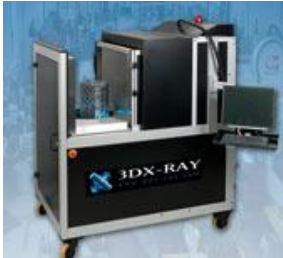


## MDXi internal 3D x-ray measurements of Components

**Advanced, mobile and cost-effective automated inspection, QC and SPC**



MDXi, from 3DX-Ray, is a fully integrated, transportable, turn-key, high-resolution x-ray inspection, measurement and vision system that offers advanced 2D, 3D and tomographic X-ray imaging capabilities, measurements and fault detection. Its novel and patented dual detector array means it costs considerably less than conventional systems.

The MDXi can provide batch or 100%, fully automated inspection, of a range of components from aluminum cylinder heads to catalytic converters. It can measure and check internal tolerances, alignments, dimensions, coatings and even the presence of previously undetectable contaminants such as soot in a catalytic converter.

The modular design and compact size of the system (1.4m x 1.0m footprint) allows it to be either fixed or wheeled around a production line, R&D or QC facility. Resolution can be as fine as 100 microns and it is sensitive enough to detect and measure plastic components inside a plastic or metal casing, yet powerful enough to image an aluminum car engine block or see through 20mm of solid steel.

The MDXi is available with a wide range of dedicated software modules including 2D and 3D imaging, tomography, image analysis, fault detection, 3D measurement and QC. It can be run both stand alone or linked to an external QC or SPC system.

### To find out more

X-ray inspection requirements for industry are very varied. 3DX-Ray Ltd will discuss your specific requirements with you and carry out an evaluation to ensure that you receive the best information and advice on equipment to meet your needs.

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