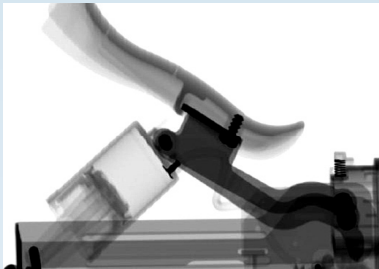


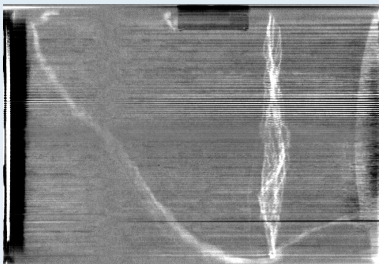
MDXi

X-RAY INSPECTION IMAGE ANALYSIS
QUALITY CONTROL

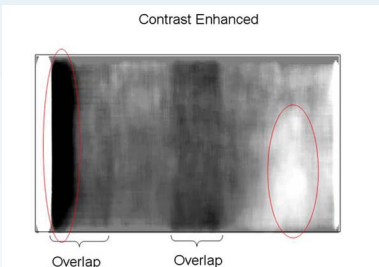
Cabinet x-ray system



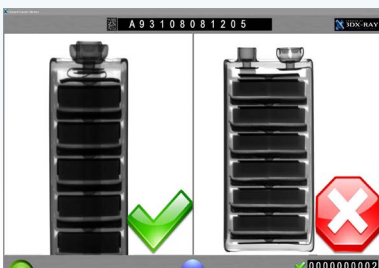
X-ray confirming integrity of product



X-ray showing crack in component



X-ray shows coating overlap and void



Real-time pass/fail decisions

MDXi

MDXi is a high resolution turnkey x-ray inspection system suitable for stand alone use or production line integration.

Detect, Measure, Analyse

- Correct alignment
- Correct size
- Correct assembly
- Defects
- Contamination
- Coatings
- Presence/absence

Features

- Automated analysis to provide real-time pass/fail decisions
- High quality data for export to QC/SCADA/SPC systems
- Integration with factory systems
- 24/7 support available

MDXi is available as a stand-alone unit suitable for batch or pilot plant processing and laboratory testing, or can be integrated into a production line for 100% inspection at full production line speeds

Suitable for products up to 400mm x 420mm (diameter x height) the system offers multiple view capability and will be configured to provide optimum resolution for your application.

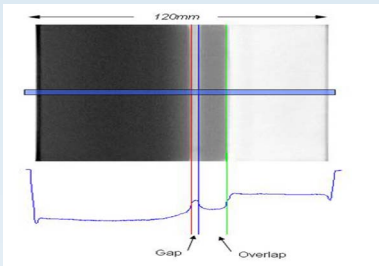
High Quality Data for quality assurance and process control

- Automated analysis to provide real-time pass/fail decisions
- High quality data for export to QC/SCADA/SPC systems
- Integration with factory systems

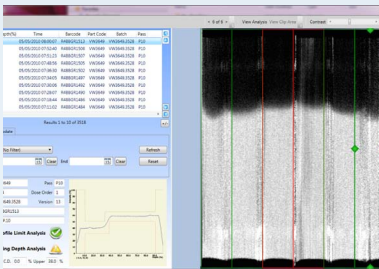
MDXi offers the capability to detect, measure and analyse features hidden from view and confirm the quality, integrity and safety of your product.



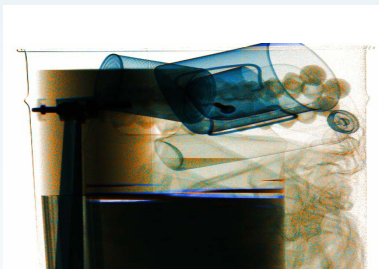
Sample for x-ray



Analysis of x-ray image



High quality data output for process control



X-ray of assorted waste in drum



MDXi turnkey x-ray system for laboratories and production lines

Technical specification	
MDXi systems are configured to the specific customer application and requirements. The specification given below is for a typical configuration.	
X-Ray Detector Panel	
Type	Linear PIN photodiode array
Pixel options	800µm, 400µm, or 200µm
Dynamic range	4096 (12 bit)
X-Ray Generator	
Type	Typically 150kV, 1.2mA
Power	180 to 640 Watt
System	
Power	110/220v AC, 50/60 Hz
IP rating	IP55
Metalwork	Powder coated mild steel , or stainless steel (option)
Dimensions	960mm x 395mm x 1753mm (width x depth x height) typical, (dependant on configuration required)
Weight	300kg - 899kg (dependant on configuration required)
Sample handling	
Sample size (maximum)	400mm x 420mm (diameter x height)
Stage motion	Vertical and rotational
Handling	Manual, robot or pick and place
System Control	
PC	19" rack mounted
PC operating system	Windows XP embedded
System control	PLC
Network interface	Ethernet IP-PLC-PLC Ethernet control link Ethernet - SQL link via LAN
Operator interface	LCD screen/ keyboard. Optional HMI panel
Sample Door	Manual (standard) or automatic with PLC control (optional)
Data Storage	
Hardware	Factory network or external PC
Software	Customer defined SQL Database
Environmental	
Operating temperature	0°C to +40°C
Survival temperature	-40°C to +80°C
Relative Humidity	5% to 95% non-condensing
WEEE Regulation	WEEE/AH0116XU
Safety & Standards	
	CE Marked
	Designed to meet Ionising Radiation Regulations, 1999, UK
	FCC PT 15 107/109

In the interest of product development, 3DX-Ray reserves the right to change specifications without notice.

About 3DX-RAY

3DX-Ray design and manufacture a range of innovative x-ray inspection products for the industrial and security markets. 3DX-Ray products combine high quality images with powerful image processing software.

Our industrial systems help to ensure the integrity, quality and safety of products. We offer stand alone units for batch and pilot plant processing and laboratory testing, and in-line systems which can be integrated into the production line to offer 100% inspection capability at full production line speeds.

