

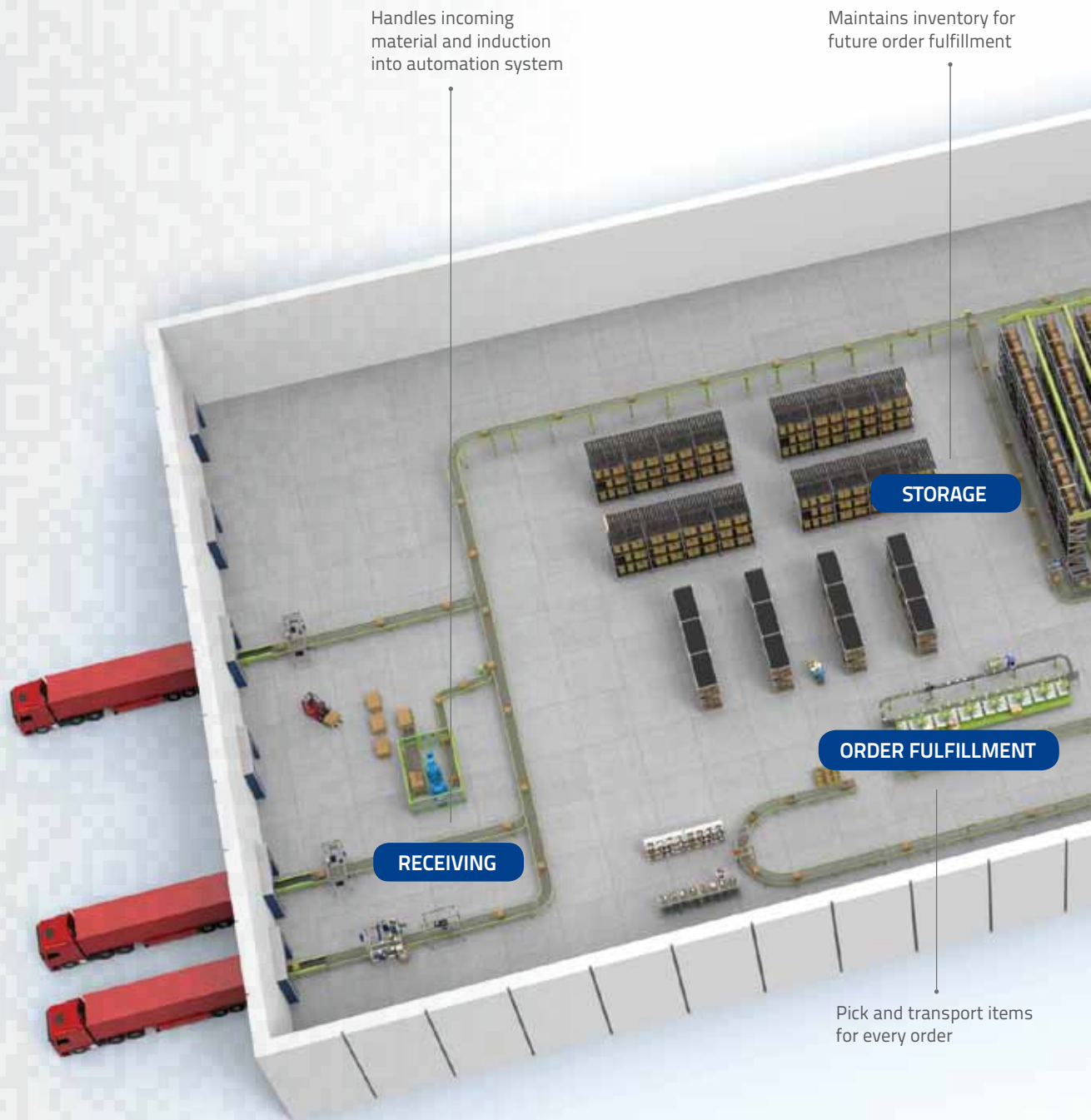
INDUSTRY GUIDE



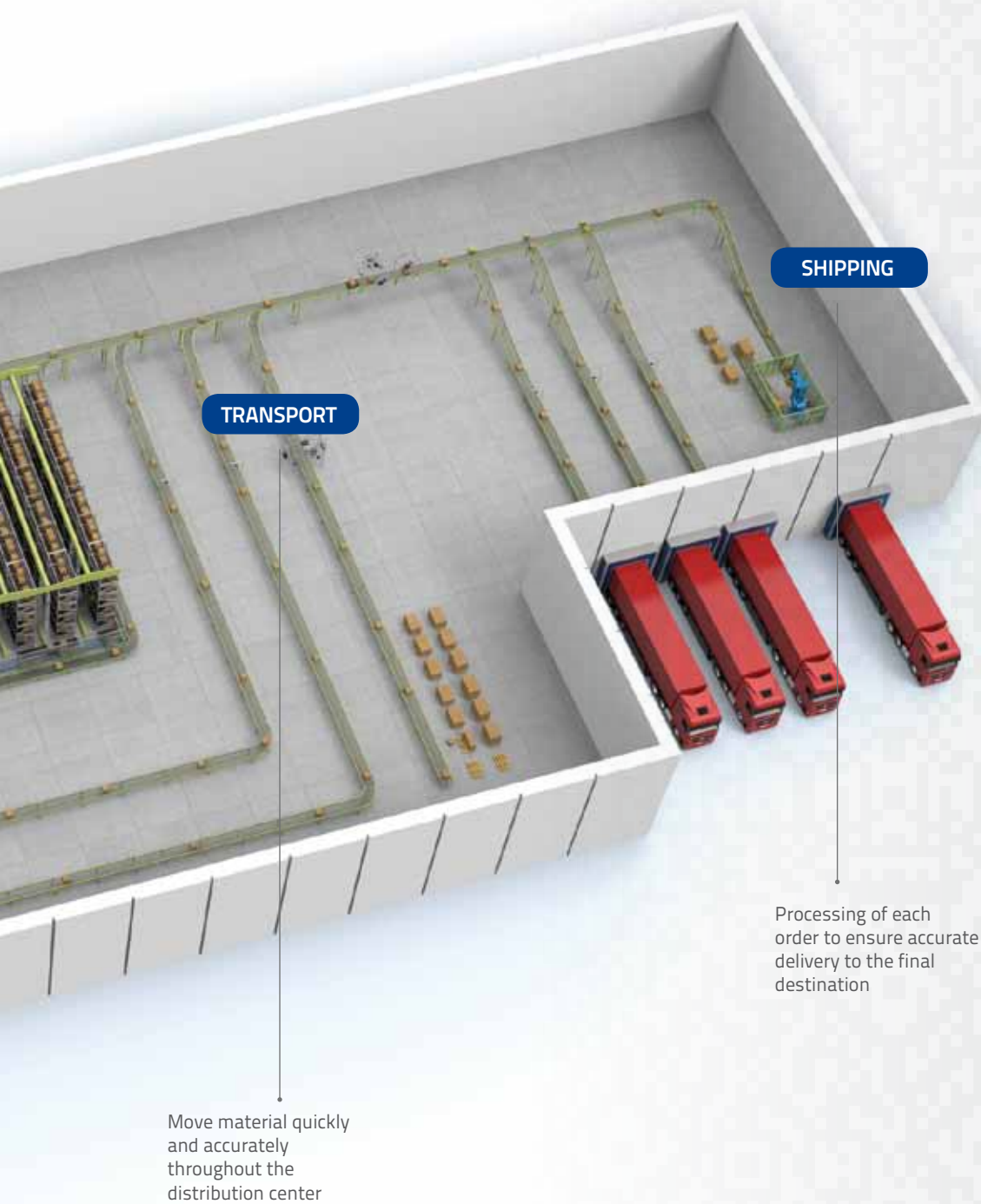
>Distribution
Center

>Solutions for
efficient distribution

DISTRIBUTION CENTER

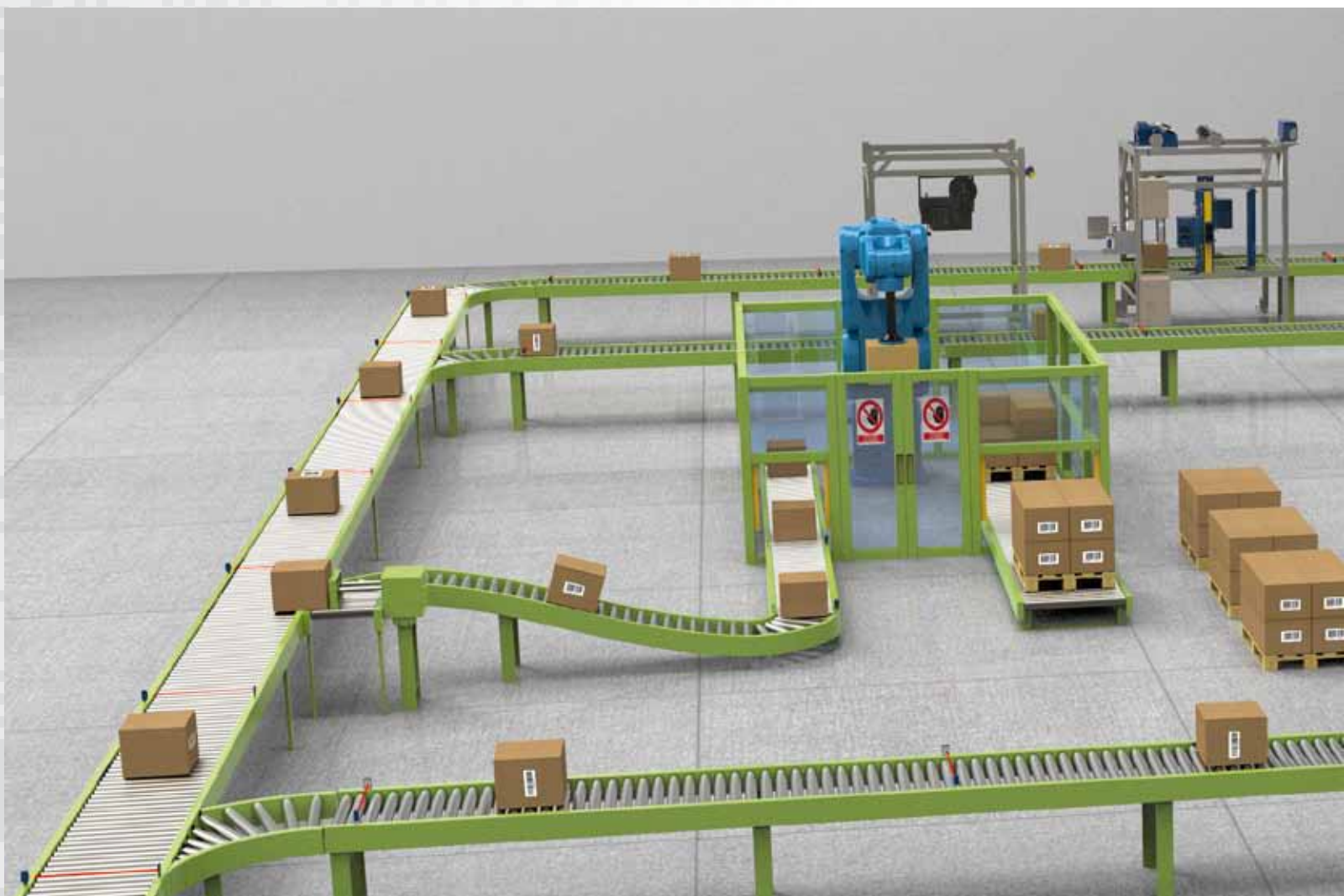


Datalogic offers the most extensive solution portfolio for improving processes within any distribution center. The automation of a distribution center can provide substantial benefits and significant labor savings. All stages of material handling have the potential for increased efficiency; from the Receiving Area, where implementing an automated cross-docking process



can bypass storage and inventory entirely; to the Shipping Area, where integrated manifesting systems ensure the lowest cost shipping carriers are used. Inside the four walls of a distribution center, automated storage and order fulfillment systems can deliver substantial operating savings, while providing improved accuracy and a safer operating environment.

RECEIVING



DETECTION



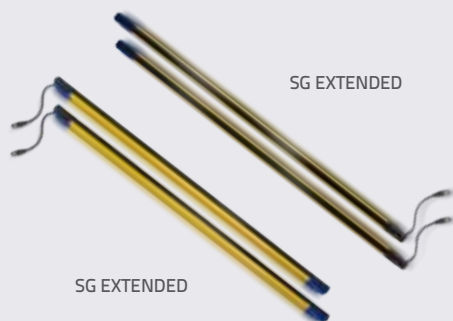
S300

S3Z

S3Z PRESENCE SENSOR
Detect items on unloading conveyors.

S300 PRESENCE
Detect cartons being unpacked by robotic de-palletizers.

PROTECTION



SG EXTENDED

SG EXTENDED

SG EXTENDED SAFETY LIGHT CURTAINS
Protect fingers, hands and bodies from Label Print & Apply Systems.

SG EXTENDED SAFETY LIGHT CURTAINS
Prevent Operator ingress for full protection around robotic de-palletizing area.

ID TRACK AND TRACE



NVS9000™

DS8100N

AV6010

DX8200N

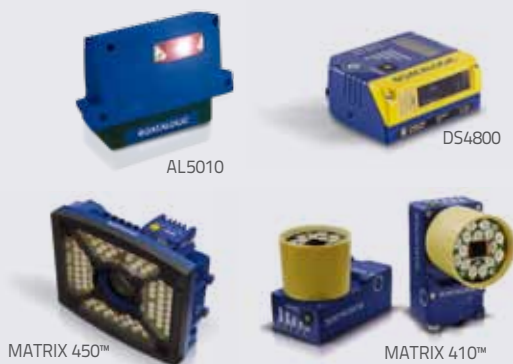
DS8100N, DX8200, MATRIX 450, AV6010, NVS9000
Read vendor bar codes from all sides of incoming containers.

DS4800, AL5010
Capture incoming pallet bar codes, from forklifts, in all environments.

Automated receiving stations reduce labor and increase processing volumes by identifying the products, report information to the host system (WMS/ERP/MRP), receive against an order to the vendors/customer, host system decision, label printing, cross docking, or palletizing / depalletizing stations with optional dimensioning and weighing.



DIMENSION /WEIGH/SCAN



DS4800, AL5010, MATRIX 410

Verify bar code information and track product location, after Label Print and Apply Station.

AL5010, DS6300/6400 OSCILLATING MIRROR, DS4800OM, MATRIX 410, MATRIX 450

Identify pallet bar code in robotic de-palletizing area.



DM3610

Dimensions incoming freight for vendor verification and spatial planning.

DM3610, DS SERIES MEASUREMENT LIGHT ARRAY

Communicate volume and dimensional information to automated receiving station for high performance, high volume, mixed shipment receiving.

FAST LABEL

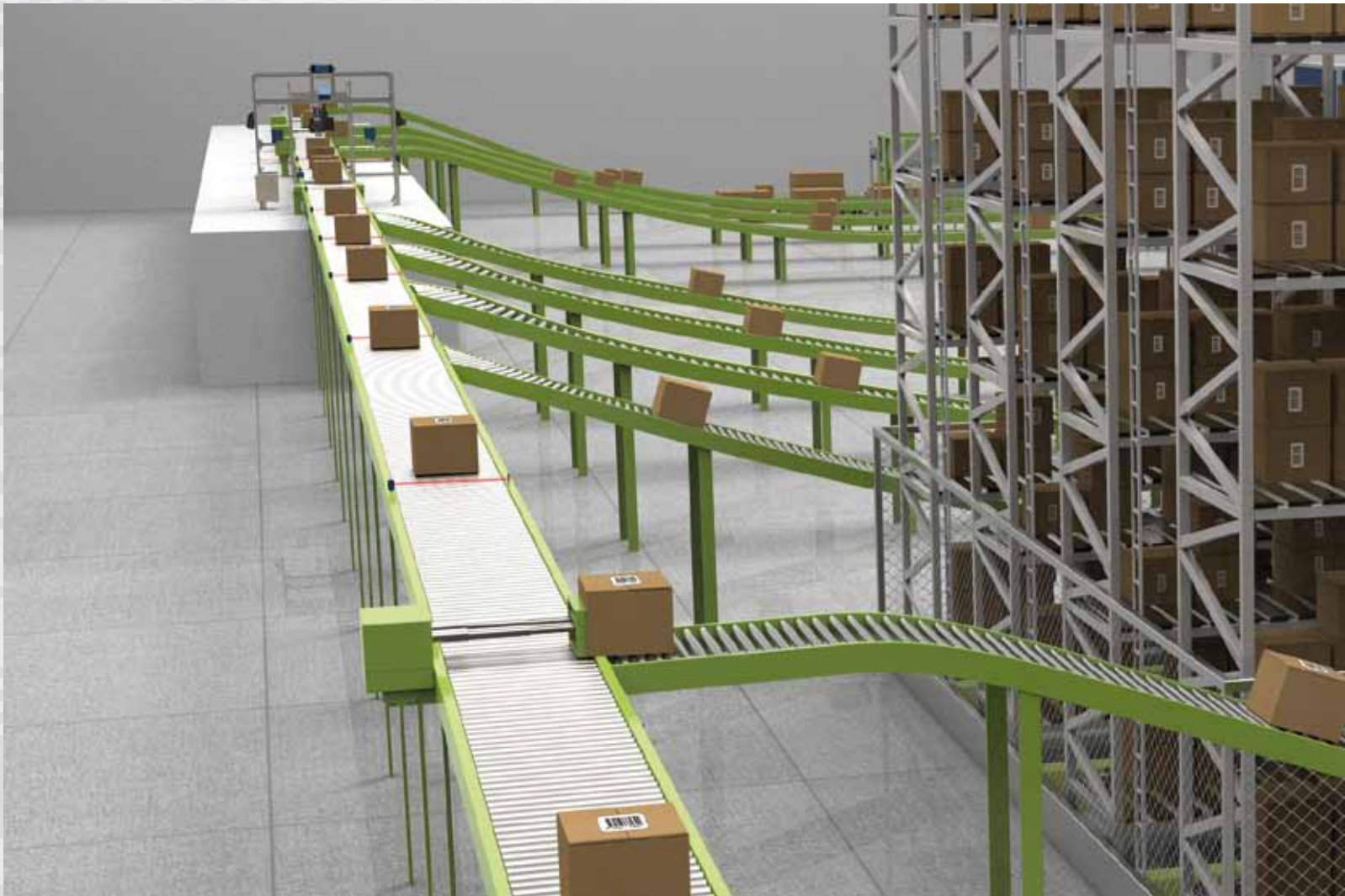
Controls and manages subsystems for identifying, printing, weighing, dimensioning and communicating with host systems.

S80 SERIES TIME OF FLIGHT DISTANCE SENSOR

DS2 SERIES MEASUREMENT LIGHT ARRAY

Communicate distance and height information to Label Print and Apply System, for proper label application to top of cartons.

TRANSPORT



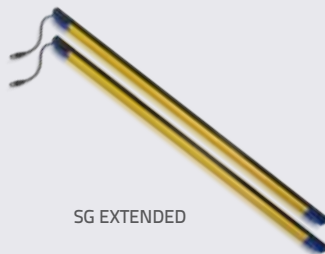
DETECTION



S3Z PRESENCE SENSOR
Detect items for decision point identification.

DATA VS2
Detect item presence on conveyors, in totes, or on tilt trays.

PROTECTION

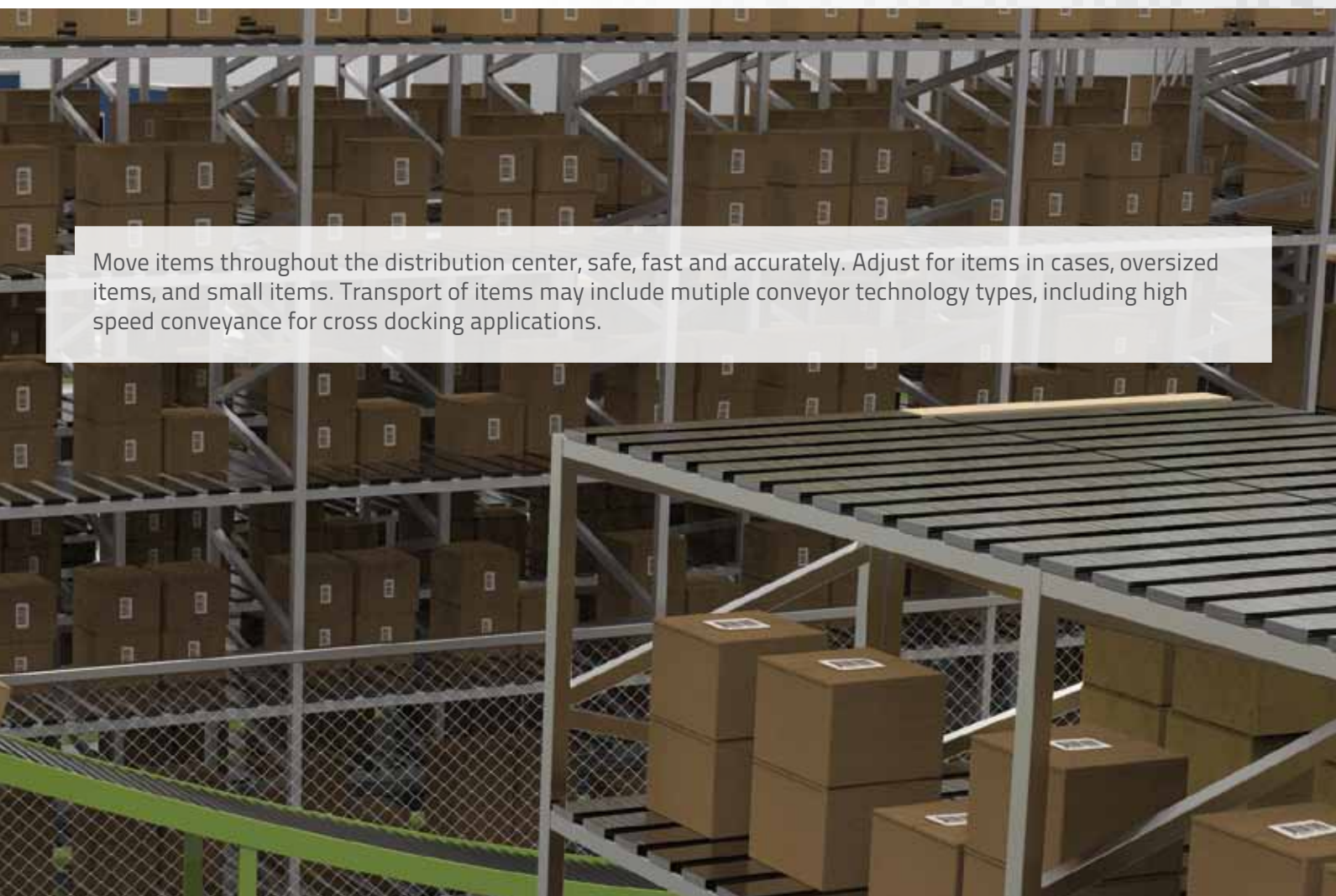


SG EXTENDED SAFETY LIGHT CURTAINS
Protect operators near & along accessible lengths of conveyor.

ID TRACK AND TRACE



DS2100/DS2400/DS4800/DS8100N/DX8200N
Read tote and carton bar codes. Analyze captured bar code images to re-direct totes with degrading codes to



Move items throughout the distribution center, safe, fast and accurately. Adjust for items in cases, oversized items, and small items. Transport of items may include multiple conveyor technology types, including high speed conveyance for cross docking applications.



MATRIX 210™

MATRIX 410™

MATRIX 300™

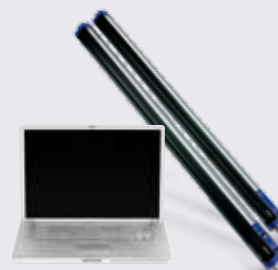
MATRIX 450™

MATRIX 210/MATRIX 300/MATRIX 410/MATRIX 450 service lane, before they negatively affect performance.

DIMENSION



S80



DS2

S80 SERIES TIME OF FLIGHT DISTANCE SENSOR

DS2 SERIES MEASUREMENT LIGHT ARRAY

Measure & control the height of items being conveyed, to ensure protection of material handling systems.

STORAGE



DETECTION



S80

S80 DISTANCE SENSOR

Provides position feedback for control of automated cranes.

PROTECTION



SG BODY BIG

SG BODY BIG SAFETY LIGHT CURTAINS

Prevent Operator ingress for full protection around robotic crane area of Automated Storage and Retrieval System.

ID TRACK AND TRACE



DS4800

AL5010

MATRIX 410™

DS4800, AL5010, MATRIX 410

Verify bar code information and track product location, after Label Print and Apply Station.

Storage systems handle inventory for cases, totes or pallets including food items in refrigerated environments. Items are moved from storage to order fulfillment, and may return to storage again. Automated Storage and Retrieval Systems handle cases or totes with fully automated crane and conveyor systems. Manual storage locations may hold break case inventory.



FAST Label
FLEXIBLE INFORMATION SOLUTION TOOLS



LP&A

FAST LABEL AND LABEL PRINT & APPLY

Apply new shipping label upon exit from storage area.

DIMENSION/SCAN



DS2100N

DS2400N



DM3610

DS2100N, DS2400N

Identify tote or parcel to be sent into storage area.

DM3610

Measures materials being stored for product verification.

ORDER FULFILLMENT



Processing of single or multiple orders, by filling shipping containers with the correct items. Order fulfillment can handle items at the case level or unit level, depending upon the operation. Fulfillment may also include packing, manifesting and applying the shipping label for destination.

DETECTION



S3Z

S3Z PRESENCE SENSOR

Detect items in conjunction with scanners, for tracking cases in a multilevel pick modules. Trigger Print & Apply system.

PROTECTION



SG EXTENDED

SG EXTENDED SAFETY LIGHT CURTAINS

Protect operators near & along accessible lengths of conveyor.

ID TRACK AND TRACE



MATRIX 450™



DS4800



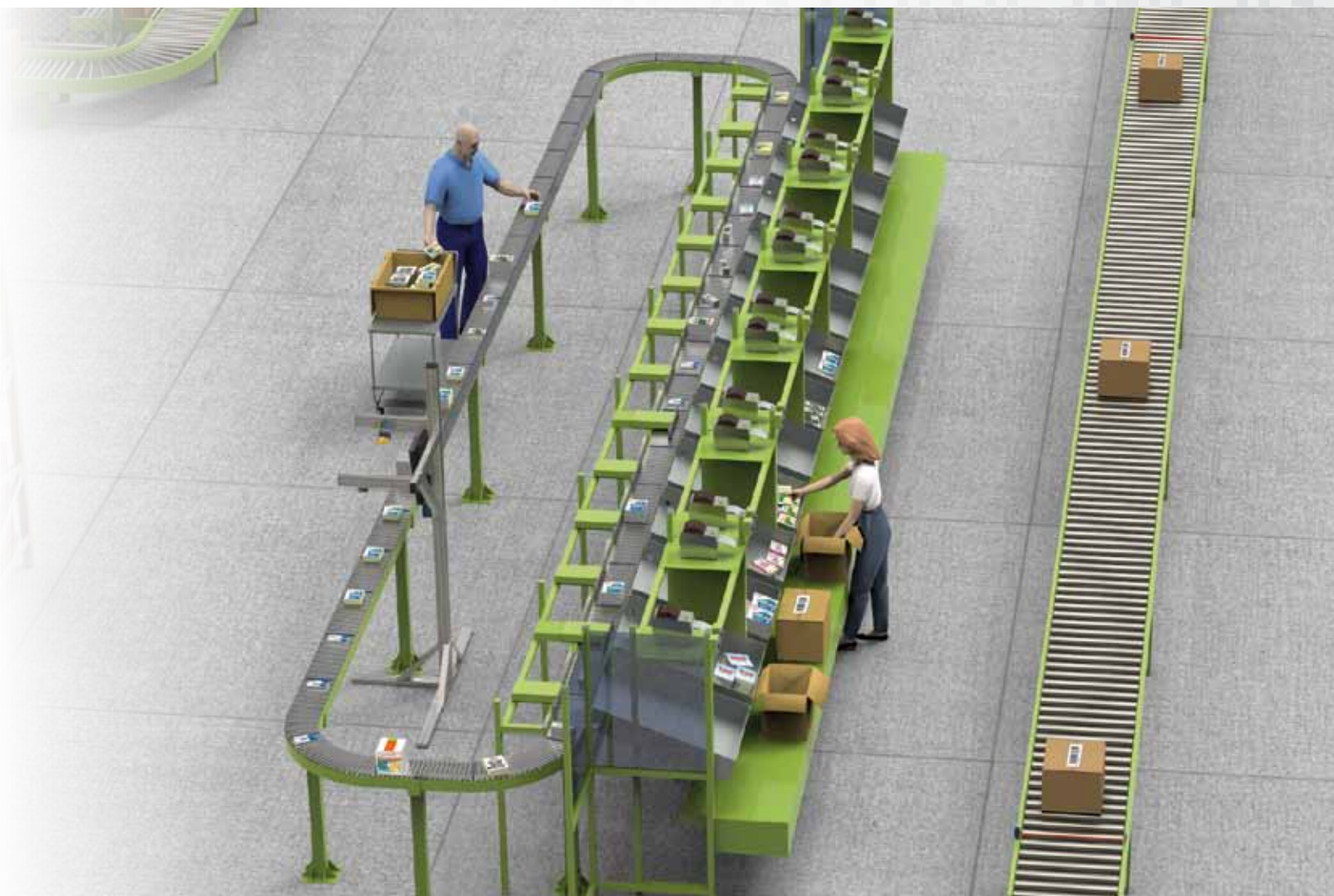
AL5010

MATRIX 410, MATRIX 450

Verify manual picking of correct product when using pick to light solutions.

DS2400N, DS2100N, DS4800 with GFC, MATRIX 210

Provide routing and verification of totes and cartons conveyed in multi-level pick modules.



MATRIX 210™



MATRIX 410™



DS2100N



DS2400N

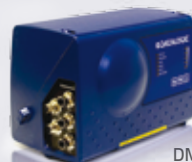
MATRIX 410, MATRIX 450, DS4800, AL5010, DS2400N
Verify bar code information and track product location, after Label Print and Apply Station.

AL5010, DS4800 w/ OM, 6K
Verify barcode information on the side of pallets.

DIMENSION



S80



DM3610



DS2

S80 SERIES TIME OF FLIGHT DISTANCE SENSOR
DS2 SERIES MEASUREMENT LIGHT ARRAY
Dimension carton for label print and apply system.

DM3610
Dimension carton for DWS and labeling system.

SHIPPING



DETECTION

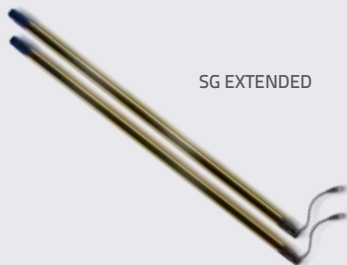


S3Z

S3Z PRESENCE SENSOR

Detect items in conjunction with scanners, for tracking cases in a multilevel pick modules. Trigger Print and Apply system.

PROTECTION



SG EXTENDED

SG EXTENDED SAFETY LIGHT CURTAINS

Protect operators near & along accessible lengths of conveyor.

ID TRACK AND TRACE



NVS9000™



DS8100N



AV6010



DX8200N

DS8100N, DS8200X, MATRIX 450, AV6010, NVS9000

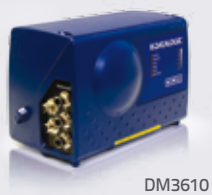
Provide sortation direction from shipping label information read from any side of carton.



A/T SERIES, MATRIX 410, MATRIX 450

Record evidential proof on contents of a container before taping or at trailer load with Vision & ID systems.

DIMENSION /WEIGH/SCAN



DM3610

DM3610

Dimension outgoing freight for trailer utilization / spatial management.

DIMENSION, WEIGH & SCAN / LABEL, PRINT & APPLY

Provide Automated solution for labeling cartons based on lowest cost carrier using dimensional, weight and destination information. Ensure accuracy of correct shipping label, to reduce errors.



DIMENSION, WEIGH & SCAN



LABEL, PRINT & APPLY



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