

# 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	Automatic integrated barcode		
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	370 kg / 820 lbs	400 kg / 1,000 lbs (not inc auto loading)		
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				
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				

Count on us™



**Americas**  
+ 1 760 930 3307  
sales@nordsondage.com

**Europe**  
+44 1296 317800  
oc-info@nordson.com

**China**  
+86 512 6665 2008  
sales.ch@nordsondage.com

**Germany**  
+49 9126 29498 00  
oc-info@nordson.com

**Japan**  
+81 120 537 555  
sales.jp@nordsondage.com

**Korea**  
+82 31 462 9642  
korea.at.cs@nordson.com

**South East Asia**  
+65 6552 7533  
sales.sg@nordsondage.com

**Taiwan**  
+886 2 2902 1860  
globalsales@nordsondage.com

**United Kingdom**  
+44 1296 317800  
globalsales@nordsondage.com



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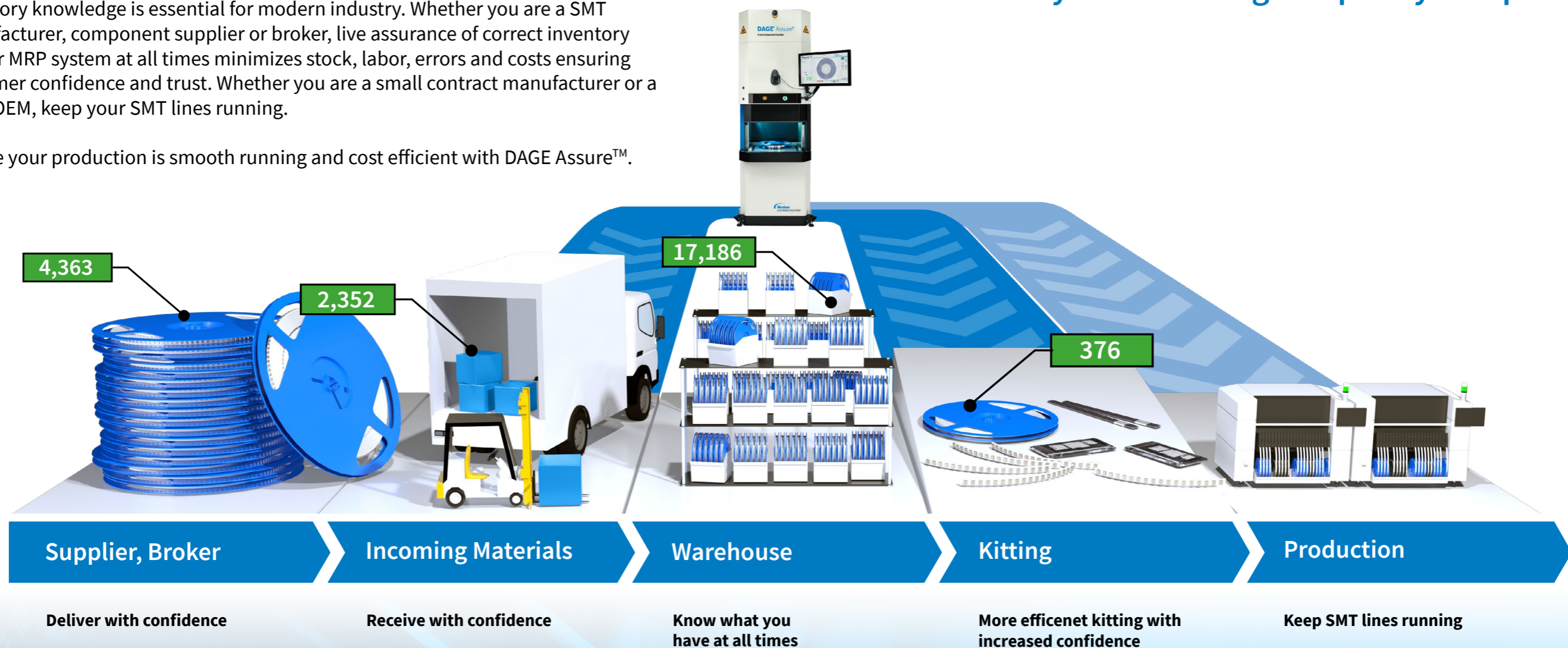
# Live Inventory

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.”



# Your Live Inventory Solution

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.

## 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.



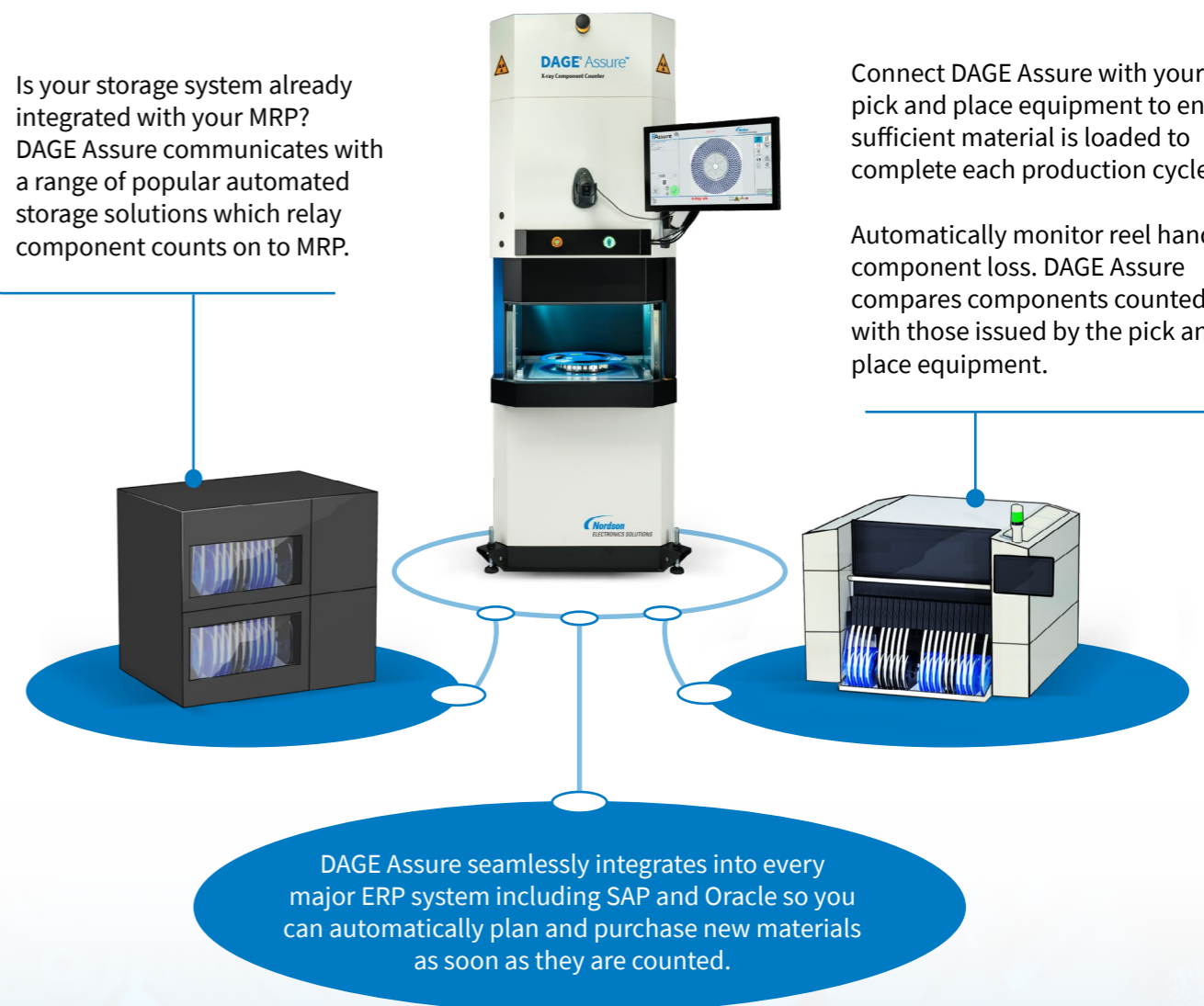
# Industry 4.0

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.

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.



# 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 does not require hours of programming.

## Group counting

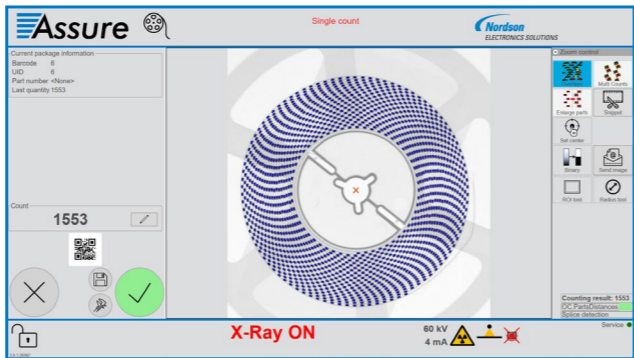
Group inventory together with Group counting, even in Quad Count mode.

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.

## 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.



Intuitive touchscreen user interface.

Inventory report: Reels grouped by article					
Name: Inventory 2019					
Description: <no data>					
Begin: 9/27/2019    End: <no data>    Base data deleted: No					
Article Article1					
1	487	service[Service]	9/27/2019 12:16:12PM		
5	996	service[Service]	9/27/2019 12:17:12PM		
6	1,553	service[Service]	9/27/2019 12:17:23PM		
	Reel count	3	Total stock	3,036	
Article Article2					
2	5,000	service[Service]	9/27/2019 12:16:23PM		
	Reel count	1	Total stock	5,000	
Article Article3					
3	420	service[Service]	9/27/2019 12:16:50PM		
	Reel count	1	Total stock	420	
Article Article4					
4	1,320	service[Service]	9/27/2019 12:17:01PM		
	Reel count	1	Total stock	1,320	

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

## Configurable Reporting

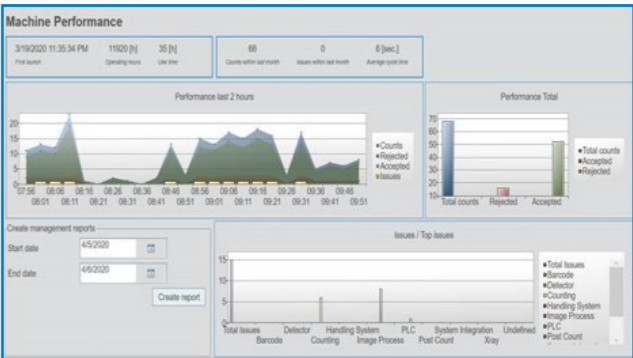
Easily configure reports based on job, operator, part numbers, results or all of the above. Powerful reporting allows you to monitor usage of the machine and create specific customer reports in a variety of output formats including CSV and XML.

## Remote Control Station

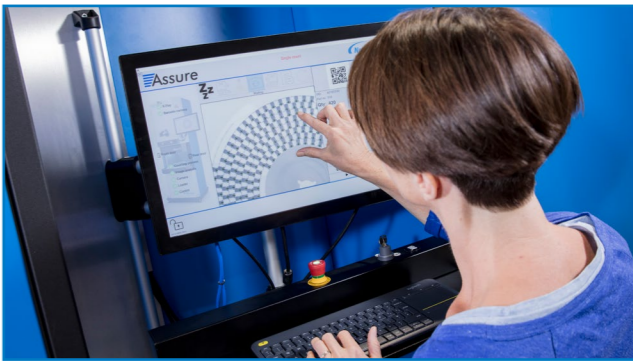
Complete monitoring and control away from the line, the Remote Control Station allows you to administration access to DAGE Assure, and access all features: review results, algorithm teaching, machine settings, user settings and radiation safety officer settings.

## Automatic barcode scanner

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.



Fully customizable reporting.



DAGE Assure Remote Control Station.