Count on us™

DAGE® Assure™ Series

X-ray Component Counters
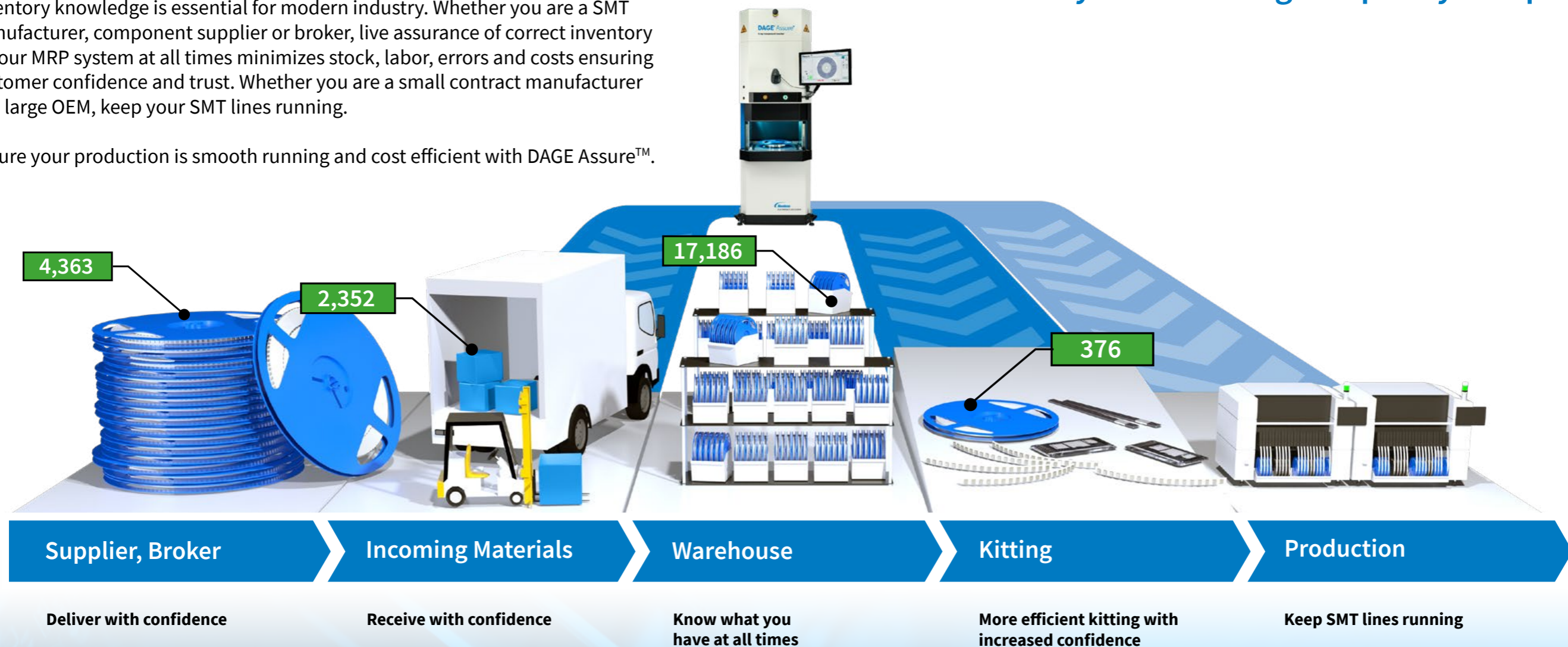
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ELECTRONICS SOLUTIONS

Live Inventory

The correct material in the correct quantity, at the right time in the right place.

Inventory knowledge is essential for modern industry. Whether you are a SMT manufacturer, component supplier or broker, live assurance of correct inventory in your MRP system at all times minimizes stock, labor, errors and costs ensuring customer confidence and trust. Whether you are a small contract manufacturer or a large OEM, keep your SMT lines running.

Ensure your production is smooth running and cost efficient with DAGE Assure™.

" **It's not about counting a component that costs ½ a penny. It's about preventing a line from stopping because you're missing a ½ penny component.** "

4,363

2,352

17,186

376

Supplier, Broker	Incoming Materials	Warehouse	Kitting	Production
Deliver with confidence	Receive with confidence	Know what you have at all times	More efficient kitting with increased confidence	Keep SMT lines running

Your Live Inventory Solution

Industry 4.0

DAGE Assure™ is the most reliable way to implement live component inventory management into your organization. Intelligent, simple, fast, and trustworthy, DAGE Assure enables you to increase productivity and minimize component shortage downtime.

Save time and guarantee precise, live inventory knowledge within the factory by interfacing DAGE Assure™ to your ERP, MRP, pick and place and storage systems.

Intelligent

Specialized logical algorithms and self-learning capabilities empower operators to add (not teach) new component types without needing cumbersome libraries that require programming, or reliance on "cloud-only" support.

Simple

One button operation and an intuitive touchscreen interface means users can learn to operate DAGE Assure within minutes. Installation is easy with an exceptionally small footprint and system weight. Maintenance free operation minimizes disruption during day to day use.

Fast

Optimized for speed, DAGE Assure counts components fast so you can process inventory sooner, and minimize labor time and cost. Count a single reel in approximately 10 seconds and four reels under 15 seconds. DAGE Assure Pro includes an integrated camera to further increase your counting speed.

Trust

DAGE Assure validates results immediately and automatically with accuracy exceeding 99.9% on most components, guaranteeing the quality of the count.
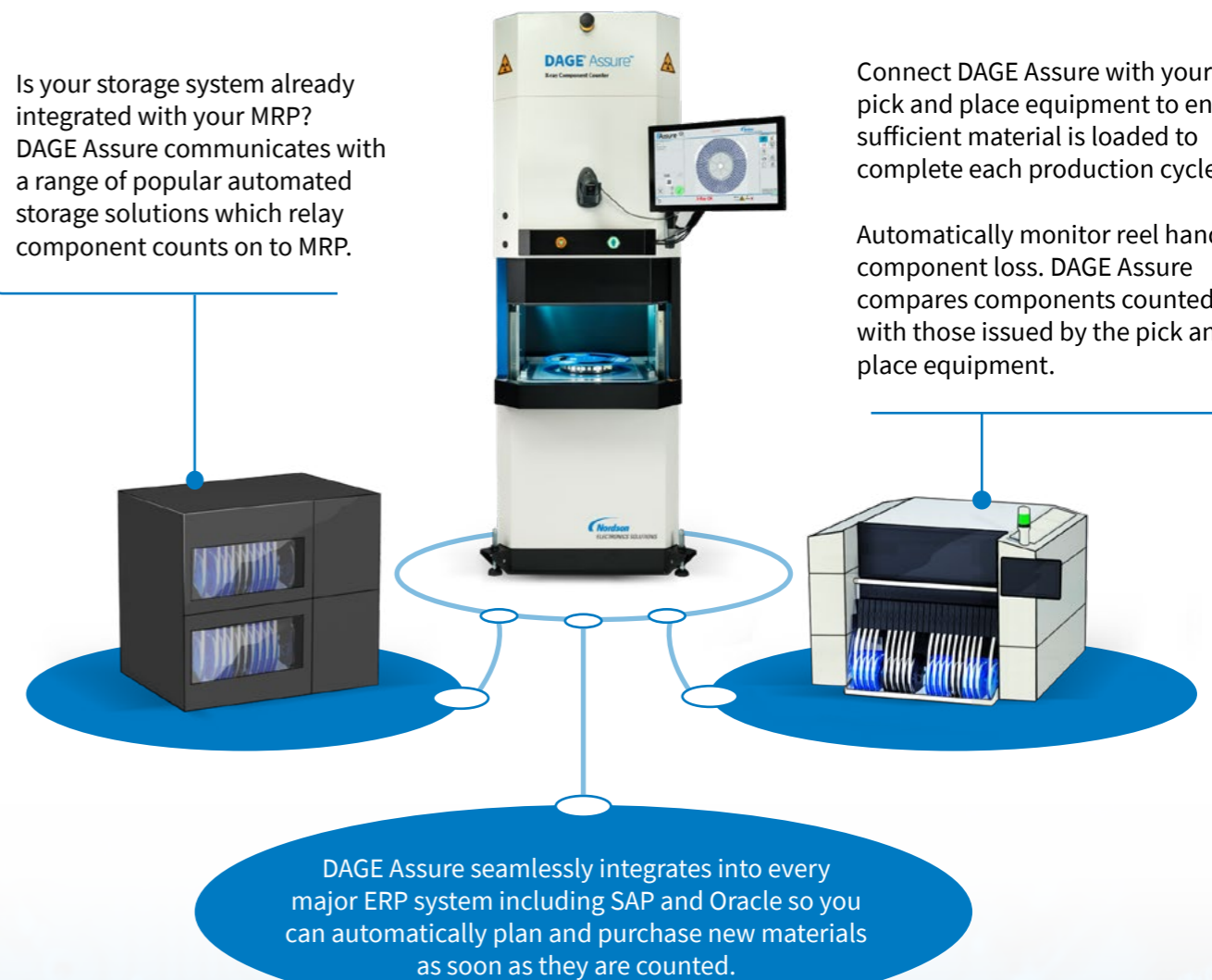
Is your storage system already integrated with your MRP? DAGE Assure communicates with a range of popular automated storage solutions which relay component counts on to MRP.

Connect DAGE Assure with your pick and place equipment to ensure sufficient material is loaded to complete each production cycle.

Automatically monitor reel handling component loss. DAGE Assure compares components counted with those issued by the pick and place equipment.

DAGE Assure seamlessly integrates into every major ERP system including SAP and Oracle so you can automatically plan and purchase new materials as soon as they are counted.
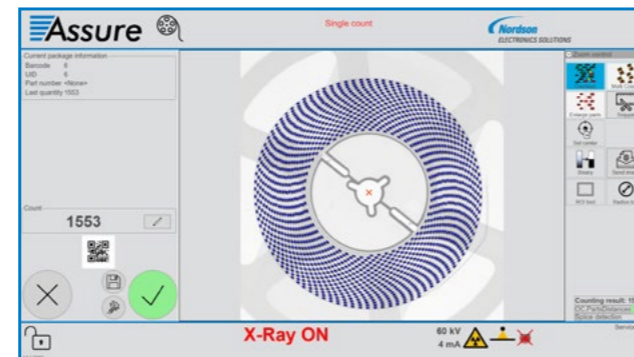
Intelligence as Standard

Plug and Play

Be up and running fast. DAGE Assure™ uses advanced algorithms to identify new components and does not rely on libraries or require a connection to the cloud.
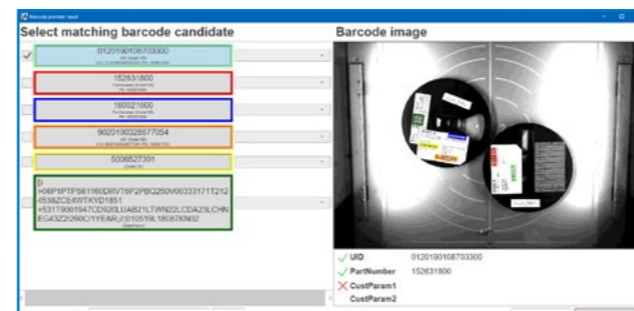
A true plug-and-play solution, DAGE Assure is fully functional within a few hours of arriving.

Automatic Barcode Detection

Eliminate the risks of operator barcode scanning. Auto barcode allows you to teach DAGE Assure the specific barcode formats used in your operation so other barcodes cannot be entered in error. Auto barcode automatically prompts the operator for the correct barcode should more than one match the format.
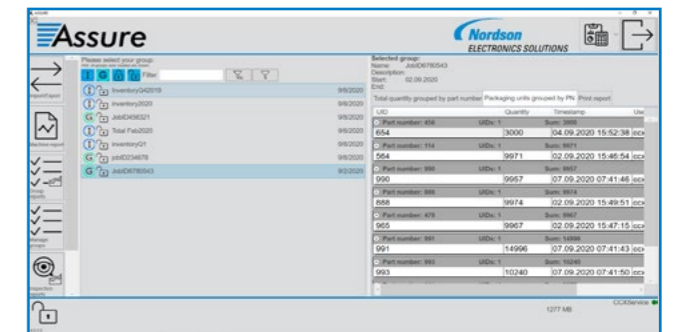
Group Counting

Group inventory together with Group counting, even in Quad Count mode.

Easily report counting results for customer or other inventory groups together at once.

Ensure all materials in the group are counted at the same time. Group counting mode can automatically reject other material counts while the group is being counted, ensuring all reels in the group stay together.

Intuitive touchscreen user interface.

Multi-barcode handling and automatic camera based detection.

Configurable Reporting

Easily configure reports based on job, operator, part numbers, results or all of the above. Powerful reporting allows you to monitor usage of the machine and create specific customer reports in a variety of output formats including CSV and XML.
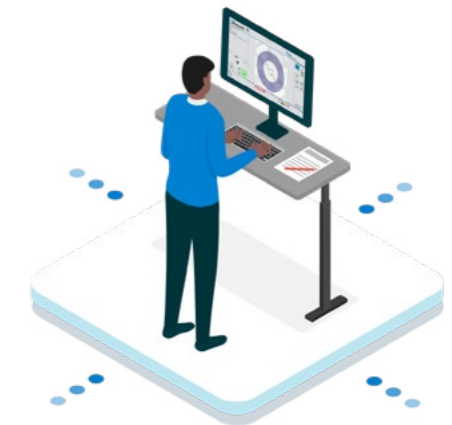
BOM Import

BOM data contains useful information about production, such as UID and Part numbers. Automatically link UID, customer part numbers, and manufacturing numbers during a programmable import schedule for complete traceability of each cycle.

Remote Control Station

Complete monitoring and control away from the line, the Remote Control Station allows you to administration access to DAGE Assure, and access all features: review results, algorithm teaching, machine settings, user settings and radiation safety officer settings.

Easy reporting of groups of materials,
ideal for customer consignment inventory.

DAGE Assure remote
control station.

DAGE Assure™ Flex

Complete reel counting flexibility, DAGE Assure Flex is the complete counting solution for every workflow, from walk up operator loading to inline operator free.

More Intelligent

Monitor and control DAGE Assure Flex away from the line with the Assure Remote Control Station. Configure and monitor reel performance remotely.

Simpler

Complete operator free usage: reels are handled robotically from drop off through to collection. New labels can be automatically applied with the Label Applicator Module, existing labels can also be updated with latest count.

Faster

Highest throughput: simply drop off the reel trolley and DAGE Assure Flex automatically takes care of the count. Urgent reels may be counted on demand with the high priority load slot.

Complete Trust

Automatically sort good reels and those requiring additional checking into different output trolleys.

Fully Automated Storage Solution

DAGE Assure™ Flex has an integrated conveyor which can feed into a range of existing, high capacity storage system solutions. Reels are fed through on conveyor for a fast, automatic count.

Integration to new storage systems is fast and easy with DAGE Assure Flex's robust and well documented software interfaces. Build DAGE Assure Flex into your automatic storage system today, or as your needs change in the future.

DAGE Assure™ Flex Automation

Capability and flexibility, DAGE Assure Flex Automation is the fully automatic, operator free reel counting solution. Tailored to your specific needs, a comprehensive range of loading and unloading options are available for high throughput stand alone operation. DAGE Assure Flex can also integrated into a wide range of high capacity storage systems.

DAGE Assure Flex UL 60
Unloading Station for one trolley with 60 reels capacity.

DAGE Assure Flex UL 120
Unloading Station for two trolleys with 60 reels capacity.

DAGE Assure Flex
X-ray Component Counter

DAGE Assure Flex L 120
Loading Station for two trolleys with 60 reels capacity.

DAGE Assure Flex L 60
Loading Station for one trolley with 60 reels capacity.

DAGE Assure Flex T 60 Ergo
Ergonomic Trolley with capacity for 60 reels, tilting capabilities for various reel diameters.

DAGE Assure Flex LA
Label Applicator with integrated camera for automatic barcode detection and analysis software.

Need to interrupt counting with an urgent reel?
Simply load into the quick access door for immediate counting and it will be returned with a new label on the output conveyor.

Modules fit together.

Specifications at a Glance

	Assure™	Assure™ Pro	Assure™ Flex
Performance			
Maximum reel diameter	43 cm / 17"		
Maximum reel height	10 cm / 4"		
Processing time:	single reel ~ 10 s (any size or quantity)		
	quad count< 15 s (any combination of 7" reels)		N/A
Accuracy	> 99.9 % (most components)		
Minimum component size	01005		
Barcode Tracking	Manual scan	Automatic integrated barcode scan	Automatic integrated barcode scan
Installation			
Footprint	(W x D x H) 0.76 m x 0.88 m x 2.25 m / 30" x 34" x 88"		0.76 m x 0.72 m x 2.25 m / 30" x 28" x 88"
Weight	360 kg / 790 lbs	370 kg / 820 lbs	400 kg / 1,000 lbs (not including automated loading)
Power	~ 110…230V, 16 A, 50/60 Hz		
Max. power consumption	1000 W	1000 W	1800 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		
Shielding	<0.5 µSv / hour 5 cm from surface, meets all international standards		
Software			
Operating system	Microsoft Windows 10 Pro		
Application software	ASSURE.Shell		
Flat Panel Detector			
Pixel area / Active Area	43 x 43 cm (17" x 17")		
Resolution	139 µm (3.6 lp / mm)		
X-Ray Module			
Power / Voltage / Current	240 W / 60 kV / 4 mA		

CERTIFIED LR ISO 9001
UKAS MANAGEMENT SYSTEMS 001

BR-XRCC-24/7/20-V1

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