

# X-Cube CT Add-On

Now with phoenix|x-ray CT Technology

- Fast, straightforward CT-Inspection
- Mixed Radioscopy/Computer Tomography (CT) Mode
- Based on standard components of the X-Cube system
- Down to 100 µm voxel resolution within the part\*

\* Depending on the actual image set-up components

The new X-Cube CT Add-on feature for mixed 2D/3D inspection transforms this universal radioscopic inspection system into an even more versatile inspection solution. Using 3D cone-beam computer tomography the evaluation of the resulting volumetric data can be done in a fast and easy way. Making use of the entirely digital imaging chain, the CT Add-on ensures high contrast resolution of fine details down to 100 µm within the part.

The 3D|arv CT program manages the automated image acquisition, reconstruction as well as visualization of the data. It offers all necessary functions for a fast evaluation via an easy-to-use and intuitive graphical user interface. The integrated 3D|arv CT Software also optimizes the image quality. Furthermore, additional, mechanical means are used to lock and control the part manipulation. By using special system-calibration tools, the precision of the CT scan can be improved even further.



3D|arv GUI

## System requirements

VISTALUX 9S3 HR (1k)  
VISTAPLUS V digital image enhancement- and analysis system  
X-Cube incl. GEFanuc controls

## Performance data \*

FOV	Approx. 100 mm x 90 mm (HxD)
Voxel resolution	Typically between 100 µm – 200 µm
Magnification	1.3 - 2.5
Acquisition time	12 min. for 600 projections at 32 frames integration
Reconstruction	10 min. for 600 x 600 x 500 pixel volume at 600 projections



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