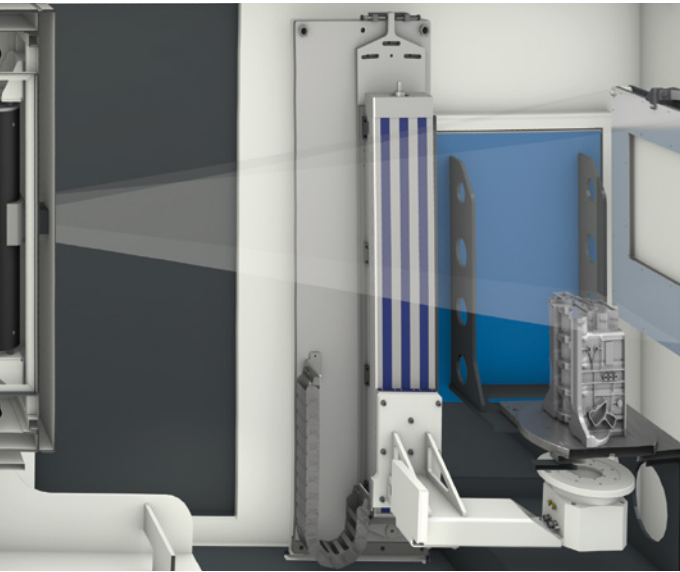


## HeiDetect FX InlineCT



## HeiDetect FX InlineCT



### Fast – flexible – efficient

With up to 450kV acceleration voltage and a possible inline testing time of less than 60 seconds, the HeiDetect FX InlineCT is probably the fastest inline CT system for testing large volume components.

### Flexible and fully automatic

The HeiDetect FX InlineCT is a fully automatic inline CT test system for workpieces with different sizes and weights, for example cylinder heads, crank-cases, gearboxes and structural components.

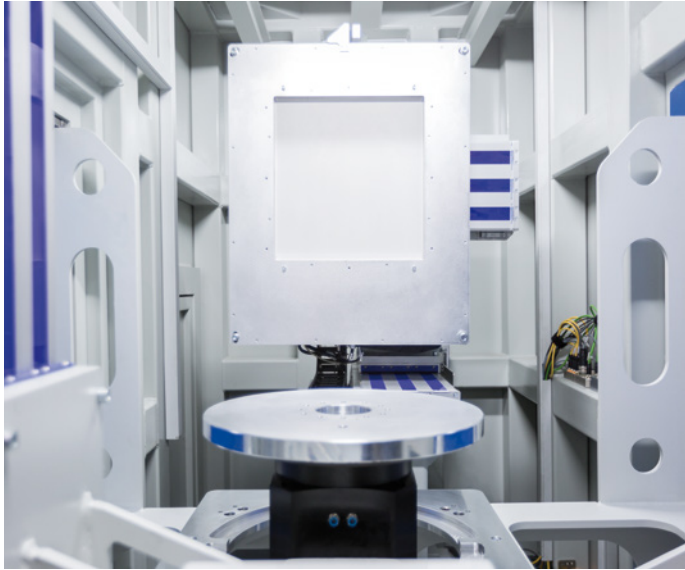
The system consists of a compact X-ray cabin with a linear shuttle for workpieces, a lift/rotating unit for the CT scan as well as a detector and an X-ray tube, which can be adjusted to the testing task.

With our image capturing software HeiControl and a variable analysis software for 3D testing, an analysis of the data is possible by the customer itself. New workpiece data can be entered and workpiece changes can be edited on site by the customer.

### Your advantages at a glance

- › 100% testing directly in the production line
- › Reduction in rejects through determination of the form and position of defects before processing
- › Expandable system concept customised to the customer definitions
- › Software for automatic testing and component changes
- › Data connection to graphic reporting systems and quality databases possible
- › No changes on factory-side workpiece carriers necessary
- › Robust construction of the CT components (few moving parts)
- › Stationary X-ray source, no moved HV cables or similar
- › Detector with linear movement by +220 mm (Optional: Measurement extension)
- › Compact and space-saving radiation shielded cabin
- › Inline CT and automation from one source
- › Automatic filter change
- › Automatic collimator change
- › Integrated scatter correction

## FULLY AUTOMATIC INLINE CT SYSTEM



### Technical data

Test system		Detector** (Varex XRD 1621)	
Length	4,000 mm	Active surface	400 x 400 mm
Width	4,200 mm	Pixel size	200 - 400 µm
Height	2,550 mm	Detector** (Fraunhofer XEye 5040)	
Weight	25 t	Active surface	500 x 400 mm
Max. workpiece size	Height: 800 mm Width: 650 mm (to feed in) Rotation diameter: 720 mm (655 mm*)	Pixel size	100 - 400 µm
Max. workpiece weight	100 kg	X-Ray tube***	
Ambient temperature	up to 50 °C	Manufacturer	COMET / Varex
		Tube voltage	225 - 450 kV
		Tube power	1.5 - 1.8 kW

\*If part has to fit fully on detector

\*\*Optionally, further detectors (also various sizes) are possible

\*\*\*Other tubes optionally available



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