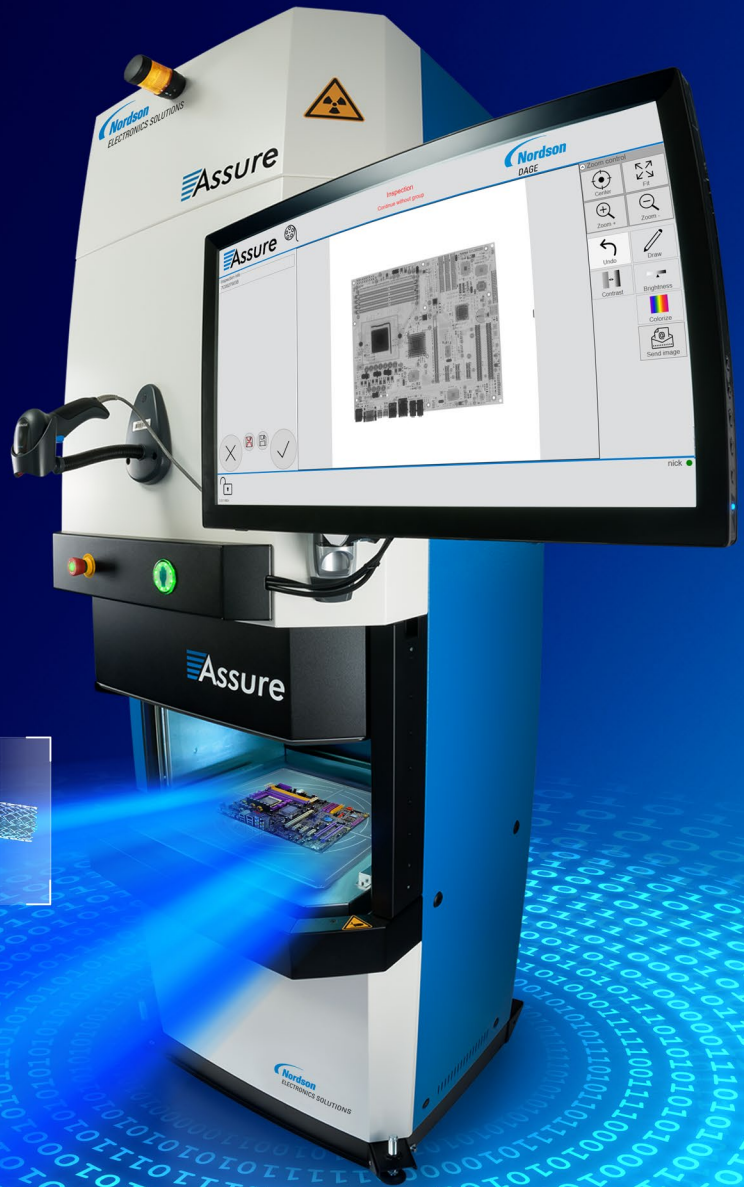# Assure™
QuickCheck
X-ray Inspection

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Nordson
ELECTRONICS SOLUTIONS

The Electronics People

Founded in 1954, Nordson Corporation is a market leading industrial technology company with annual revenues of over $2.1 billion and more than 7,500 employees worldwide.

Nordson offers a wide range of products which are focused on providing process, test and inspection solutions for the electronics and semiconductor industry. Whether you need to maintain live component inventory using DAGE X-ray counting technology, or check for package level delamination with SONOSCAN acoustic inspection, we provide best in class technology solutions for PCBA and package level electronics manufacture, and the global support network to keep you running and minimize downtime.
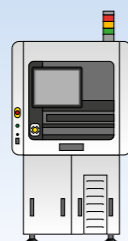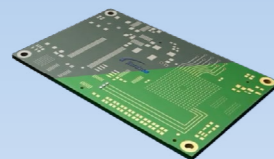
Guaranteed support
from Nordson's worldwide network

Colchester

Aylesbury

Haverhill

Munich, Nürnberg

San Francisco

Carlsbad

Suzhou

Tokyo

Taipei

Shenzen

Penang

Singapore

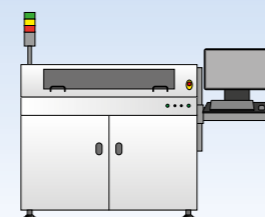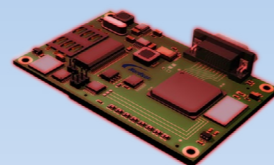## DAGE
X-ray component counting and inspection
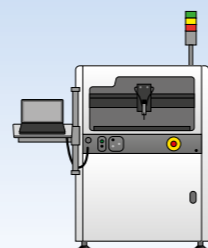
MARCH
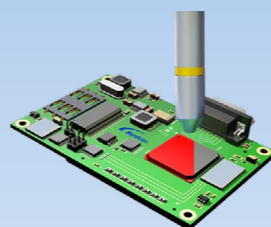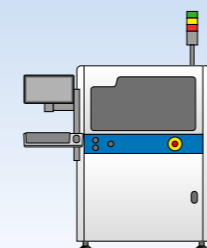Plasma treatment and processing equipment
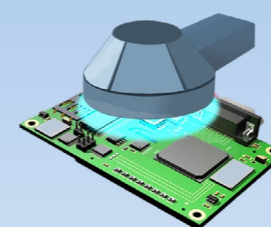
SELECT
Selective soldering systems

ASYMTEK
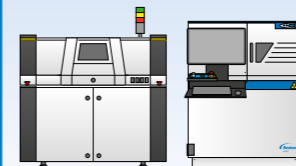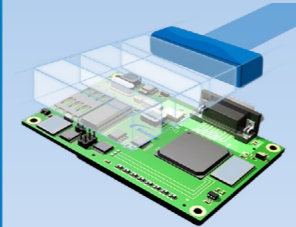Automated fluid dispensing and conformal coating systems

YESTECH
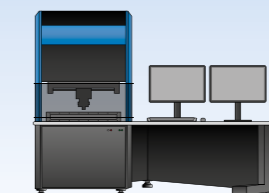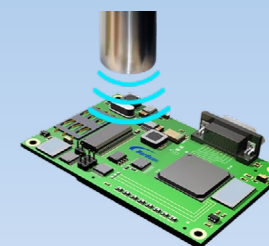Advanced automated optical metrology inspection solutions

MATRIX DAGE
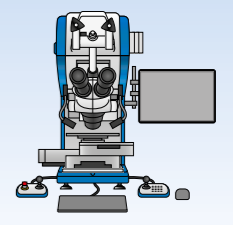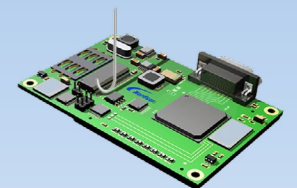High speed in-line and high resolution lab based X-ray inspection

SONOSCAN
Acoustic micro imaging solutions

DAGE
Bond testing and materials testing quality control solutions

Applications

Electronics
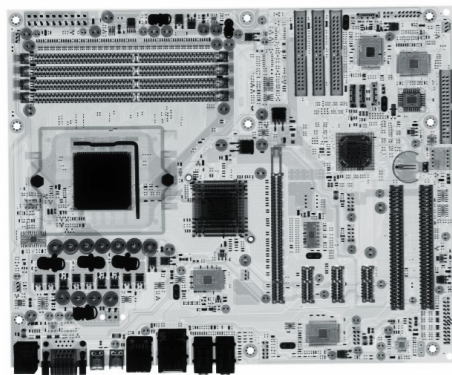
Check for solder presence, bridging and shorts in PCB assemblies.

Final Assembly

Visually check final product for assembly errors such as missing or extra components, misaligned connectors and correct cable routings.

Automotive
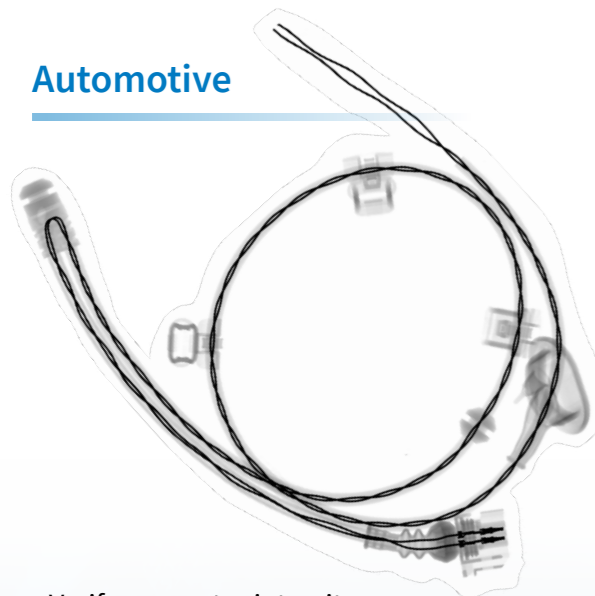
Verify connector integrity and sufficient wire pair twisting in cable assemblies.

Medical
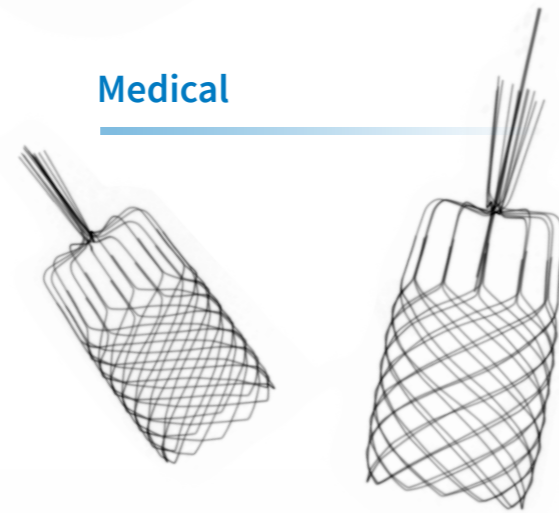
See integrity of packaging in medical devices and find contaminated material.

Assure QuickCheck

Learning to use QuickCheck is easy

Simply scan your sample's barcode for traceability, load into QuickCheck and press go.

SCAN   LOAD   GO!

Optional inline configuration allows you to load samples directly from your production line, operator free.

Fast

Easy

High throughput

QuickCheck's bright, high power X-ray tube and sensitive flat panel detector take images fast. Cycle time for both manual load and optional operator free inline configuration is 10 seconds, maximizing your throughput for a quick return on investment.

Cost of Quality

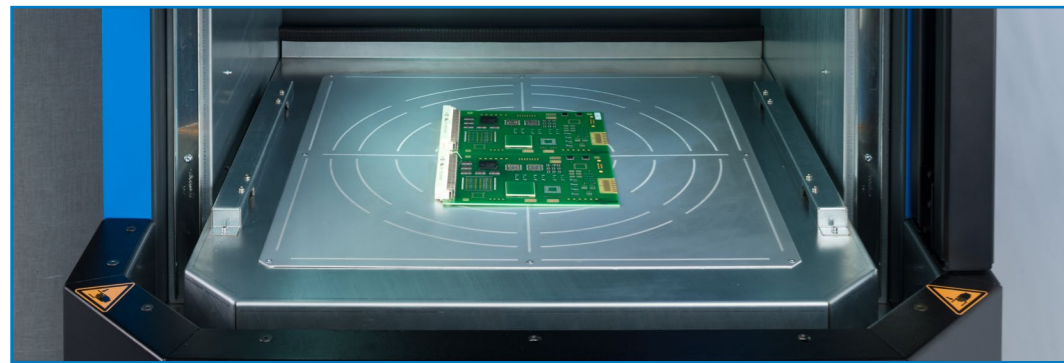It is easy to consider only the direct consequences of quality defects such as rejects and reworks. The secondary, less obvious effects such as premium shipping costs and additional overtime are often overlooked. Assure QuickCheck helps you protect against the costs of quality.

Rejects
Cost
Warranty returns
Rework

Long cycle times   Late delivery   Lost sales
Excess inventory   Premium shipment
Employee turnover   Overtime
Reputational damage

Easy to install

With a footprint of 0.67 m² and a system weight of 360 kg, Assure QuickCheck is easy to locate and requires less than one day to install.

Simple to use

Operating Assure QuickCheck is as simple as scan, load and go. Operators and occasional users achieve great quality images quickly, and with minimal training.

Maintenance free

Maximize your return on investment by keeping downtime and running costs to a minimum. Assure QuickCheck is completely maintenance free, regular preventative maintenance visits are not required to guarantee optimum x-ray performance.

2.25 m / 88"

D 0.88 m / 34"

W 0.76 m / 30"

Specifications at a Glance

	Assure™
Performance	
Sample dimensions (W x D x H)	43 x 43 x 10 cm / 17" x 17" x 4"
Cycle time – manual load	~ 10 seconds
Cycle time – automatic load	~ 10 seconds
Installation	
Footprint (W x D x H)	0.76 m x 0.88 m x 2.25 m / 30" x 34" x 88"
Weight	360 kg / 790 lbs
Power	~ 110…230V, 16 A, 50/60 Hz
Max. power consumption	800 W
Grounding	0.75 mm² (via main power supply)
Noise emission	< 60 dB
Operating temperature/humidity	15 °C to 28 °C / 30 -70% non condensing
ESD	DIN EN 61340-5-1
Software	
Operating system	Microsoft Windows 10 Pro
Application software	ASSURE.Shell
Detector	
Pixel area	43 x 43 cm (17" x 17")
Power dissipation	42 W
Resolution	139 μm (3.6 lp / mm)
X-Ray Module	
Power	240 W
Voltage	60 kV
Current	4 mA
Shielding	<0.5 μSv / hour 5 cm from surface, meets all international standards

CERTIFIED LR ISO 9001 | UKAS MANAGEMENT SYSTEMS 001

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