

Press Release

Yxlon sets a new benchmark in Computed Tomography

17th February 2022: YXLON International has introduced a brand-new computed tomography system to the global market with three online events this Thursday. With its compact and durable design, the new YXLON UX50 has been developed especially for the production environment, with a specific focus on the automotive and foundry industry. The system is ideally suited for testing components of traditional drive technology as well as the growing e-mobility with its particular requirements.

With an output of 450 kV, the UX50 is suitable for testing dense and large components and offers maximum flexibility attributed to the selectable equipment of both flat-panel and/or line detectors. Regardless of the application, extensive CT techniques and image enhancement tools ensure optimal results in three-dimensional analyses. For example, the new ScatterFix 2.0 reduces interfering scattered radiation for particularly massive test parts in all CT techniques with the flat-panel detector and ensures optimum surface determination and high-quality CT data. UX50 also supports fast 2D DR inspections, using the proven HDR filter to provide high-contrast, detailed fluoroscopic images for accurate evaluation.

As with all newly released Yxlon inspection systems, UX50 is based on the user-friendly Geminy software platform. Simple operation via graphical icons, supported by various presets, menus, wizards, and automatic sequences, enables inspectors with different levels of knowledge in X-ray technology to always get the best results and increase efficiency. Future developments of Geminy will become available for the UX50 as upgrades.

With the user in mind, ergonomic considerations were a crucial part of the design and development of the UX series. The height-adjustable control panel on the system is clearly arranged with joysticks and pushbuttons even allowing for correct operation when wearing gloves. Console extension on the left or the right side allows for convenient mouse operation. Additionally, camera monitoring of the interior, an indicator of the X-ray beam by a fan-beam laser, and the safe control of the inspection part manipulator with the door open via pushbuttons on the outer wall of the cabinet are all designed to enhance the user experience.

Future upgradeability has been planned to ensure your investment security by allowing for a single detector system, be it line- or flat-panel, to be configured to a dual detector system if the need arises.

Three further dates for product presentations are scheduled for 24th February 2022.

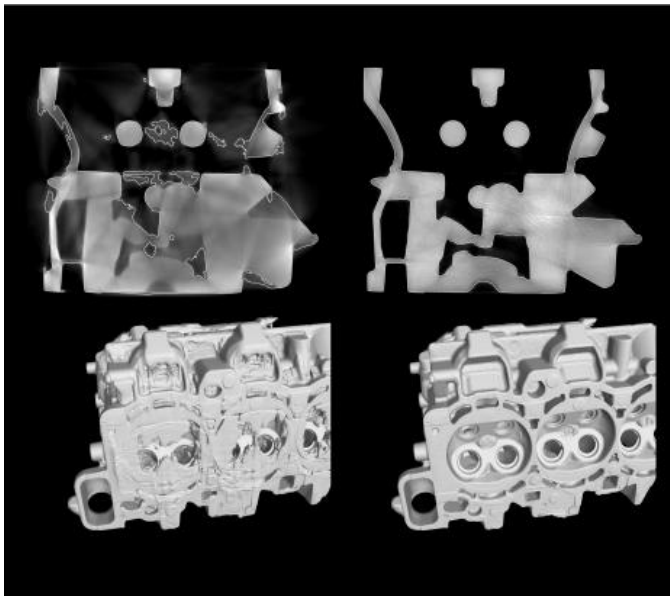
YXLON

Technology with Passion

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CT system YXLON UX50 for large and dense parts



CT scan of a cast part without (left) and with (right) ScatterFix

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About YXLON

YXLON International, a company of the Swiss Comet Group, designs and produces radioscopic and CT inspection systems for the widest variety of applications and fields. Whether situated in the aviation & aerospace, automotive or electronics industry, our customers are among the largest producers, major enterprises that place their confidence in our quality worldwide.

The name YXLON stands for quality and safety for all types of cast parts, tires, electronic components, turbine blades, welded joints and a lot more. Whether in manual, semi or fully automated operation, our inspection systems support the production and are ideal for deployment in research & development.

Computed tomography provides a three-dimensional insight into inspection items, thus enabling the analysis of inner structures, dimensional measurement tasks in metrology applications or actual-to-nominal comparisons to CAD data, to name only a few examples. Besides delivering a more precise inspection evaluation when compared with radiography, computed tomography also provides valuable information about the production process. Above and beyond such advantages, our microfocus systems permit highly detailed looks into the most intricate structures and tiniest components.

With our headquarters in Hamburg, sales and service locations in Hudson (Ohio), San Jose (California), Yokohama, Beijing, Shanghai, and Hsinshu (Taiwan), as well as a network of representatives in over 50 countries, as YXLON we're local for our customers all over the world.