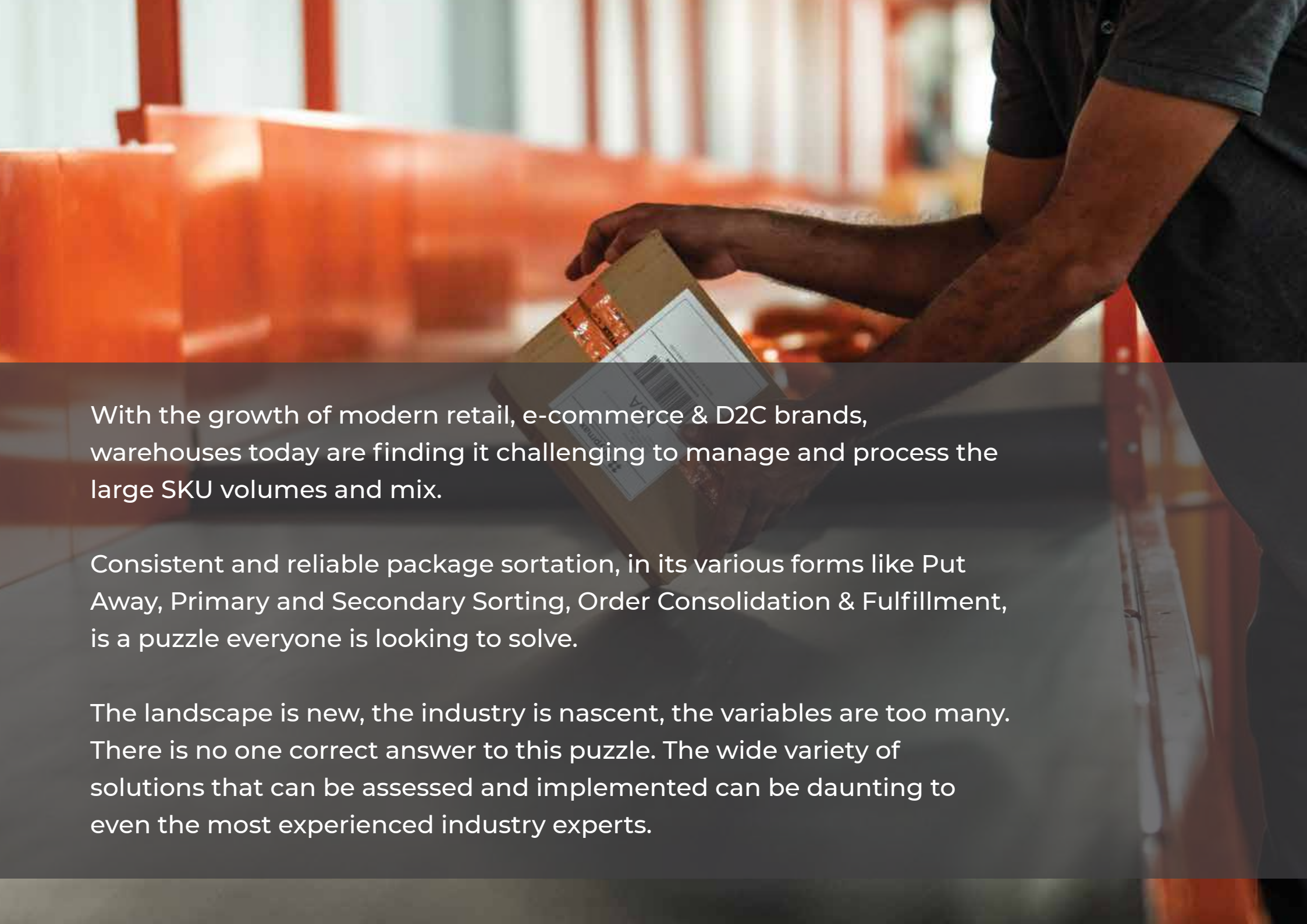




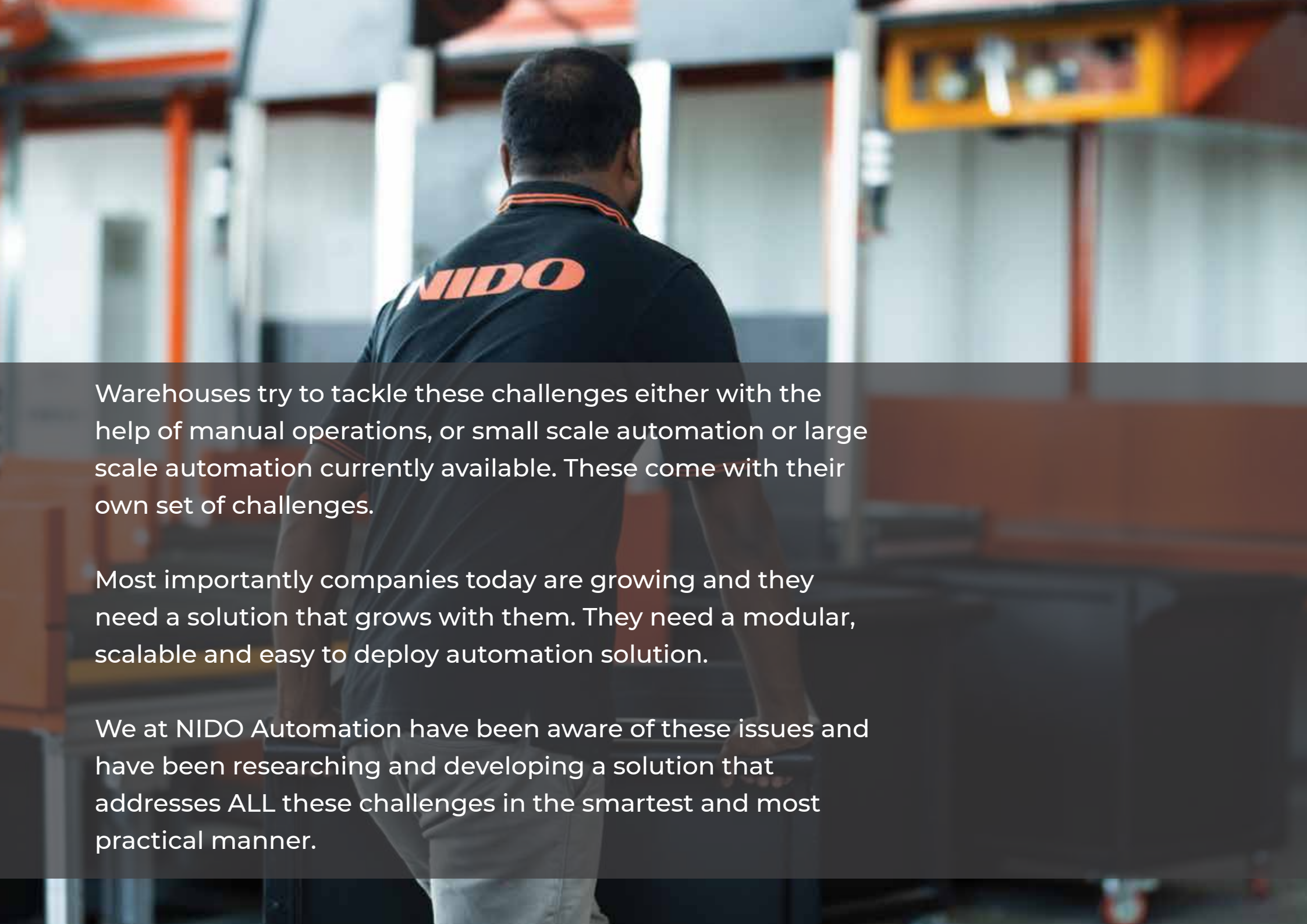
THE REVOLUTIONARY SORTATION SYSTEM
WITH INFINITE POSSIBILITIES

A person in a dark grey polo shirt is shown from the chest down, holding a cardboard box with both hands. The box is tilted and has a shipping label with a barcode. The background is a blurred warehouse setting with orange shelving units. A semi-transparent dark grey overlay covers the bottom two-thirds of the image, containing white text.

With the growth of modern retail, e-commerce & D2C brands, warehouses today are finding it challenging to manage and process the large SKU volumes and mix.

Consistent and reliable package sortation, in its various forms like Put Away, Primary and Secondary Sorting, Order Consolidation & Fulfillment, is a puzzle everyone is looking to solve.

The landscape is new, the industry is nascent, the variables are too many. There is no one correct answer to this puzzle. The wide variety of solutions that can be assessed and implemented can be daunting to even the most experienced industry experts.

A man is seen from behind, wearing a dark polo shirt with the word 'NIDO' printed in orange on the back. He is standing in a warehouse or industrial setting, with various pieces of equipment and structural elements visible in the background. The lighting is somewhat dim, and the overall tone is professional and industrial.

Warehouses try to tackle these challenges either with the help of manual operations, or small scale automation or large scale automation currently available. These come with their own set of challenges.

Most importantly companies today are growing and they need a solution that grows with them. They need a modular, scalable and easy to deploy automation solution.

We at NIDO Automation have been aware of these issues and have been researching and developing a solution that addresses ALL these challenges in the smartest and most practical manner.

OUR INSPIRATION

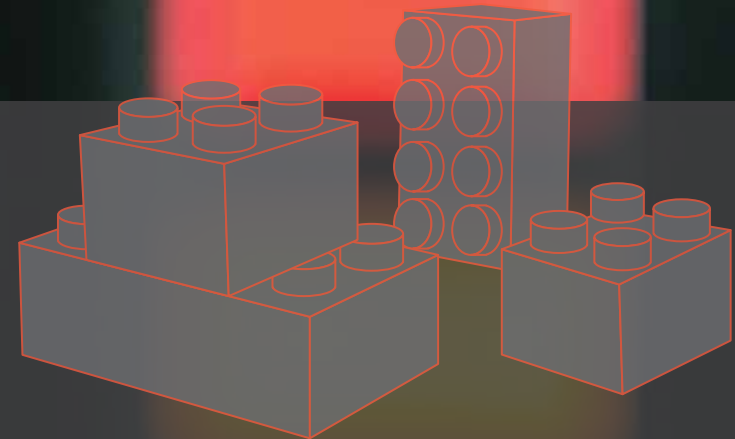
Building blocks - A simple system with infinite potential

Building blocks, that are popular across the globe, are a system of base pieces that can be assembled and connected in multiple ways to construct various objects. Anything constructed can be taken apart again, and the pieces can be reused to make new things. This offers infinite possibilities in terms of size, scale and usability.

This got us thinking....

Could we use existing 'base pieces' and assemble them in a way that solves a multitude of problems, thus eliminating the need for a different solution depending on the problem being addressed?

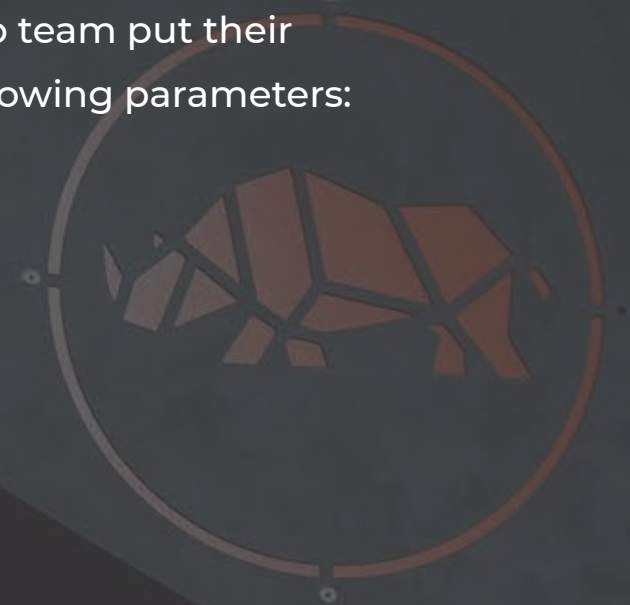
With our guiding principles of simplifying material flow automation and making automation accessible to all, we began the quest for the **ULTIMATE SOLUTION** for sortation automation within warehouses!



Our Design , Product Development, Solutioning & Senior Leadership team put their heads together to come up with a solution, keeping in mind the following parameters:

- *The product has to be scalable*
- *The product has to be modular*
- *Should be easy to deploy*
- *Should have a low operations and maintenance cost*
- *Should be compact & have a faster ROI*
- *Should atleast match all the offerings of current small, mid sized or large sortation automation systems*
- *Should be an intelligent system to provide operational flexibility*
- *Should be different from all currently available solutions*
- *Can 'grow' along with the customers' operations*

After over a year of trials, failures, iterations & learnings is born a revolutionary yet simple system that will change unit load sortation within warehouses.



Witness how a simple belt carriage can be innovately utilized to transform the manner in which intralogistics automation takes place.

The canvas of your warehouse can be brought to life with endless possibilities.

say hello to **Simple.**

say hello to **Non Conventional.**

say hello to **Automation that grows as you grow.**

say hello to **Automation TODAY.**

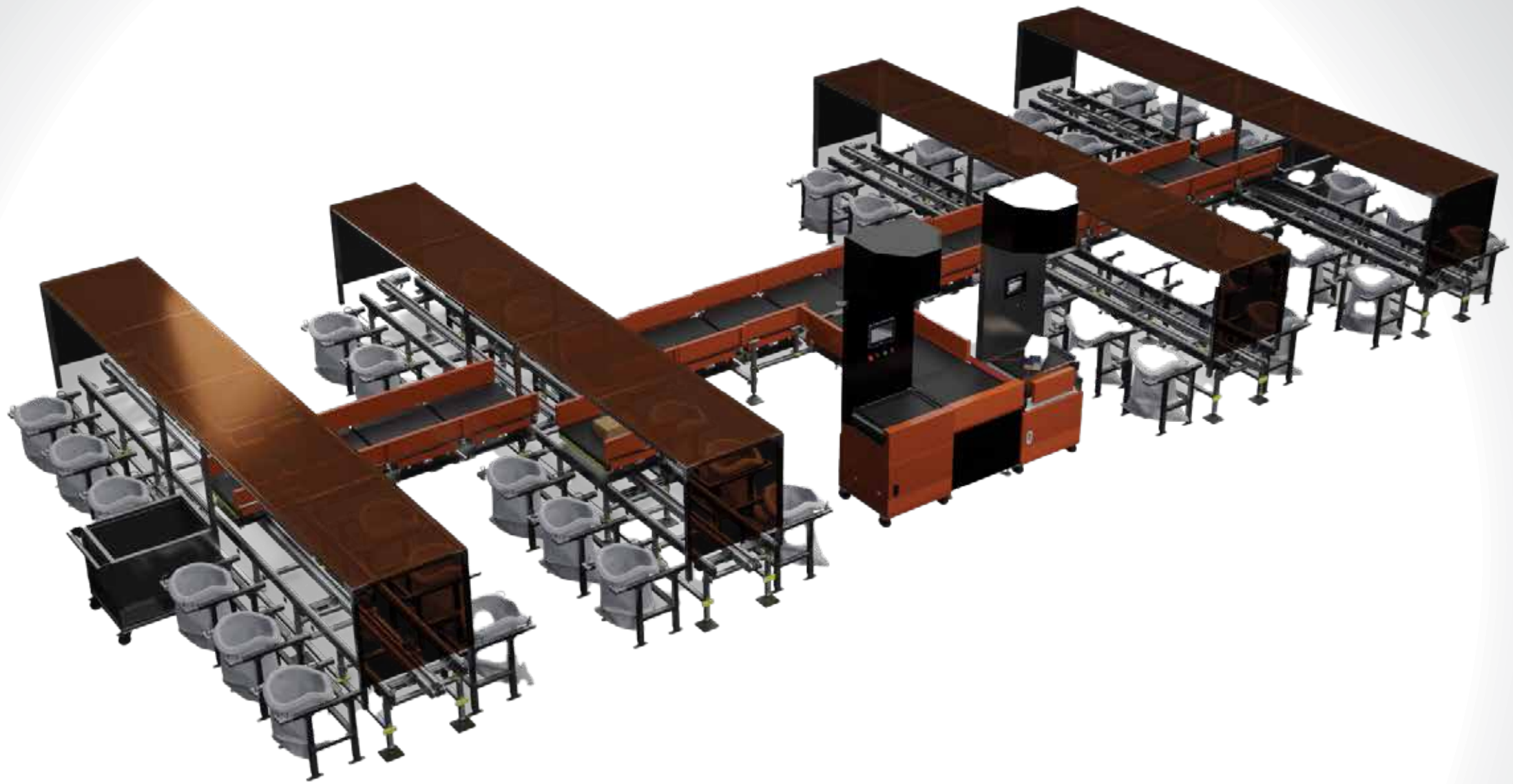
say hello to.....



NIDO



THE REVOLUTIONARY SORTATION SYSTEM
WITH INFINITE POSSIBILITIES



*ASTRO completely transforms
your warehouse operations*



The ASTRO Eco system lets you **adapt automation in your warehouse of any size**, for operations that are either too simple or too complex, to handle any kind of load and to do any kind of automation operation


It gives you the **flexibility to utilize only the amount of automation needed**, while the rest can be left idle. A perfect solution for operations that see a huge variation in the loads being handled.

It is an **intelligent system that works on the concept of parallels** - the whole system would never go down ensuring your operations never take a complete hit.



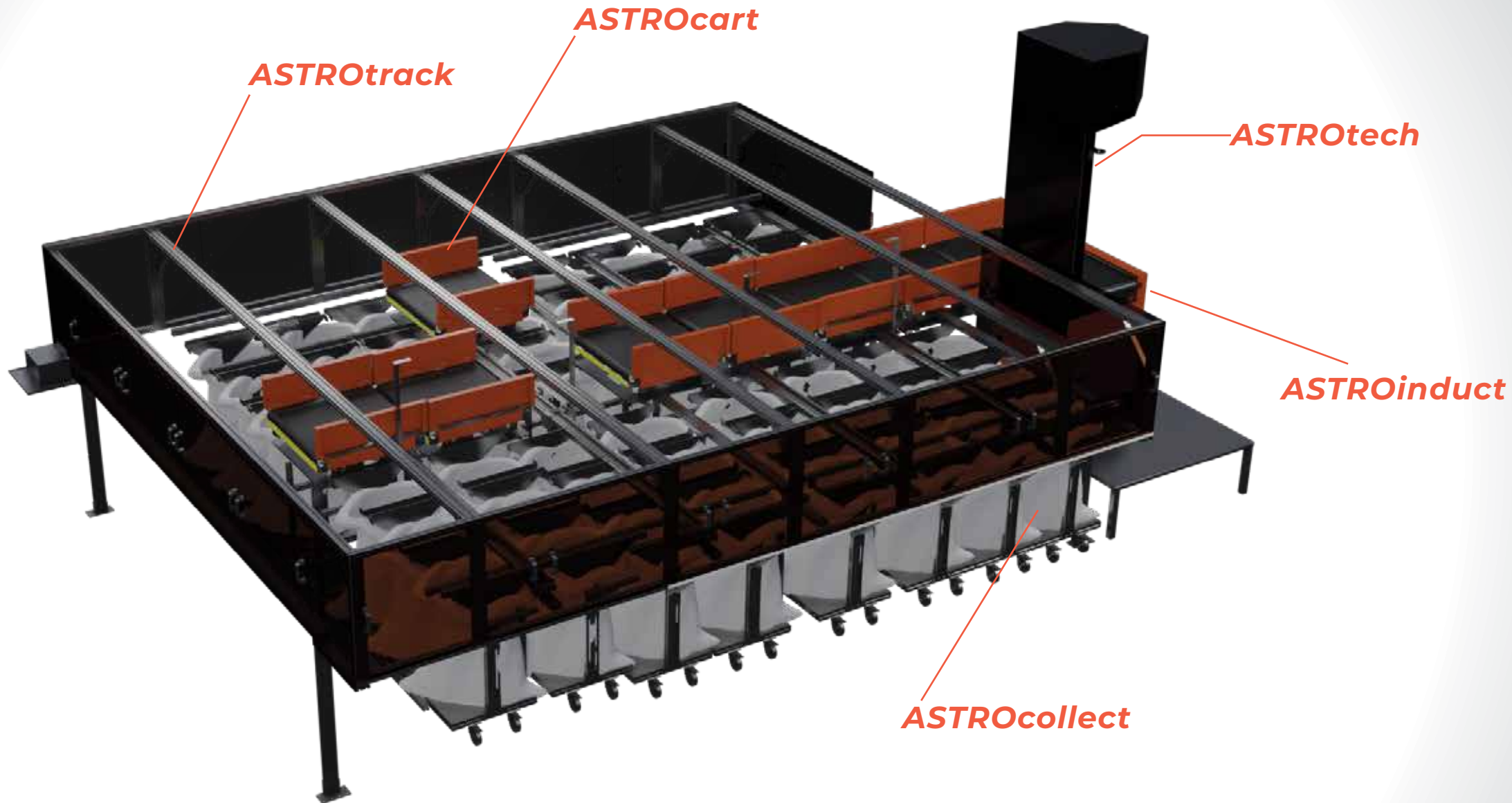
ASTRO EcoSystem =

ASTROinduct + ASTROcart + ASTROtrack + ASTROcollect + ASTROtech



The ASTRO EcoSystem
comprises of all the base
components that come together
to make the ASTRO you need for
your warehouse.

ASTRO EcoSystem





ASTROinduct

ASTROinduct is a **highly versatile system** to cater the modern requirements. It can cater to any type of conveyable shipment or bag and can be combined with profiling (weighing, dimensioning & barcode scanning) of the shipments. There are multiple options possible as per the application such as **Single induct, dual induct, parallel induct, in-line induct**, etc.



ASTROcart

ASTROcart is a humble **belt carriage** used to hold and convey shipments. There are 3 main types of ASTROcarts that form the base of the building block. Basis the type of application and the solution designed, the correct ASTROcart placed in the optimal orientation, works its magic to bring the ASTRO EcoSystem to life. These specially designed carts can either run independently or in unison with multiple other carts depending on the type of shipment is needs to convey.





ASTROtrack

ASTROtrack is a simple, yet innovative set of hardware which acts as the glue and **binds all the other components of the ASTRO EcoSystem** together. These are **servo driven tracks** that move the ASTROcart horizontally or vertically to the relevant position. The length, the height and the orientation of these tracks can be selected as per the layout. They are specially designed to be low maintenance and high speed, and at the same time have precise positioning for sorting accuracy.



ASTROcollect

ASTROcollect is the wide range of options that can be utilized for the **collection of shipments** which move on the ASTROcart and the ASTROtrack. Depending on the shipment type and the designed solution which is specially designed with intelligent features.

ASTROcollect options include bag holders, bins, cages, single or multi level chutes, single bag trolleys, conveyors, multi bag trolleys, , pigeon holes, rack trolleys, tote holders, etc.

ASTROtech

ASTROtech is **the brain behind the entire solution**. It is essentially the conductor of the ASTRO EcoSystem orchestra. It is a combination of Controls and Software that is highly intelligent with enhanced capabilities. It intelligently tracks the shipments from ASTROinduct to ASTROcart, aids in moving the ASTROcart smartly on the ASTROtrack and commands the ASTROcart to drop a shipment in the correct ASTROcollect option.





ASTROtech acts as a mediator and communicates 2 way with the client ERP / WMS and also the system PLCs. It also gathers all the captured information, analyzes the same and publishes analytics, notifications and alarms.

The special custom designed and developed algorithm helps with the below bespoke features:

Dynamic Load Configurator and Balancer:

The destination allocation is done dynamically, basis incoming data, so that the load balancing can be done optimally ensuring increased throughput.

Enhanced End to End Package Tracking:

Track and monitor a package right from its inception (first time it is scanned within a warehouse) till its death (the time the package leave the warehouse).

Customized Central Dashboard with an interactive UI:

The proactive alarms, notifications and reports help you monitor, analyze and take decisions in real time.

Optimal Path Planning & Mirroring:

Ensures destinations with the most number of packages are placed optimally or mirrored dynamically to ensure least travel time and the helps increase throughput.

Variable Throughput & Destination Matrix:

Now you can have the best of both worlds at your fingertips. The system can take real-time decisions based on the item attributes, ensuring items are being routed correctly.

endless possibilities...

any product profile, any number of destinations, any throughput

Package Type:

Boxes, Cartons, Jiffys, Polybags, Documents, Bags, Odd Shaped (Conveyable) items

Package Size:

100 x 100 x 20 mm to 1200 x 1000 x 600 mm

Package Weight:

50 gms to 60 kgs

Throughput:

Upto 30,000 pph

Sort Locations:

Upto 1500 destinations





WHAT MAKES ASTRO SPECIAL?

- ***Ability to handle a wide range of product profile***
- ***Accurate & High Speed Sorting***
- ***Small Footprint***
- ***Easy & Quick to Deploy***
- ***Modular & Scalable system that can 'grow' with you***
- ***Low operations & maintenance cost***
- ***Flexible to utilize only the amount of system needed at a point in time***
- ***Parallels Concept - the entire system would never go down ensuring operations never take a complete hit***
- ***Faster ROI***

Multiple challenges.

INDUSTRY CHALLENGES	HOW ASTRO ADDRESSES IT
Existing solutions are extremely rigid and designed to cater to specific applications	ASTRO is extremely modular, scalable, flexible & comes in a variety of configurations as per client and application needs
Manual operations are inefficient, riddled with inaccuracies , do not provide a clear visibility and highly dependent on trained manpower	ASTRO can grow with you . It can help you start off with automation at a very small level and expand as your needs increase . Due the extremely quick ROI , you can adopt automation and avoid manual operations
Simpler automation solutions lack intelligence and are not dependable . They are error prone, inefficient and typically have a low throughput / sort destination matrix. Mostly importantly they cannot handle extreme load variation	ASTRO can replace the simpler automation solutions with its easy to deploy, cost effective, highly intelligent industry grade solutions. With high sorting speeds and high accuracy, these systems can easily replace existing simpler automation
The larger and more complex solutions are too expensive , have a long lead time & go live time . Typically they have a large foot print and need highly skilled manpower	ASTRO with its smaller footprint, quick deployment, ease of use, simple intuitive design and a variable throughput / destination matrix is a clear winner. With the building blocks structure and flexible design where you use only the amount of system needed to process the packages, ASTRO has a lower operations & maintenance cost
Current systems have high downtime and are difficult and expensive to maintain	ASTRO has a minimal number of parts which are very easy to replace and the modular structure means even in extreme cases, the entire system is never down - a system would only be down partially. This leads reduced maintenance headaches

Multiple Applications.

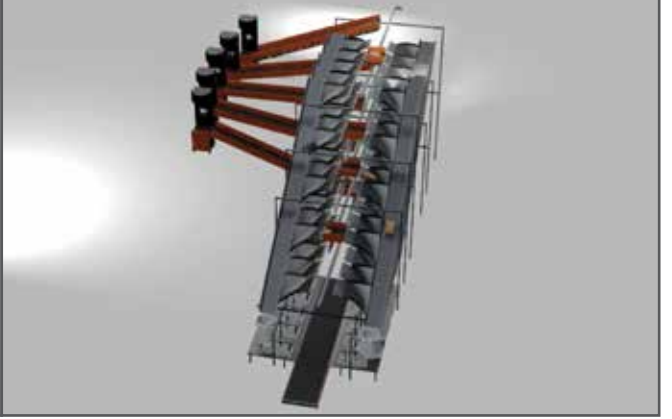
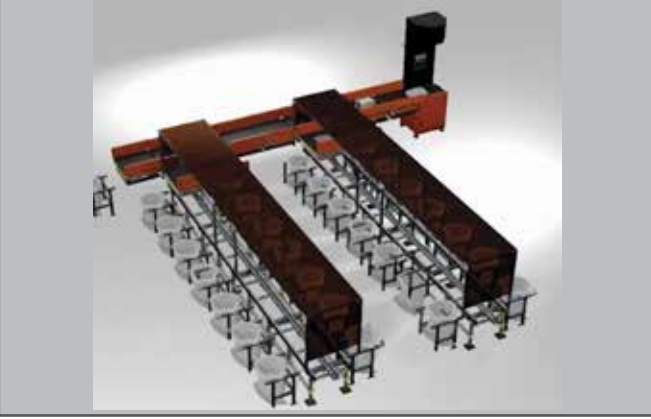
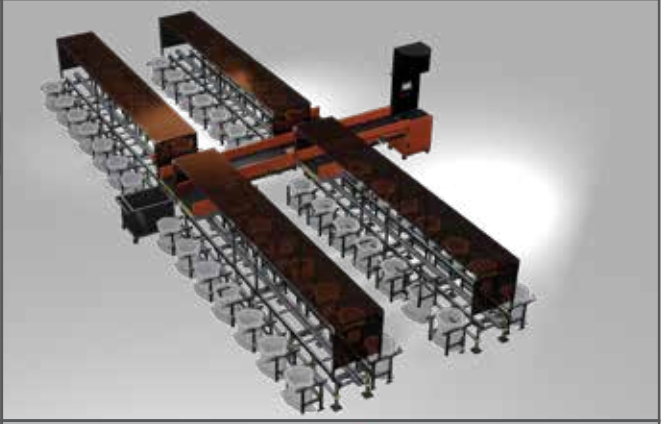
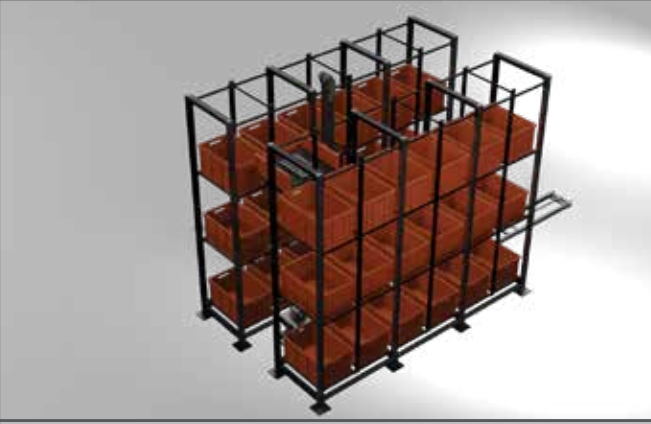
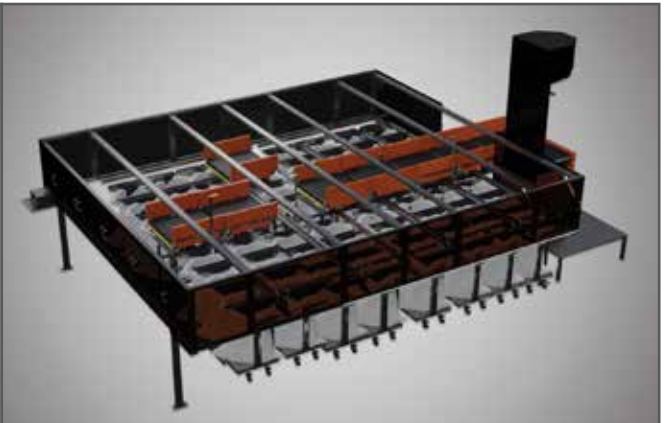
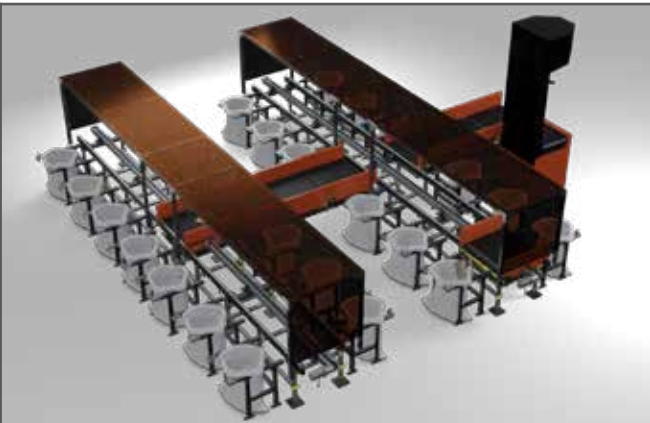
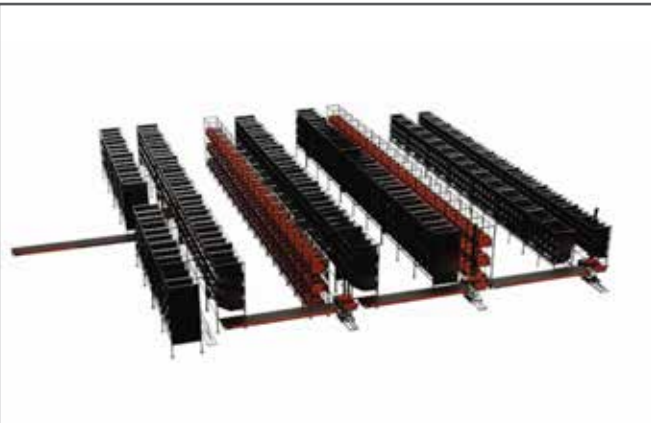
- Micro-Fulfillment Solutions
- E-Commerce Operations
- Order Consolidation / Order Fulfillment
- Store Replenishment
- Pharmaceutical / Retail Fulfillment
- 3rd Party Logistics and Fulfillment
- Postal and Parcel Sortation
- Package Putaway & Picking
- Inbound Package Sortation
- Returns Sortation
- Direct Bagging

Multiple industries.

- E-commerce
- Courier, Express, Parcel
- 3PL & Logistics
- Warehousing
- Retail, Fashion & D2C Brands
- Pharma & Chemicals
- Automotive
- FMCG
- Food & Beverages
- Quick Commerce



INFINITE POSSIBILITIES





*Join the future
of logistics today.*

*Elevate your logistics operations
with NIDO sorting System.*

*Unlock efficiency, accuracy, and
cost savings like never before.*

Conceptualized, designed and
developed in India. Made for the World

Contact us to revolutionize your
warehouse operations.

Multiple Applications. Multiple Industries. Multiple Challenges.



ONE SOLUTION. ENDLESS POSSIBILITIES.



NIDO
AUTOMATION

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