

Press Release

Exploring Biological Specimens with Computed Tomography

California, September 2017: YXLON International, a company of the Swiss tech holding, COMET Group, has partnered with the California Academy of Sciences. At the end of July, YXLON lent one of their state-of-the-art computed tomography (CT) systems to the facility. The YXLON FF20 CT system will be in use at the institute until January 31st, 2018 giving interesting insights into the organisms of biological specimens.

The non-destructive nature of CT imaging technology allows for a 3 dimensional look into a myriad of industrial, biological, and historical samples and artifacts. The FF20 CT is a compact industrial CT system that is helping scientists uncover critical information about how the some 46 million specimens housed at the institute function and interrelate in nature.



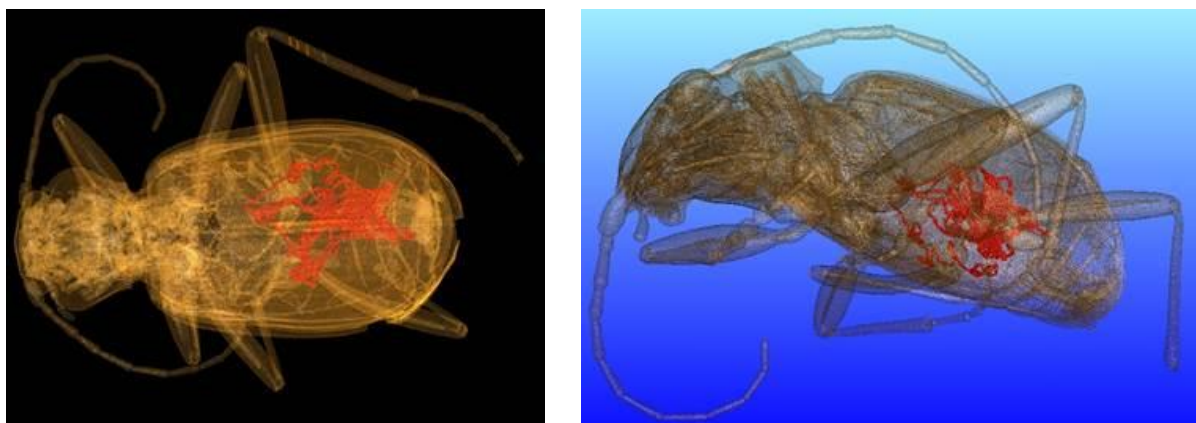
Training Workshop in the Cal Academy Project Lab
showing the ease of use of the YXLON FF20 CT system

The academy has already used the FF20 CT to produce stunning images of a variety of biological specimens and explore the natural world around us.

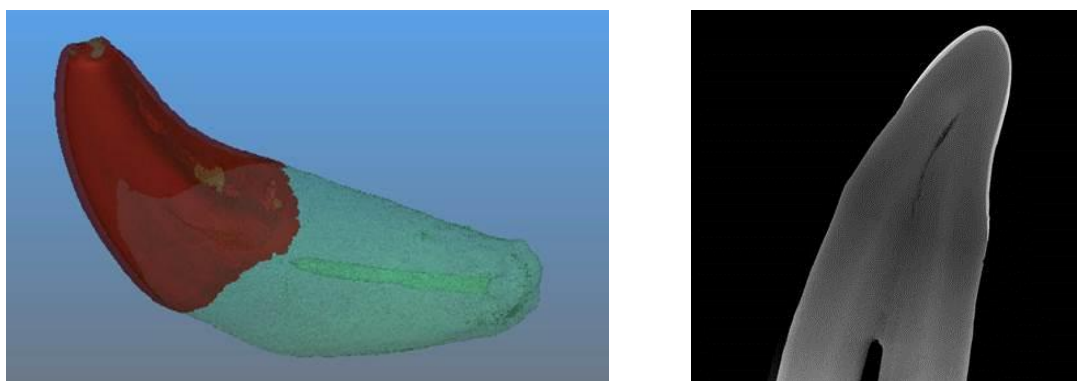
YXLON

Technology with Passion

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These are CT images of a *Nebria eschscholtzi*, a beetle native to California and the American west. They will use images like these to study different aspects of how the insect's organs function. The internal structure highlighted in red is the kidney.



Above are CT images of a juvenile California Sea Lion tooth. The left offers a view of the tooth enamel highlighted in red, and to the left is a cross sectional view of the tooth.

The future of this promising partnership looks bright, as YXLON helps California Academy of Sciences discover more about our world and all of its inhabitants.

YXLON will also be attending one of the institute's many NightLife events, Sharktoberfest, on October 5th at 6pm.

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About YXLON

Based in Hamburg, Germany, YXLON International has been designing and producing radioscopic and CT inspection systems for a variety of applications and fields for over 100 years. As of 2007, they are a member of the Swiss tech holding, COMET Group, and currently have subsidiaries in Tokyo, Ohio, California, Beijing, Shanghai, Hattingen, and Heilbronn, as well as a network of representatives in over 50 countries worldwide.

About The California Academy of Sciences

The California Academy of Sciences is a natural history museum in San Francisco, California, that is among the largest museums of natural history in the world, housing over 46 million specimens. The facility is home to an aquarium, planetarium, and museum, and is dedicated to explaining, exploring, and sustaining life on Earth.