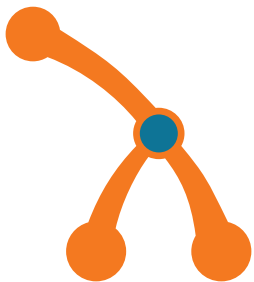


# LITOCART

Meet operators' intuition in low cost and high efficiency automation solutions...



# System Overview

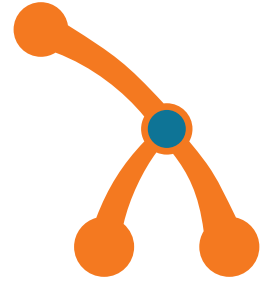
## A scalable Lean principles-based batch picking system



### The Cart

Introducing Lito's Picking Cart – an unparalleled ergonomic solution designed with a versatile, adaptable structure that revolutionizes your workflow. Lito's Cart offers the lighter open-access design (non-caged, 360° toads accessibility), combining extreme robustness with ergonomically optimized features and the unique advantage of self-molded racks. Its patented characteristics empower Lito Material Handling Automation, to seamlessly adhere to a Customer's Self-Assembly policy, complemented by On-Site System Commissioning, or tailored Engineer-To-Order Services to meet your specialized requirements.

# System Overview



## Technology

Lito's Cart features cutting-edge technological components with low power consumption, ensuring extended battery life for uninterrupted operations. With its single-move battery exchange capability and its 'Play Where Posed' capability on power supply interruption, it maintains business continuity even in multi-shift environments.

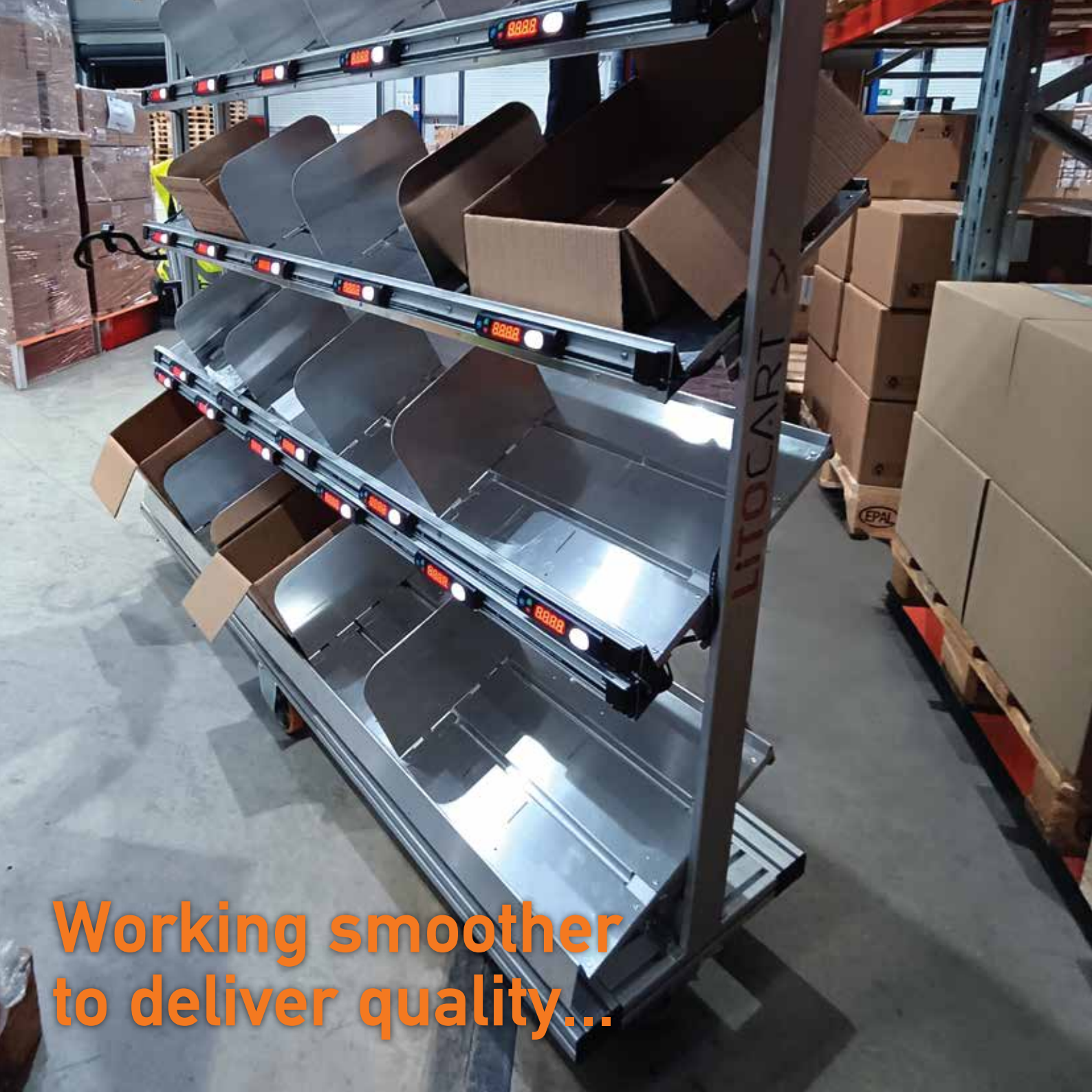
Operators benefit from an 8-inch heavy-duty touchscreen for intuitive navigation, while a 2D barcode scanner streamlines trip loading tasks, and SKU validation. Slot-light tags provide clear toad quantity indication for valid SKUs, ensuring accurate dispatched quantity confirmation.

Optionally, a motion-assisted drive enhances ergonomics and minimizes performance fatigue, ideal for frequent stops or heavy loads.

Lito's batch picking system includes standard workflow features for printing packing slips, labels, or other shipping documents directly from the back office system upon trip completion. For added flexibility, carts can be equipped with mobile barcode printers as needed.

## Software

Lito's batch picking service utilizes Unix-based embedded software to manage cart operations, execute loaded trips, and seamlessly integrate feedback into your back-office system for further processing. The scalability of your cart fleet directly impacts your order fulfillment capacity, allowing for flexible expansion and efficient scaling. Simply augment your fleet with additional carts to bolster distribution center operations, with each unit autonomously selecting trips from your back-office order picking lists pool.



Working smoother  
to deliver quality...

# Picking Cart Advantages

System directed batch picking, for SKU  
“one touch” policy on orders fulfillment  
with minimum trips around the isles



# Picking Cart Advantages

Discover the unmatched benefits of batch picking with our uniquely designed equipment. Experience unparalleled advantages such as:

- Exceptionally lightweight construction for effortless maneuverability
- Front-loading design for enhanced productivity
- Adjustable dimensions to adapt to varying needs
- Ergonomic features for fatigue-free operation
- Optional motion assistance for handling heavy loads
- Hands-free material handling for increased efficiency
- Intuitive data interface for seamless operation
- Light-directed sorting confirmation for accuracy
- Robust, maintenance-free construction with heavy-duty devices onboard

Our embedded Automation Software ensures zero maintenance and enables a fleet - cluster of carts to autonomously upload trip data and execute tasks with maximum scalability and reliability.

Discover the advantages of Lito's Cart-enabled batch picking, including:

- Improved order accuracy
- Increased pick rate productivity throughout the entire shift
- Reduced wave cycle time
- Lower order fulfillment costs per line
- Unlock the potential of efficient batch picking with Lito's innovative solutions

Experience the following advantages with Lito's cutting-edge solutions:

## Enhanced Picking Speed

Utilize our pick-by-order process with the "One Touch" policy to minimize trips and simultaneously pick multiple orders, resulting in a remarkable increase in overall picking speed, up to 200%.

Light Directed Picking Carts amplify picking speeds by up to 40% compared to paper-based methods.

# Picking Cart Advantages

## Improved Ergonomics

Lito's Cart features a Registered Industrial Design meticulously engineered over a decade of warehouse operations.

- Unique detached handle design allows for unrestricted leg movement during high-speed walking.
- Double slide light tags eliminate the need for bending while placing goods at lower levels, while reducing misplacements at the same time.
- Enjoy 360-degree accessibility to toads, minimizing delays.
- Despite its lightweight construction, the Cart remains robust, reducing operator fatigue.
- Position adequately Cart elements (i.e. heights and inclination of racks) to fit operators and warehouse requirements seamlessly.

## Enhanced Accuracy

Specific provisions have been adopted to mitigate risks of misplacements, such as the need of the SKU validation, via a 2D barcode scan, for the light tags to indicate placement of goods. Adhere to the One Touch policy during order fulfillment to minimize errors and enhance productivity.

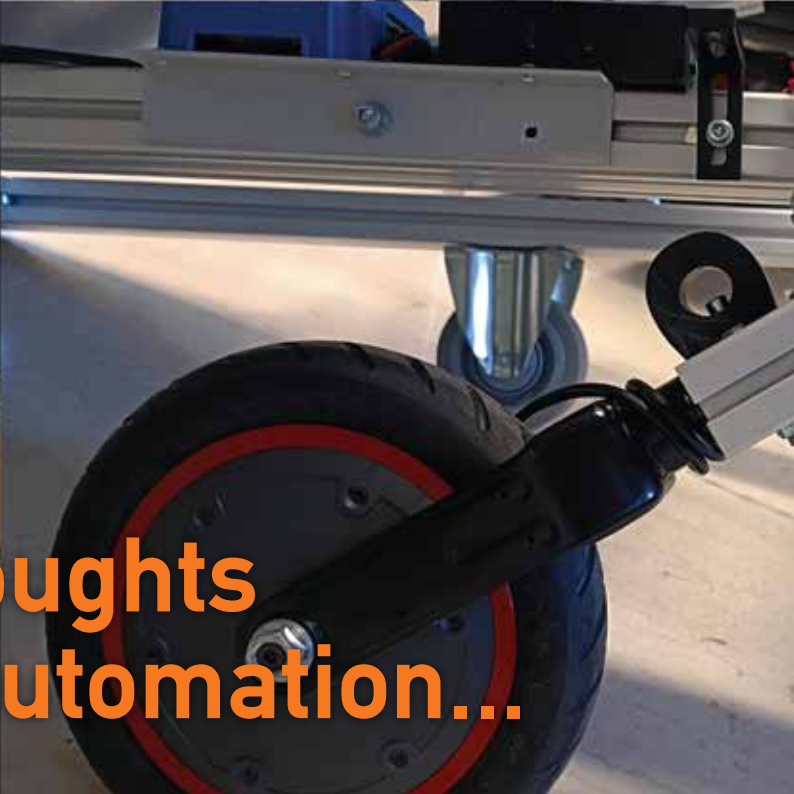
## Value for Money Automation

Introduce batch picking systems enabled by Lito's Carts for an affordable, scalable solution. Enjoy maximum scalability, reliability, and flexibility, making it the ideal value-for-money automation solution for warehouses of any size.

Lito Cart, is an ITEM Alu structured solution, assembled by certified quality components



Lito's Cart Design is protected by HIPO\_6004795 (the Hellenic Industrial Property Organization)



**Lighten your thoughts  
about low cost automation...**

# Applications + Industries

Cart automation maximizes multiple material handling tasks



Lito MHA proudly declares itself as the foremost authority in Cart innovation worldwide. Our expertise shines through in the distinct design of our front-loading carts, instantly recognizable by their sleek silhouette. Featuring a range of "best for purpose" components such as Li-ion batteries, a spacious touch pad, fixed-positioned barcode scanner, easy-to-access light tags, ergonomic steering crowbar and its innovative embedded automation software, Lito's Cart is engineered to deliver effective and efficient orders fulfillment across diverse industries. It's no wonder that Lito's Cart consistently earns the top spot as operators' preferred choice for order fulfillment.

Industries We Serve:

## Pharma and Cosmetics

Leveraging batch picking with Lito's front-loading carts, the Pharma and Cosmetics sector streamlines operations. Designed with precision to fit narrow aisles, Lito's carts ensure optimal maneuverability even when fully loaded, making them indispensable in this industry.

# Applications + Industries

## Spare Parts Distribution & Assembly Line Fulfillment

With a vast array of parts to manage, Lito's front-loading carts offer versatility. Equipped with an auxiliary top rack and adaptable backside configurations, they facilitate efficient handling of voluminous or extra-long parts, ideal for batch picking in slow-moving environments.

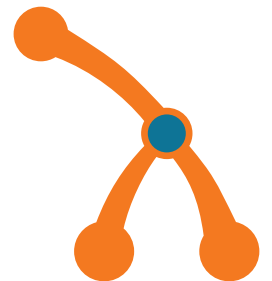
## e-Shop Retail Sales, Books, and CDs

Similar to Pharma and Cosmetics, this industry benefits from Lito's solution. Our carts enable low-cost automation by segregating slow-moving items into shipping cartons, that consequently are used to collect fast movers, through "Pick and Pass" sequences at in-line picking stations.

Experience the transformative power of Lito's Cart solutions across diverse sectors, driving efficiency and productivity to new heights.

## Industries Benefiting from Lito's Cart Cluster Picking Solution

- Retail
- Direct Marketing
- Computers and Electronics
- Health & Beauty
- Pharmaceuticals
- Automotive
- Third Party Logistics & Fulfillment
- Manufacturing
- Grocery & Convenience, and more...



# About Us



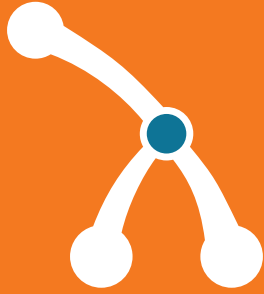
## Lito Materials Handling Automation

We are a dynamic team of passionate engineers and seasoned industry experts committed to enhancing the operational experience for operators while optimizing process efficiency and effectiveness.

Our youthful energy drives continuous innovation as we leverage cutting-edge technology to design solutions that address the unique challenges of the logistics industry, producing groundbreaking products for human-driven automated solutions.

Our doctrine is to enhance productivity by embracing the principles of Lean Operations. Our vision is to deliver Pick-to-Light (PTL) turnkey solutions that adapt effortlessly to any business model or operational flow, minimizing commissioning time while optimizing execution efficiency.

# LITOCART



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