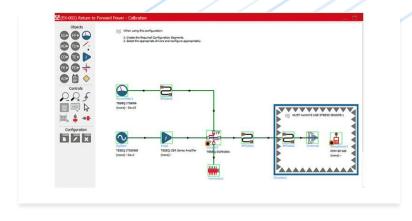












Harmonics & Flicker

Automotive EMC

EMC Software





























EMI & Tempest Filters

GTEM & Test Cells

MIL STD Test





























RF Coupling Networks & Devices

RF LISN & ISN

RF Immunity Test



























Transient Immunity Test



RF Emission Test

























EMI Receivers



Test & Measurement













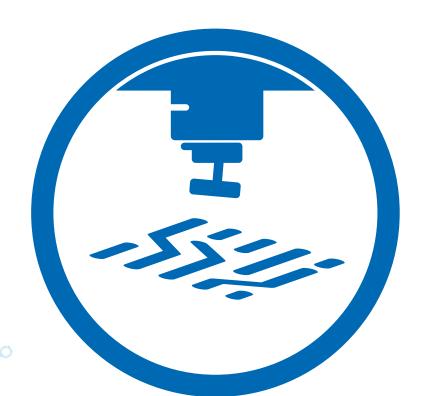








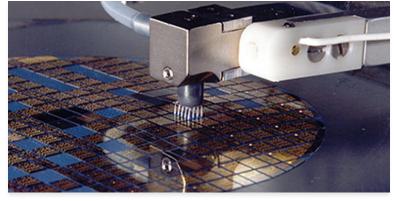


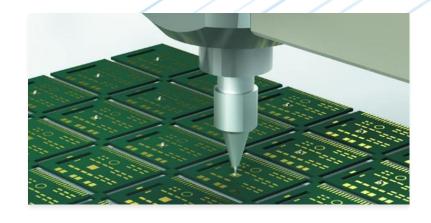


MICRO & POWER ELECTRONICS ASSEMBLY

Micro | Power Electronics Packaging Solutions







Dicing Die Sorting Dispensing













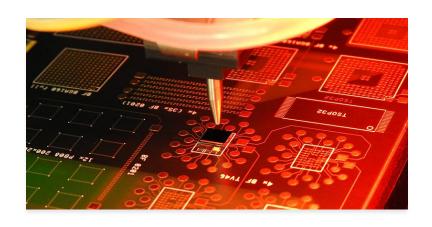




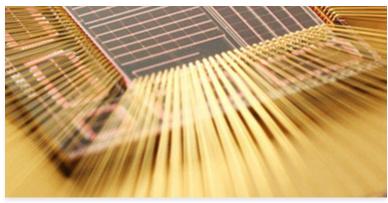




Micro | Power Electronics Packaging Solutions







Wire Bonding



Battery / High Power Bonders













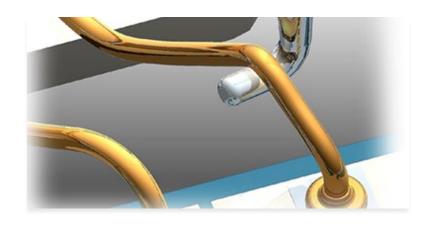


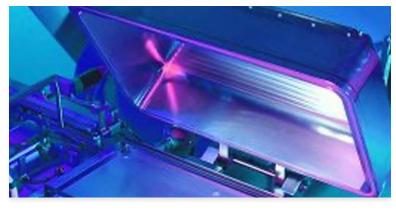






Micro | Power Electronics Packaging Solutions







Bond Testing

Plasma Cleaning

Consumables











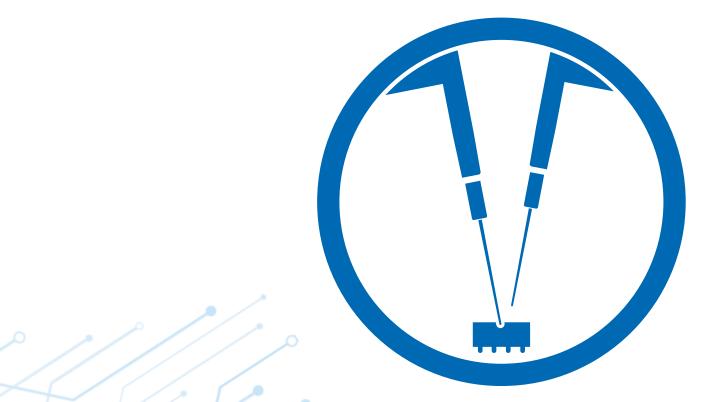












PCBA INSPECTION & TEST

PCBA Test & Inspection Solutions



3D AOI & SPI



Embedded JTAG Bscan Test In-System Programming



Device Programming



















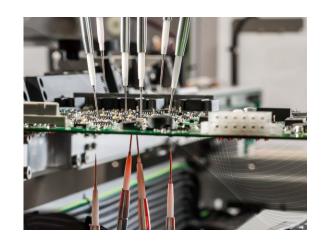




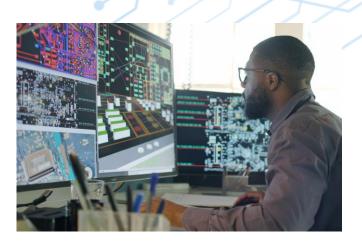
PCBA Test & Inspection Solutions



FA & Visual Inspection



Flying Probe Test Standalone & Inline



DfT, DfM, Test Coverage, NPI, Repair & Traceability Software















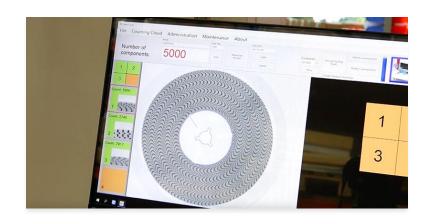




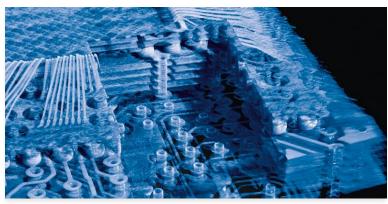




PCBA Test & Inspection Solutions



X-Ray Component Counting



X-Ray Inspection Manual & Inline



Repair & Troubleshoot



















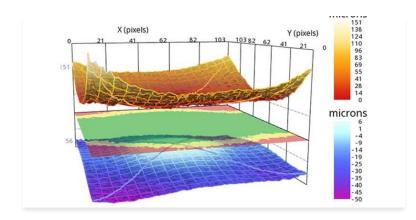




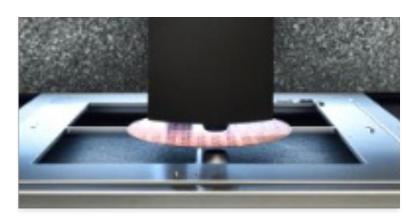


METROLOGY

Metrology Solutions



Thermal Warpage and Strain Metrololy



3D Non-Contact Surface Metrology



X-Ray and CT Metrology (Computed Tomography)









SERVICES AND SUPPORT

Services and Support









Equipment Rental

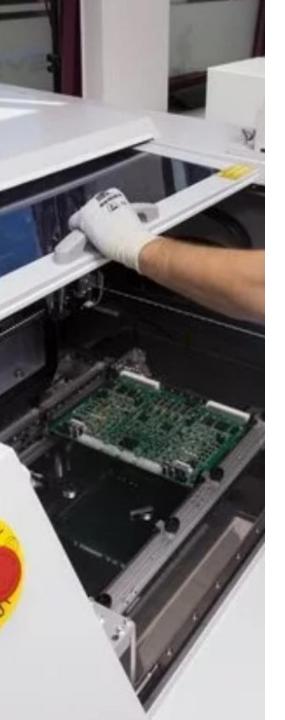


Repair & Calibration



Training Consultancy





Support

New Equipment

- Pre-installation Requirement
- Installation and Commissioning
- Training and Application Support

Life Cycle Support

- Calibration and Preventive Maintenance
- Repair
- Support Contracts: including telephone, e-mail and swift on-site support
- Upgrades and Updates



Production Services

Local based production services

- Wire Bonding and Die Bonding Prototyping
- Battery Bonding
- X-ray 2D, 2.5D & 3D Inspection Service
- Flying Probe Test and JTAG/Bscan Testing

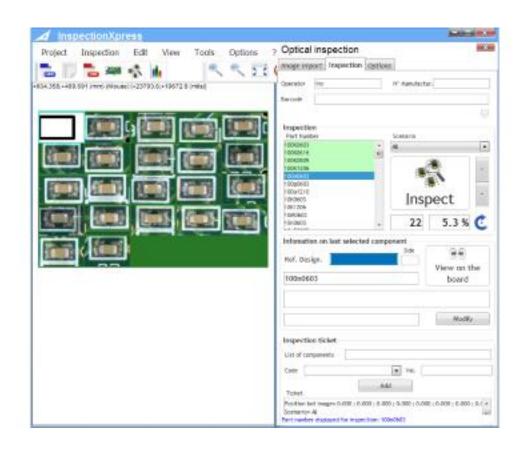
Rental

EMC Generators, RF Amplifiers

- Solution provider
- Cross-Sell Complementary products, creating bundled solutions to meet wider range of customer needs.
- Technical skilled and trained Sales and Service personal with many year experience operating in Electronics industry and local market expertise.
- Intensive customer contact
- Excellent after sales support and services
- Streamline communication between manufacturer and the target market.



Accelonix Inspection Xpress



Inspection Xpress is a powerful solution for the visual inspection of first article, prototypes, small-series production, sampling and Final Inspection.

- Inspection Xpress Reduces Inspection Time
- •Uses a Unique way to Display Components during Inspection
- Integrated scanner or external imaging system
- Works with almost all image formats
- Cost Effective

Goepel Automated Optical Inspection

Inline and Standalone SPI and AOI Systems for 3D, 2D, and angled camera's.

Optimized Systems for THT Inspection.

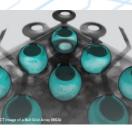


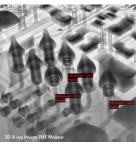
- New 3D AOI module with real 3D measurement of solder joints and components without shadowing effects
- Stable inspection with almost zero false call and pseudo error rate.
- MagicClick automated inspection program generation in minutes
- High end camera modules including illumination from Infrared to Ultraviolet and 3D/2D Angled View Inspection over 360°
- PILOT AOI software with powerful functions for component recognition, solder joint and short inspection, OCR, color verification as well as solder paste inspection.

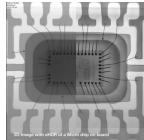
X-Ray Inspection c•met yxlon

- Fast X-ray InspectionSolutions for 2D, 3D and laminography
- Easy and intuitive operation
- FeinFocus X-ray tube technology
- High Power Target technology
- Finely calibrated, long-life flat-panel detector
- Manipulator with cushioned bearings
- Variety of sample tables
- 2D, 2.5D and 3D images with extremely high resolution
- Accurate void detection, including multi area voiding
- Fast, automated, easy ADR routines
- Very fast live (on the fly) inspections
- CT and microCT module for in-depth 3D examination via virtual cross sections and layers
- QuickScan® module, for 3D images and virtual slices within a minute.



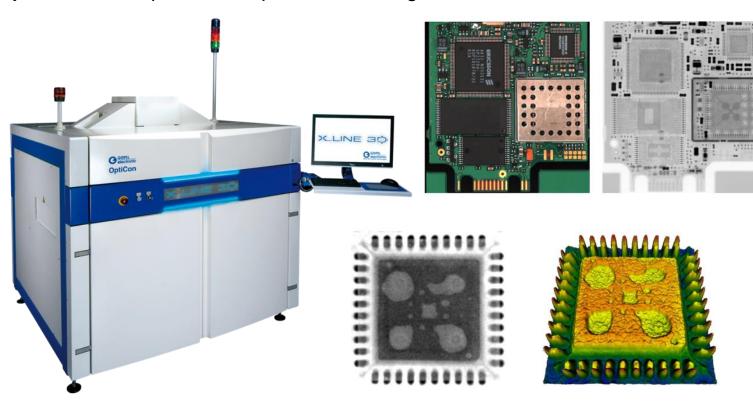






Goepel Automated X-Ray (& AOI) Inspection

Inline AX(O)I System for 2D and 3D X-ray Inspection of (hidden) solder joints and components. Optional AOI integration.

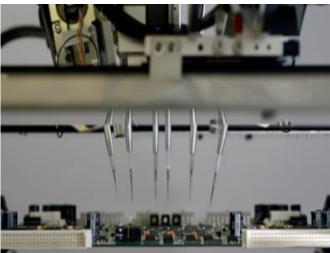


- Revolutionary GigaPixel technology with realtime multi angle image recording for fastest test speed at full 3D PCB capturing.
- Solder joints analysis on various levels and determine the wetting state.
- Reconstruction processes with tomosynthesis.
- Simultaneous inspection of top and bottom side of a double sided PCB.
- Reduced PCB handling time of 5 s
- Software XI-PILOT with Algorithm library suitable for all common components.
- Combination with AOI inspection module in 1 system.

Takaya Flying Probe Test

New generation flying probe test system high test speed, positioning accuracy and test coverage. Facilitates testing for R&D prototypes and NPI up to low-volume productions.

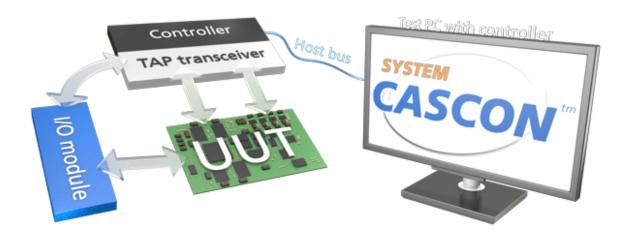




- Flying 4-Head and 6 Z-Mechanisms
- Highly Accurate Measurement System
- Strong and Rigid XY Stage
- Ultrafast Test Speed
- Color Camera System and Real Map Software
- Easy and User Friendly Software and Security Function
- Attenuating Contact Pressure of Probes
- Versatile Test Options, including Optical Test,
 Sensor test and more
- In-Line System

Goepel JTAG/Boundary Scan

CASCON GALAXY Boundary scan test and programming suite. With unique JTAG/Boundary Scan programming language, extensive Library and Push button ATPG tool. Including Emulation Test (VarioTAP) en embedded instrumentation (ChipVorx). Features Automatic fault diagnosis on pin level.



- Wide range of hardware controllers, TAP interfaces and I/O Modules
- Full software support by JTAG/Boundary Scan development environment SYSTEM CASCON
- Scalable TCK frequency up to 100MHz
- Applicable for Standard Boundary Scan test, insystem programming (ISP) and in-system configuration (ISC)
- Easy integration based on preconfigured plugins (NI LabView, TestStand, other ATE)
- Universal solutions for laboratory and production

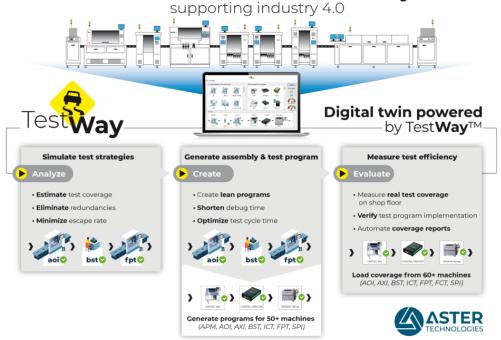


FlashFOX New generation stand-alone flash programmer for production

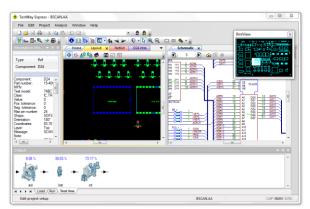
Aster twExpress

Powerfull manufacturing engineering tools that combine early DFM and DFT with smart NPI tools, including testcoverage analysis. Based on production yield calculations it is possible to optimize and combine various types of inspection and test strategies within an integrated productionflow.

Software solutions for PCB Assembly & Test

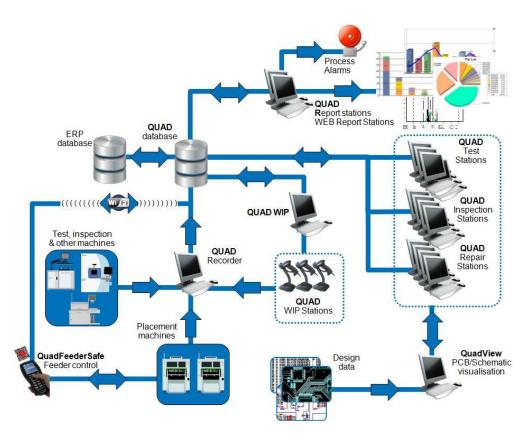


- Board, CAD & System visualization
- DfX rules checking
- Test coverage estimation & measurement
- Functional test coverage declaration
- Test Probe Analyzer & Test point saving
- Test and Assembly Machine Interfaces
- Shop floor documentation
- Advanced reporting
- Test Cost modeling
- Fault ticket viewer with Repair & Diagnostic aid



Aster Quad

Flexible modular Quality Management system, providing traceability, for the PCB electronic production data.



QuadRecorder

automatically collect data from sources on your shop floor. Once the data is collected, the tools can be applied for paperless inspection, test, diagnosis and repair.

QuadFeederSafe

for production component management, feeder management, loading management and component traceability.

QuadWIP

for board or batch location and timing checks.

QuadReports and QuadWebReports

for production and publication of real time reports and alarms.

Quad-DPMO

extracts the true Defect Per Million Opportunities from the traceability database, built from the production line.

Data I/O Device Programming



For nearly 40 years, Data I/O Corporation has been the world leader in the manufacture, distribution and service of innovative solutions for programmable devices.

- PSV-series: Fully automated programming
- FlashPAK: Versatile device programmer
- LumenX: Large density Flash, eMMC devices

Engineered for speed and accuracy, the PSV3500/5000/7000





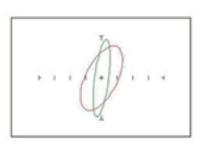
Huntron Repair and Troubleshoot

Power-off Diagnostic Tools for PCBA

Troubleshooting.

- ASA technology
- Benchtop trackers
- Robotic Probers
- Workstation software
- Integrations







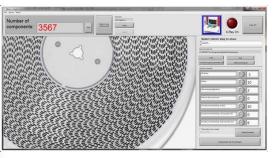


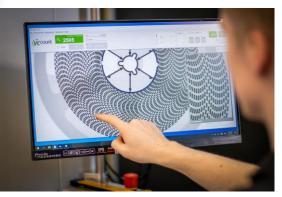
XRH Count Component inventory counting

XRHCount is a compact X-ray unit to count all common and most special SMT component-types on reels with a diameter up to 400mm.

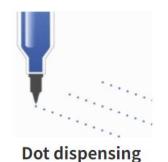
- Counting of components in Reels, Trays, Sticks, Bags
- Multiple Reel Counting
- Automatic barcode recognition
- Recognition of odd shapes
- Splicing Detection
- 8,5 sec. cycle time
- Statistic suite
- MES Connection



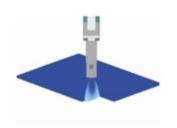




Musashi Engineering Coating, Dispensing & Jetting Equipment







coating



Filling











Desktop Robot with PC Controlled Image Recognition Function 350PCSmart

SMQX



Fully automatic





Fully Automatic Substrate Coating Machine FCD1000

Musashi Engineering provides an abundant lineup of products including dispensing head controllers as a core of the dispensing system, desktop robots that control precision dispensing, fully automatic dispensing and coating devices, and parts such as nozzles and syringes.



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