

Press Release

Exciting Control Show with Numerous Novelties from Yxlon

Hamburg, 10 May 2019: At this year's Control in Stuttgart, Yxlon presented innovations for both the classic NDT and manufacturing electronics sectors. In live presentations of the YXLON FF35 CT system, the new release of the Geminyl-based, high-resolution computed tomography system family was presented. In addition, a brand-new ADR function (Automatic Defect Recognition) on the YXLON Cheetah EVO Plus microfocus X-ray system was demonstrated, which is intended to ensure reliable test results and greater efficiency, particularly in the electronics sector.

Many innovations and advancements in the new release of the high-resolution YXLON FF20, 35 and 85 CT systems serve to improve the extraordinary image quality even further, enhance the system flexibility, and increase operator comfort. With its active area of 430 x 430 mm, the new detector offers an above-average field of view with the standard circular scan. The new vertical field-of-view extension further increases the flexibility of the systems. As a result, with the FF20 CT it is now possible to measure components up to approx. 280 mm in diameter and 430 mm in height, and with the FF35 CT up to approx. 510 mm in diameter and 600 mm in height – at high scanning speeds. Additional trajectories and reconstruction filters serve to further optimize the directly visible image quality. The revised Health-Monitor supports the operator with continuous information about the current system status. With the automatic check sequences according to ASTM E1695 or the automatic MPE check, the measuring technician can easily prove the constant measuring accuracy of the system.



Geminy-based YXLON FF35 CT convinced visitors by easy operation and outstanding inspection results



Volume Graphics Tech Talk at Yxlon on May 8th aroused great interest of Control visitors

YXLON

Technology with Passion

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The heart of the latest Yxlon CT system family is the Geminy software platform, which in 2018 received the German Innovation Award. Geminy is the first software platform to combine the control of all involved programs. In the front-end, Geminy is a clear and simple structured user interface divided across two monitors with graphic icons for touch operation. This design enables simple and intuitive operation for every user.

"The YXLON FF20 and 35 CT systems are already two of the most successful CT systems today for testing very small to medium-sized components in automotive and aircraft construction, electronics and materials science," explains Eike Frühbrodt, Vice President Yxlon Product and Project Management. "This is due to their high flexibility, outstanding, high productivity and user friendliness. Functions such as the FF35 CT's single and double tube configuration, the large number of trajectories available and the lightning-fast IntelliGuard setup function are unique."

The Cougar and Cheetah EVO X-ray system families, which are predominantly used in the electronics sector, are just as successful. With these systems, Yxlon offers a new, customer-specific ADR solution, especially for the SMT and semiconductor sectors as well as for batteries, medical needles, wire sweep and chip inspection, to name just a few applications. When it comes to testing product series or batches, automatic defect recognition not only saves time, but also delivers consistently objective and reliable results compared to manual testing. Following ADR functions for Void Calculation, Multi Area Void Calculation and BGA Inspection, Yxlon now offers the development of object-specific algorithms according to the respective customer and test requirements. In addition, the objects can be arranged on special specimen holders in larger quantities and examined and evaluated in a common test run, which means maximum at-line system efficiency.

Eike Frühbrodt is delighted about their success: "The Cougar and Cheetah EVO family has also been leading in their class for years and has received several awards. Already with ProLoop, the Yxlon X-ray system is directly linked to the line as an at-line test system. With the new ADR features, Cheetah EVO and Cougar EVO are now moving one more step further into the production line. In the spirit of Smart Factory and Industry 4.0, these systems are not just test systems, but also the tool for process optimization."

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About YXLON

YXLON International, since 2007 a company of the Comet Group, develops and manufactures X-ray and CT test systems for diverse applications and industries. Whether in aerospace, the automotive or electronics industry, our customers include some of the largest manufacturers who rely on our quality worldwide.

The name YXLON stands for safety and quality when it comes to all types of castings, tires, electronic components, turbine blades, welds and much more. Our product portfolio includes X-ray systems for installation in X-ray test rooms, universal X-ray test systems based on full-protection devices as well as customer-specific solutions. Whether operated manually, semi-automatically or fully automatically, our test systems are ideal for use in research and development and can be integrated into any production process.

CT systems have been integral to our product portfolio since 2003. Computer tomography offers three-dimensional insights into test items, this typically enabling the analysis of inner structures, dimensional measurements and target-actual comparisons of CAD data. In addition to a more accurate test assessment compared to radiography, computed tomography also provides valuable information for the production process. In addition, our microfocus systems allow detailed insights into the finest structures and smallest components.

With our Head Office in Hamburg plus sales and service locations in Yokohama, Hudson (Ohio), San Jose (California), Beijing, Shanghai and Hattingen, coupled with a network of representatives in over 50 countries, we as YXLON have a local presence for our customers worldwide.