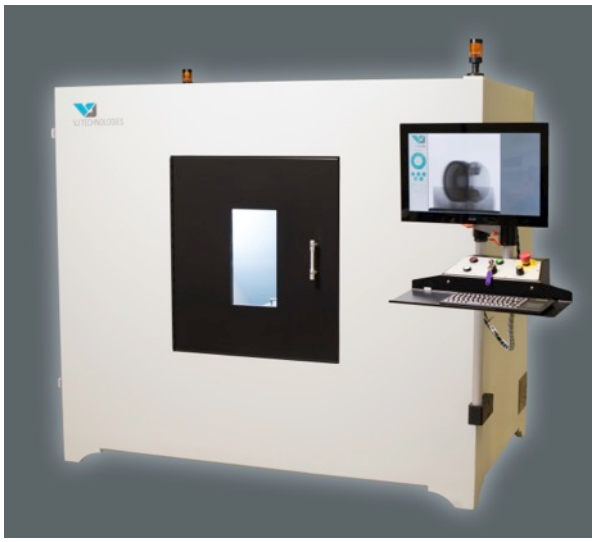
PRESS RELEASE

World Premiere: "ValuCT" Delivers New Price-Performance Model for Industrial NDT

Erlangen/Munich, June 6, 2016 – WCNDT, booth no. FE 23: world premiere at the World Congress for Non-Destructive Testing in Munich: in cooperation with the American enterprise VJ Technologies the Development Center for X-ray Technology EZRT of the Fraunhofer Institute for Integrated Circuits IIS presents the cost-effective One-Click-CT System "ValuCT" The system provides two- and three-dimensional X-ray images with only one touch of a button – without any previous knowledge on the part of the user, dramatically reducing training and operating costs. The product is debuting at the WCNDT Conference in the VJ Technologies booth no. FE 23 First Floor Foyer from June 13 to 17.



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Besides numerous adjustment possibilities modern single-lens reflex cameras are provided with an automatic mode enabling beginners without any previous knowledge to take photographs of high technical quality. VJ Technologies and the Fraunhofer Development Center for X-ray Technology worked together to deliver this cost-effective one-click computed tomography system. "The new system is priced at the cost of traditional DR NDT systems with the ability to deliver high quality 3D CT images, it really is a breakthrough for the industry, states Vijay Alreja, CEO of The VJ Group.

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Fully Functional Capabilities, Plus Simple Operations

Obtaining the optimum X-ray image is a science in itself. It usually requires specialize skills and many small adjustments to achieve ideal images. The one-click computed tomography system uses new algorithms and technologies to literally "take charge" of the technical direction of all of this: an innovative user interface provides operators with easy to use predefined programs to optimize the image acquisition. Thus, the system creates images with parameters optimally adjusted to the test object, reconstructs a 3D model from hundreds of individual images and evaluates it fully automatically, in just seconds.

The maintenance-free components of the "Valu**CT**" are manufactured by VJ Technologies from one source and are thus optimally compatible. The X-ray source is operated at an output of 500 watts and a voltage of 180 kV together with the detector at a resolution of 190 micrometers. It is possible to examine objects of a maximum diameter of 20 centimeters at an object height of maximally 50 centimeters.

Numerous possible applications

The system is suitable for any possible application of modern X-ray technology – whether reverse engineering, precise location of faults or metrology.

In particular small and medium-sized companies of the producing industry will benefit from the "Valu**CT**": "We subjected the system to extensive tests in our laboratories using CFRP or aluminum components that can be easily radiographed as test specimens. Both the test results and the data quality were constantly at a high level", reports Markus Eberhorn, head of the group "Computed Tomography Systems".

IN COOPERATION WITH

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Fraunhofer-Development Center X-ray Technology EZRT

The Fraunhofer Development Center X-ray Technology EZRT, a division of the Fraunhofer Institute for Integrated Circuits IIS, is working in close cooperation with the Fraunhofer Institute for Nondestructive Testing IZFP in Saarbrücken. Fraunhofer EZRT is an internationally leading research and development center in the area of non-destructive monitoring along the entire materials value chain of the product life cycle, ranging from raw materials via production towards recycling. Fraunhofer EZRT is defining and advancing the state of the art in this area, especially by applying imaging X-ray and magnetic resonance techniques as well as optical inspection technologies. The research areas include sensor systems, simulation for data acquisition, image

processing for data enhancement and evaluation (metadata acquisition), system development, metrology as well as applications and training. According to the Fraunhofer mission EZRT is positioning itself between basic research in the area of non-destructive imaging and industrial utilization in cooperation with end customers and OEMs. In order to enhance the competitive situation of the Bavarian, German and European economy and to develop new markets and fields of applications Fraunhofer EZRT is developing application-oriented solutions up to turnkey prototype systems. If required, we also assist our partners when transferring those to volume production.

VJ Technologies

Custom imaging software and hardware products, solutions and services for industry and government

Founded in 1987, VJ Technologies is a leading global provider of X-ray inspection solutions. We apply our radioscopic digital imaging expertise to government agencies and nondestructive testing (NDT) markets throughout the world.

VJT develops and manufactures a complete line of automated, manual, and turnkey X-ray inspection systems. Our primary market sectors include: aerospace, automotive, electronics, remediation, nuclear, oil & gas, and pipe & weld applications. VJT X-ray inspection systems are used for radioscopic inspection of products and assemblies to detect defects or foreign matter, reducing cost and time while increasing quality and safety.

VJT delivers a competitive advantage over other companies through our network of global offices. In the 21st century, VJT continues to nurture emerging technologies and provide solutions for global customers.