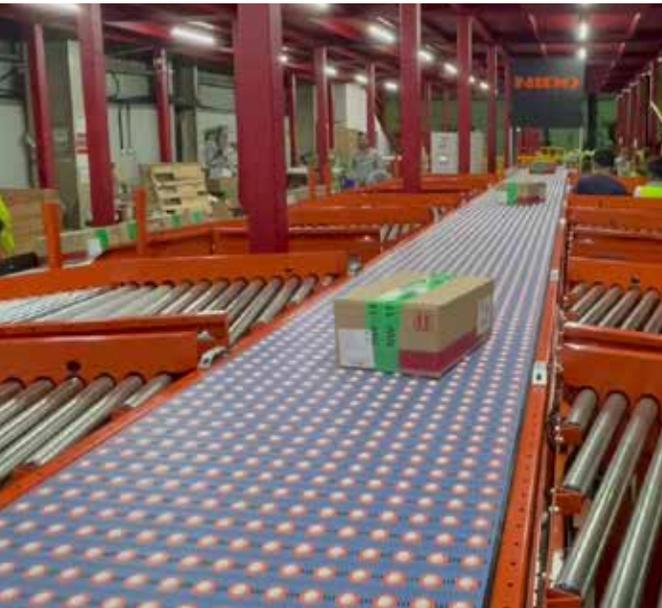


NIDO AUTOMATION

INTRALOGISTICS, SUPPLY CHAIN AND
MATERIAL HANDLING AUTOMATION SOLUTIONS

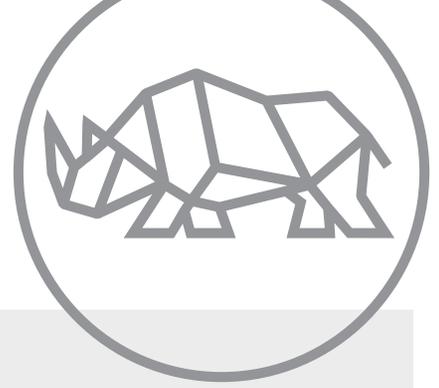


nidoautomation.com

2022-23



#makingthingshappen



NIDO AUTOMATION

Intralogistics, Supply Chain & Material Handling Automation Solutions

Belt Conveyors
Roller Conveyors
Spiral Conveyors
Vertical Lifters
Expandable Flexible Conveyors
Telescopic Conveyors
Static DWS Systems
In Motion DWS Systems
Sortation Automation
Pick / Put to Light Systems

nidoautomation.com

NIDO MACHINERIES

Comprehensive Industrial Equipment & Solutions Provider

Pallet Trucks	Scissor Lifts
Table Trucks	Strapping Machines
Stackers	Carton Sealers
Forklifts	Stretch Wrapping Machines
Reach Trucks	Machines
Docking Equipment	Packing Line
Goods Lifts	Automation
Drum Handlers	Single Disc Scrubbers
Overhead Lifters	Vacuum Cleaners
Order Pickers	Scrubber Driers
Aerial Work Platforms	Sweepers

nidoworld.com/machineries

NIDObots

Practical, Modular & Integrated Mobile Robots

Material & Pallet Movement
Goods to Person
Assisted Picking
Sorting

nidoworld.com/bots

NIDO WORKZ

Custom Designed Software Solutions

ConveyControl	NIDO AI
DWSControl	NIDO NAV
SortControl	NIDO FLEET
LightControl	TicketControl
SortApp	AssetControl

nidoautomation.com/software

NIDO PAYGO

Automation As A Service

Dimensioning As A Service Order Fulfillment As A Service
Sorting As A Service Material Flow As A Service
Robots As A Service nidoautomation.com/aaas

NIDO AUTOMATION is a manufacturer & systems integrator of intralogistics & material flow automation solutions.



We provide comprehensive solutions in Conveyor Automation, Sorting Automation, Order Picking & Fulfillment Automation, and Autonomous Industrial Vehicles.

*Making Intralogistics
Material & Data flow
more efficient,
optimized and visible*

Our 40,000 sq.ft. manufacturing unit at Nashik is where we ideate, solution, design and manufacture the equipment that enable automated material flow. This is where the work of our in house mechanical, electrical controls and software team comes together to make things happen.



OUR AUTOMATION SOLUTIONS INSPIRED BY THE BRIGHTEST STARS IN THE UNIVERSE

antares
Pick / Put To Light
Systems

capella
Dimensioning &
Weighing Systems

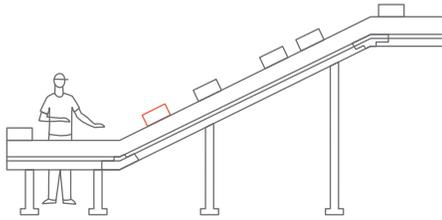
canopus
Conveyor Automation

sirius
Autonomous Industrial
Vehicles

deneb
Sortation Systems

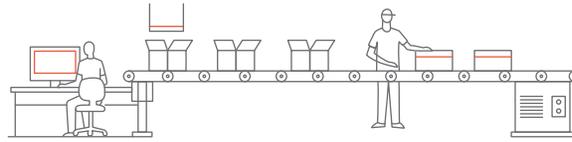
regulus
Telescopic Belt
Conveyors

LIST OF PRODUCTS



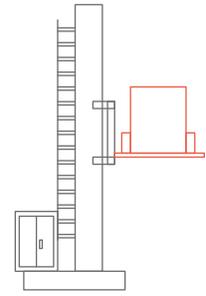
canopus BELT CONVEYORS

- Straight Belt Conveyor
- Inclined / Declined Belt Conveyor
- Z Type Belt Conveyor
- Spacing Conveyor
- Flat Curve Conveyor
- Inclined Curve Conveyor
- Weighing Conveyor
- Singulator
- Stripped Induction Conveyor
- Stripped Merging Conveyor



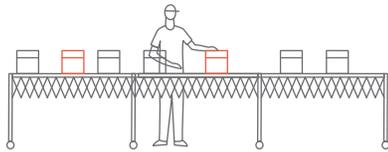
canopus ROLLER CONVEYORS

- Gravity Roller Conveyor
- Motorized Roller Conveyor
- Live Roller Conveyor
- Curve Tapered Roller Conveyor
- Zero Pressure Accumulation Conveyor
- Merge / Divert Roller Conveyor
- Centering Conveyor
- Pallet Roller Conveyor
- Pallet Turn Table Conveyor
- Pallet Transfer Unit
- Pallet Stacking & Dispensing
- Stripped Merging Conveyor



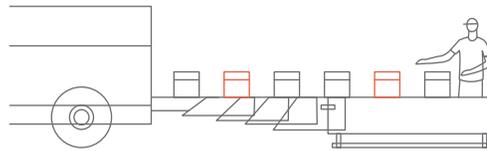
canopus SPIRAL CONVEYORS & VERTICAL LIFTERS

- Gravity Spiral Conveyor
- Motorized Spiral Conveyor
- Semi Automatic VRC
- Fully Automatic VRC
- Continuous VRC
- Vertical Tote Lifter
- Continuous Unit Lifter
- Gravity Chutes



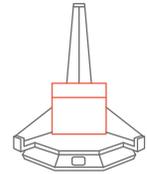
canopus FLEXIBLE CONVEYORS

- Flexible Motorized Roller Conveyor
- Flexible Gravity Roller Conveyor
- Flexible Gravity Skate Wheel Conveyor



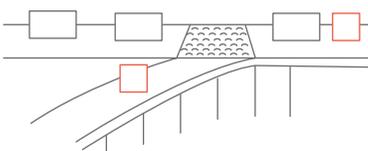
regulus TELESCOPIC CONVEYORS

- Fixed Telescopic Belt Conveyor
- Mobile Telescopic Belt Conveyor
- Dockless Telescopic Belt Conveyor



capella DIMENSIONING & WEIGHING SYSTEM

- Cubiscan 100 IN
- Cubiscan 110 ND
- Cubiscan 150 ND
- Cubiscan 25
- Cubiscan 325



deneb SORTATION AUTOMATION

- Pop Up Sorter
- Tote Divert Sorter
- Linear Arm Sorter
- Narrow Belt Sorter
- Belt Carriage Sorter
- Steerable Wheel Sorter
- Universal Ball Sorter
- Cross Belt Sorter



antares PUT TO LIGHT SYSTEM

- Pick to Light
- Put to Light
- Automated Put to Wall
- Order Picking Trolley



NIDO WORKZ SOFTWARE SOLUTIONS

- ConveyControl
- DWSControl
- SortControl
- LightControl
- SortApp
- NIDO AI
- NIDO NAV
- NIDO FLEET
- TicketControl
- AssetControl



NIDObots AUTONOMOUS INDUSTRIAL VEHICLES

- Material & Pallet Movement
- Goods to Person
- Assisted Picking
- Sorting



Fixed Telescopic Belt Conveyor

Dockless Telescopic Belt Conveyor

Mobile Telescopic Belt Conveyor

Capacity upto 65kgs/sq. mtr	Fixed Length: 3mtrs - 8mtrs
Stages: 3/4/5	Extended Length: 4mtrs - 17mtrs
Belt Widths: 600/800m	Total Length: 7mtrs - 25mtrs

Fully tested in Indian operation environment for 22x7.
3rd generation of machine as per operation feedback from client.

500+ Installations PAN India.

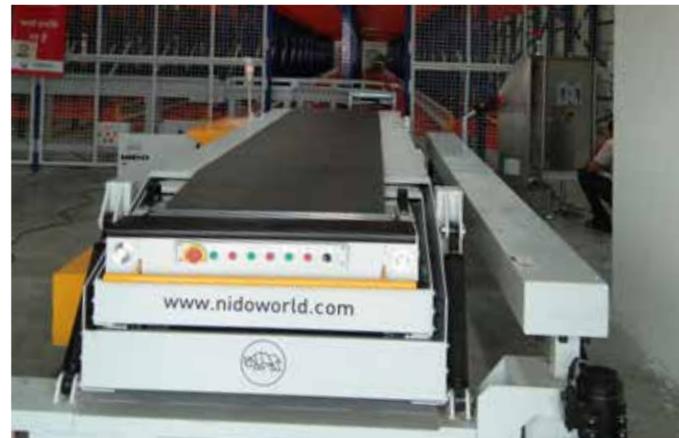
Reduces loading/unloading time upto 60%.

Reduces manpower for loading/unloading upto 60%.

Improves material handling audit score.

Helps in safely unloading of material without damage.

Can be customized as per your applications.



**PVC / PVK / PLASTIC MODULAR
BELT**

Straight Conveyor

Inclined / Declined Conveyor

Z Type Conveyor

Spacing Conveyor

Flat Curve Conveyor

Inclined Curve Conveyor

Weighing Conveyor

Singulator

Stripped Induction Conveyor

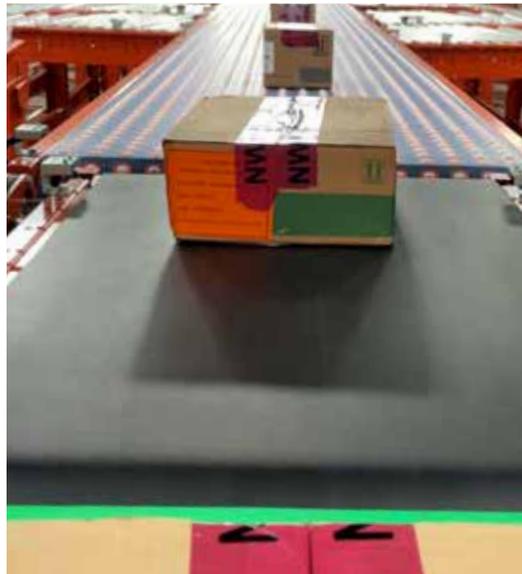
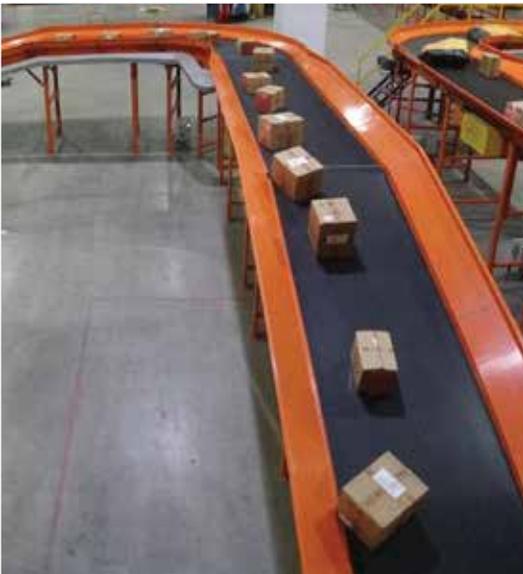
Stripped Merging Conveyor



canopus belt conveyors



OUR BELT CONVEYORS IN ACTION





canopus roller conveyors

Gravity Roller Conveyor

Motorized Roller Conveyor

Live Roller Conveyor

Curve Tapered Roller Conveyor

Zero Pressure Accumulation Conveyor

Merge / Divert Roller Conveyor

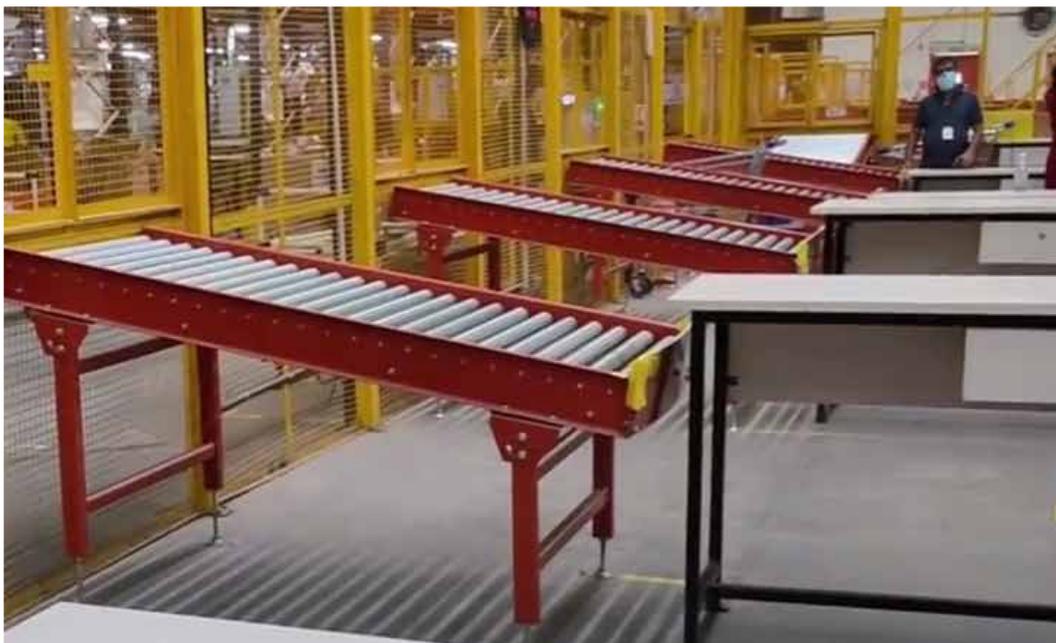
Centering Conveyor

Pallet Roller Conveyor

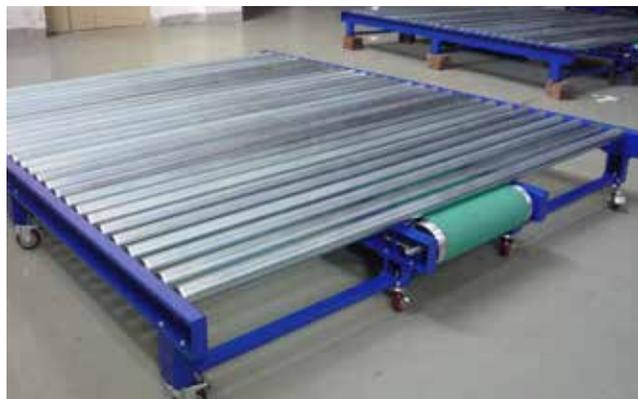
Pallet Turn Table Conveyor

Pallet Transfer Unit

Pallet Stacking & Dispensing



OUR ROLLER CONVEYORS IN ACTION



Gravity Spiral Conveyor (4 Column Structure)

Gravity Spiral Conveyor (Center Column Structure)

Motorized Spiral Conveyor

Semi Automatic Vertical

Reciprocating Conveyor (VRC)

Fully Automatic Vertical

Reciprocating Conveyor (VRC)

Continuous Vertical

Reciprocating Conveyor

Vertical Tote Lifter

Continuous Unit Lifter

Gravity Chutes

canopus spiral conveyors & vertical lifters



OUR SPIRAL & VERTICAL CONVEYORS IN ACTION





canopus expandable flexible conveyors

Flexible Motorized Roller Conveyor

Flexible Gravity Roller Conveyor

Flexible Gravity Skate Wheel Conveyor

Available with electric motors and gravity options.

Can be retracted back to half the length for easy storage.

Ideal for all types of items – boxes, sacks, cartons etc.

Roller & skate wheel option depending on the application.

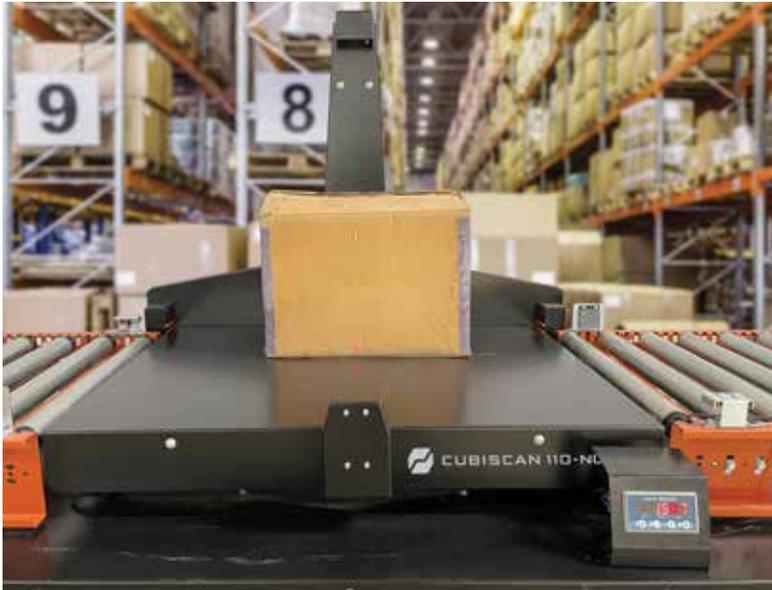
Mobile Solution – Can be moved around your warehouse easily.





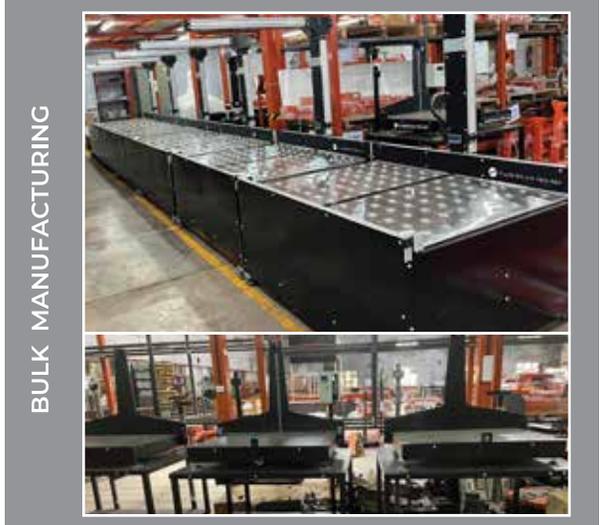
CUBISCAN

STATIC DIMENSIONING WEIGHING & SCANNING SYSTEM



- Cubiscan 100 IN**
- Cubiscan 110 ND**
- Cubiscan 150 ND**
- Cubiscan 25**
- Cubiscan 325**

CUBISCAN DWS Systems are useful for capturing length, width, height, weight, image and barcode details of regular and irregular shaped products and efficiently transfer the data to your system. These are useful within order- fulfilment process, distribution, warehousing, freight manifesting / auditing applications etc. These products help eliminate manual data entry, erase human error, and protect data integrity.



Scan the barcode



Capture barcode, length, width, height, weight, volume, volumetric weight & shipment image



Transfer the data to WMS



Print the Label



IN MOTION DIMENSIONING WEIGHING & SCANNING SYSTEM



Semi Automatic In-motion DWS

Fully Automatic In-motion DWS

System typically consists of:

Take off Conveyor

In Feed Conveyor

Spacing Conveyor

Weighing Conveyor

Dimensioning & Barcode Scanning Canopy

Outfeed Conveyor

Rejection Arm

NIDOWORKZ DWS Software

*Can be used in conjunction with Deneb sorters,
Regulus TBC, Canopus Conveyors and Sirius AMRs.*





Pop Up Sorter

Tote Divert Sorter

Linear Arm Sorter

Narrow Belt Sorter

Belt Carriage Sorter

Steerable Wheel Sorter

Universal Ball Sorter

Cross Belt Sorter

Nido Automation designs, develops and manufactures a comprehensive line of sorting systems for a diverse range of products, capable of sorting with great precision and high throughput.

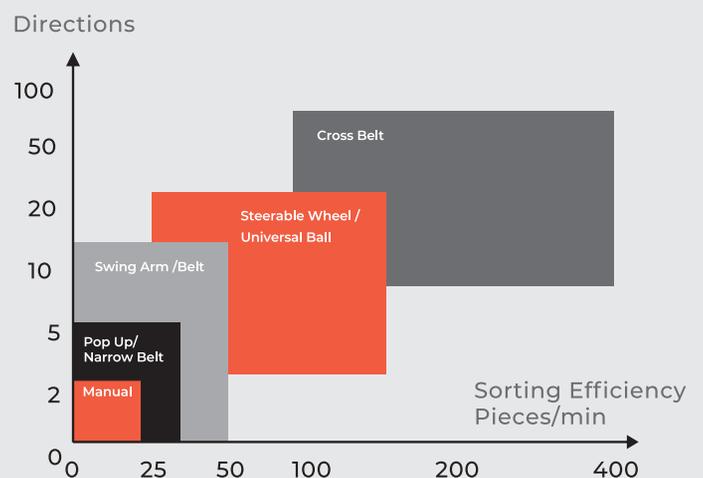
Nido Sortation solutions automate the processing and sorting system in your distribution center starting from the receipt of goods till sorting and dispatching, preventing wastage of time, materials and your valuable resources. Our one stop sorting solution are designed to turbo charge your sorting process from start to finish with great accuracy and throughput.



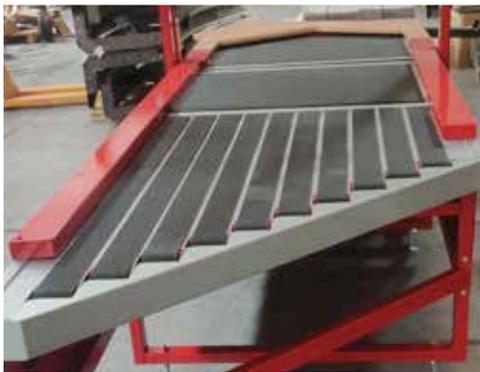
WANT TO KNOW WHICH TYPE OF SORTER IS RIGHT FOR YOU?

Tell us your requirement so that we can find the right one for you.

- Barcode type & location?
- Product dimension, min & max (mm)?
- Product weight, min & max ?
- Throughput requirement (pieces per hour)?
- Destinations requirement?
- Induction type?
- Dimension & weighing accuracy
- Infeed/Outfeed location?
- Available Space?



OUR SORTING MACHINES IN ACTION





PICK / PUT TO LIGHT SYSTEMS



Pick to Light - Order Fulfillment / Manufacturing

Put to Light - E-commerce Sortation

Pack to Light - Retail Store Replenishment

Automated Put Wall - Order Fulfillment / Consolidation

Order Picking Trolley - Batch Picking / Order Fulfillment

PUT TO LIGHT

Antares PTL System features easily visible lights that directs the operator to the item location along with the number of items to be picked. After picking up the item, the operator confirms the transaction by pressing a button.

PICK TO LIGHT

Pick to light system (PTL) is a order fulfillment support system by using light module. The operator simply walks to the storage location where the light illuminates and picks the number of items to be picked.

BENEFITS

66% increase in productivity

99.99% accuracy level

50% saving in labour cost

Paperless & efficient

Improved material flow with high throughput



Operator scans item barcodes attached to the parcel/container



LED lights illuminate & guide the operator to the put/pick the item



Operator puts/picks the item & presses a button to confirm.

ORDER PICKING TROLLEY



A flexible alternative to standard PTL system.

Allows to pick items for multiple orders in a single pass

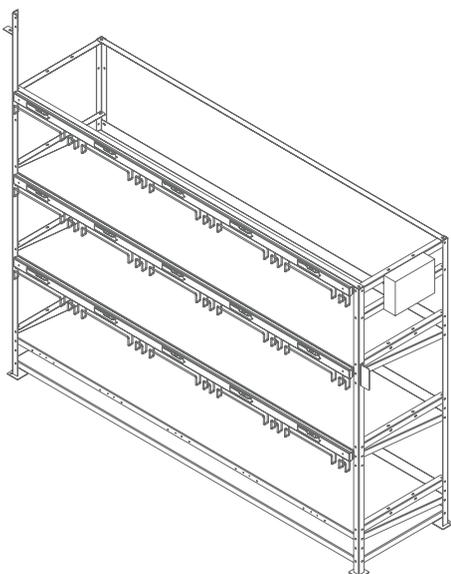
Easily integrates with client's existing ERP/WMS application

Flexible & effective to handle seasonal peaks.

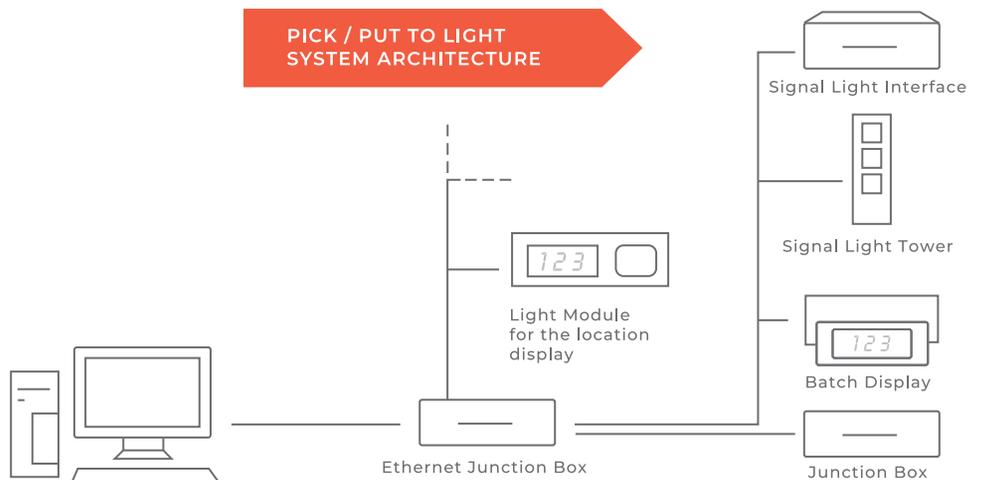
5x increase in pick/put rates

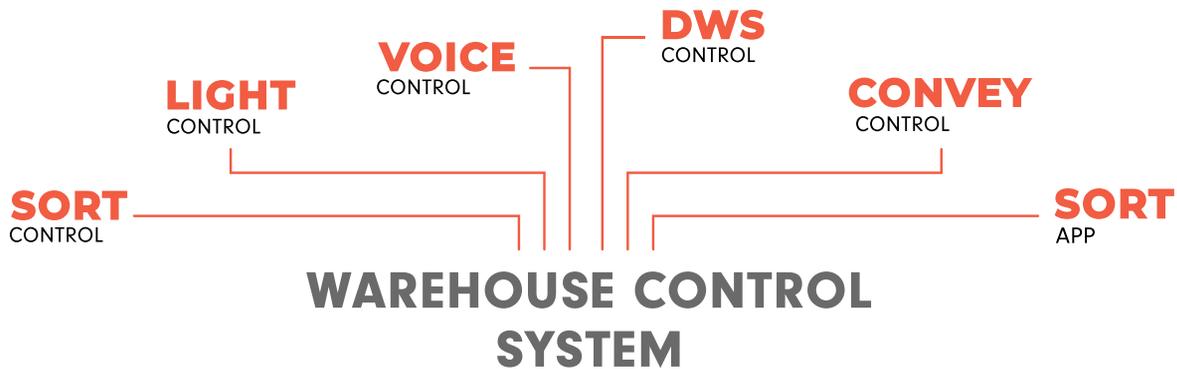
70% increase in accuracy level

50% cut down in labour costs



PICK / PUT TO LIGHT SYSTEM ARCHITECTURE





NIDO AI | **AI SUITE** | **AMR SUITE** | **NIDO NAV** | **NIDO FLEET**

ASSET CONTROL | **DASHBOARD** | **TICKET CONTROL**

The dashboard screenshot displays a barcode (1178747749749794), counter (12), and various measurement fields: Length (1178 mm), Width (1232 mm), Height (mm), Weight (650 gm), Volume (699236 mm³), and Vol. Weight (gm). It also features a history table, a log section, and a FIFO queue.

NidoWorkz is our proprietary modular software suite that collects the data from the machine and allows you to format, store, validate, utilize and transfer it as needed. With a variety of communication modules and integration options, it can smoothly sync with the existing ERP application creating an ecosystem where the hardware and software can communicate to deliver faster and accurate results.

- Software with user friendly interface to gather, validate and transfer data to many types of host systems and databases.
- Direct interface with WMS / ERP / Shipping application via API, ODBC.
- Custom import / export features, allowing data to be easily imported or exported into the

- majority of the warehousing and shipping software solutions.
- Data transfer on real time / batch mode / FTP basis.
- Integration with digital camera/Network camera to capture images with each measurement.
- Customised dashboards and reports created as per operational and management requirements.

**NIDOWORKZ SOFTWARE SOLUTIONS
SEAMLESSLY INTEGRATES WITH YOUR
EXISTING ERP APPLICATION**

Software Features:

Advanced Search & Filters

Interactive tables, graphs & reports

Flexible Configuration

Login & User Management

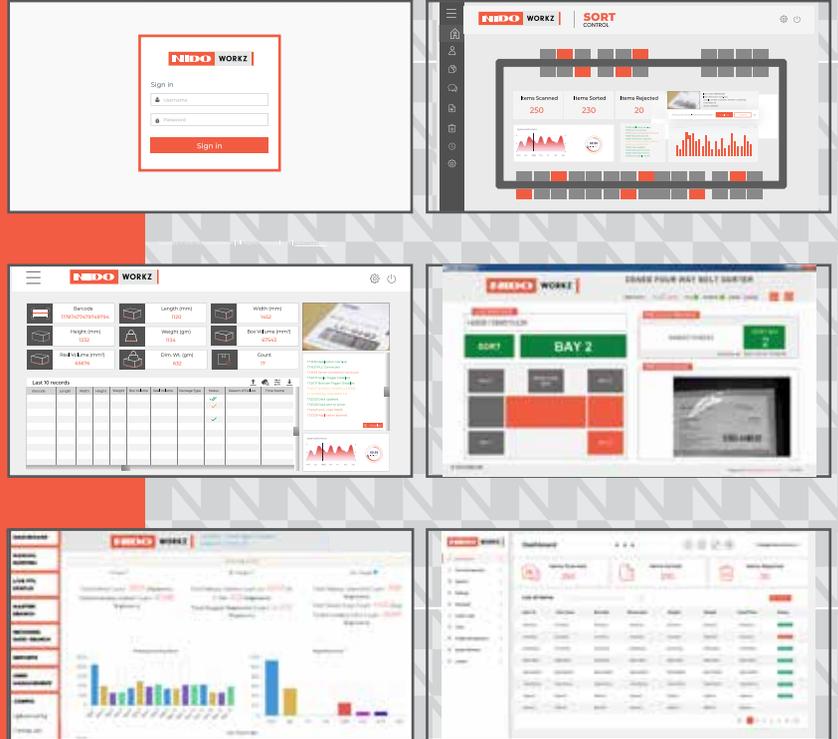
Triple layer safety

Realtime notifications & alarm

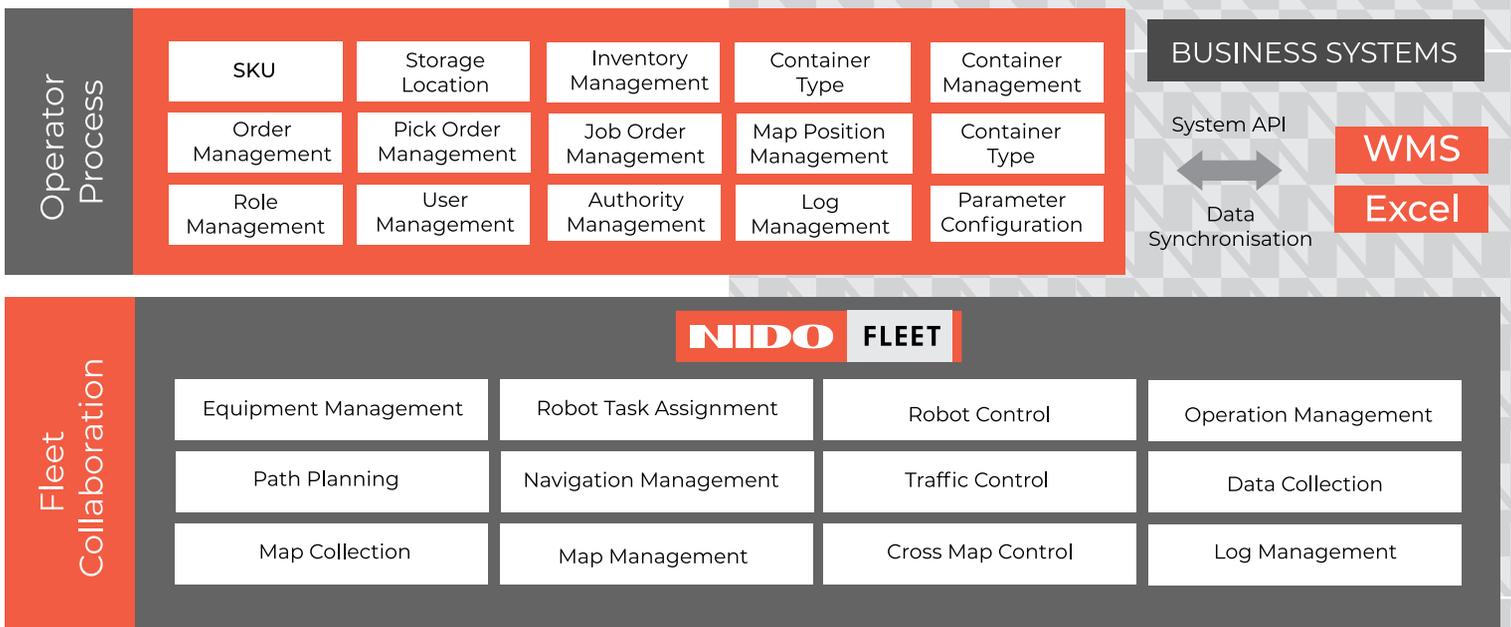
Seamless Integration with ERP

Android Based App Control

Live monitoring of fleet



FLEET MANAGEMENT APPLICATION



NIDObots AUTONOMOUS INDUSTRIAL VEHICLE

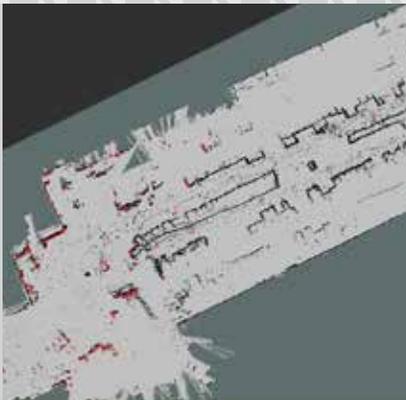


NIDObots assists in unmanning the material handling, movement and transfer of goods with the help of our fully indigenously designed ERIS, RIGEL, SIRIUS and IZAR series bots which are powered by our NIDONav navigation and NIDOFleet fleet management software.



**PALLET
MOVEMENT**

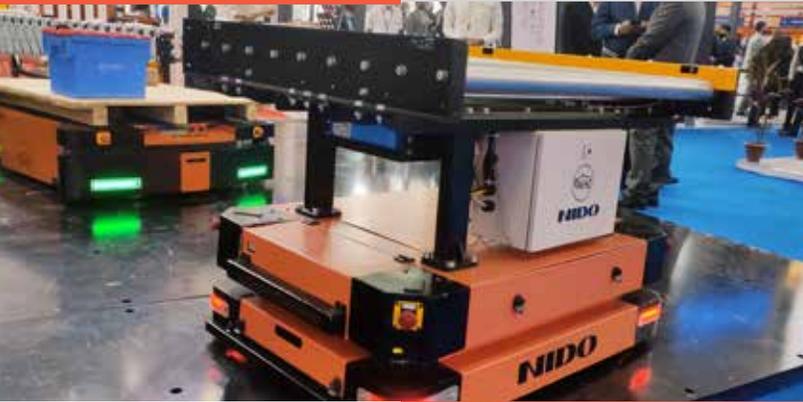
CAPACITY:
100 KGS
500 KGS
1000 KGS
1500 KGS



ERIS



Magnetic Tape



ATTACHMENTS:
AUTO HITCH TUGGER
SCISSOR LIFTER
TRANSFER CONVEYOR
PALLET LIFTER



SIRIUS



Natural

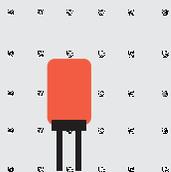
**ASSISTED ORDER
PICKING**



**MATERIAL
MOVEMENT**



RIGEL



QR code



**GOODS TO
PERSON**

IZAR

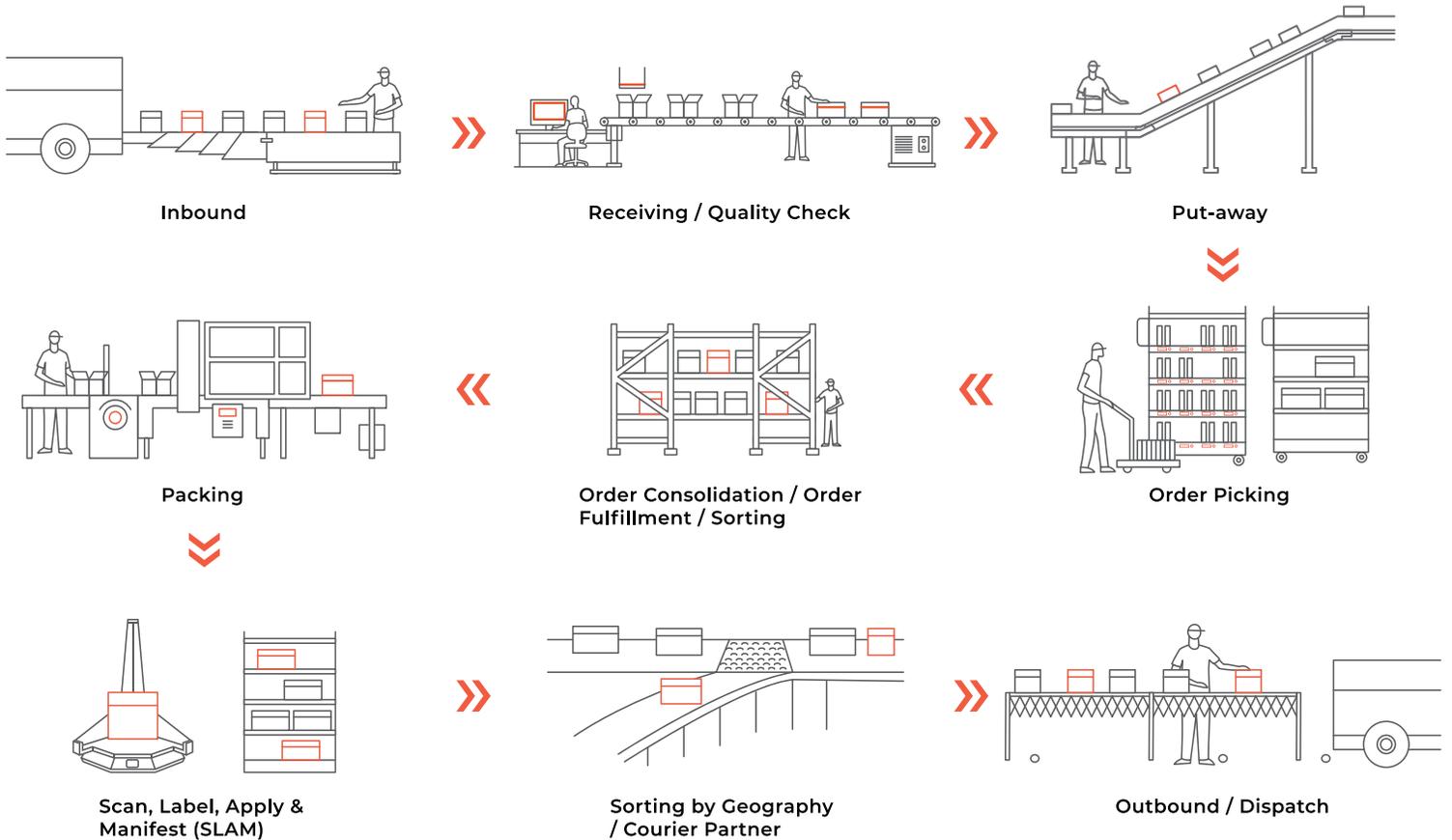


Natural

SORTING



MATERIAL FLOW AUTOMATION SOLUTIONS FOR ALL PROCESSES



INDUSTRIES

- E-Commerce
- Courier / Express / Parcel
- 3PL & Logistics
- Supply Chain
- Warehousing
- Food & Beverages
- Apparel & Fashion
- FMCG
- Pharma & Chemicals
- Automotive & Ancillaries
- Retail
- Electricals & Electronics

CUSTOMERS



NIDO Machineries Pvt. Ltd.

Corporate Office: Unit 311,
Wadala Udyog Bhavan,
Naigaon Cross Rd Wadala,
Mumbai 400031, India

Manufacturing Unit

& Experience Centre:
Gat No. 216 to 222, Gonde,
Wadivarhe, NH-3, Igatpuri,
Maharashtra 422403, India

M: +91 81081 15886

T: +91 22 4225 6225

E: sales@nidoworld.com

nidoautomation.com