

# CIMCORP

## MAIL SORTING WITH MULTIPICK

Greater speed  
and operational  
flexibility



# MULTIPICK SMOOTHS THE FLOW OF MAIL



The growth in digital media is putting additional pressure on traditional postal services to provide fast and reliable deliveries at a competitive cost. MultiPick, the versatile robotic solution from Cimcorp, can help mail companies to meet this objective.

## Proven technology

MultiPick has a long and successful record of automated buffer storage and order picking, particularly in the food & beverage and tire industries. Now MultiPick's efficiency benefits can also be enjoyed in the postal sector.

Using an overhead gantry, MultiPick robots are able to operate over large floor areas or mezzanines. Mail is handled in trays, which are stacked directly on the floor.

MultiPick robots sort the trays into stacks according to characteristics such as type (sorted or unsorted), class (first or second) and destination (sorting centers or zip code). The destination-specific stacks are ready to be loaded into transport units for dispatch.

## Efficient buffer storage

MultiPick operates as a buffer storage area between mail acceptance and the sorting machines, as well as between the sorting machines and dispatch. Normally, trays arriving from the mail acceptance area are taken directly to the sorting areas. If, however, incoming mail is not immediately required by the sorting machines or the manual sorting areas, the trays are transferred to the MultiPick buffer storage area. As soon as trays are needed, the sorting areas 'pull' them from the buffer store on demand.

Trays return to the MultiPick area after the first sorting stage (outward sorting, to other sorting centers) and the second sorting stage (inward sorting, for the local area) where outward trays are

stacked according to sorting center and inward trays are stacked according to local delivery office.

## Rapid order picking

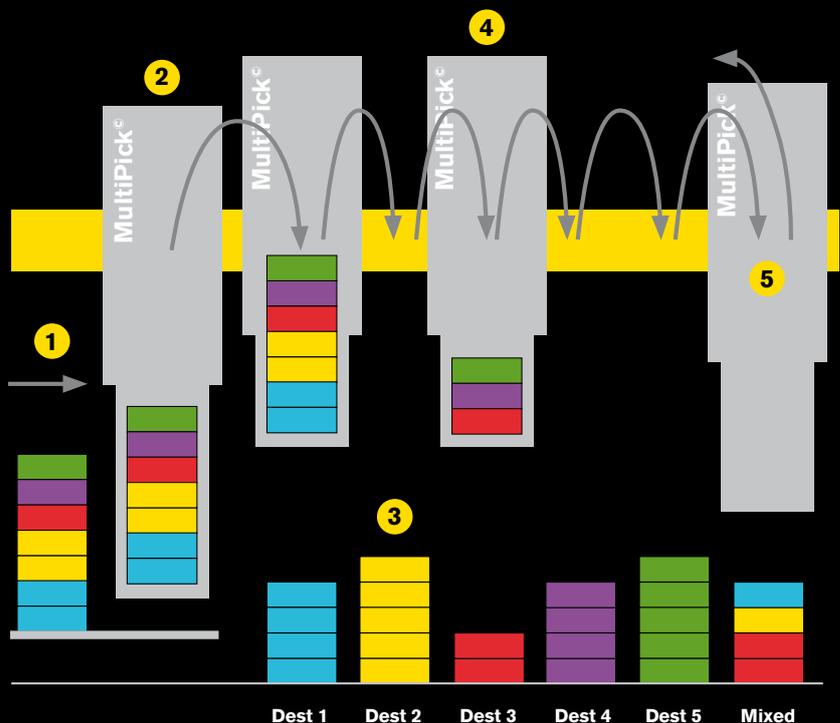
When a transport unit load of mail is ready for dispatch, a MultiPick robot transfers the trays to roll containers or dollies, which are wheeled to a marshaling area or directly into the delivery vehicle.

The MultiPick system can handle trays arriving in any order, arranging them in stacks according to dispatch sequence. This means that the required mail can be picked and loaded into waiting delivery vehicles extremely quickly.



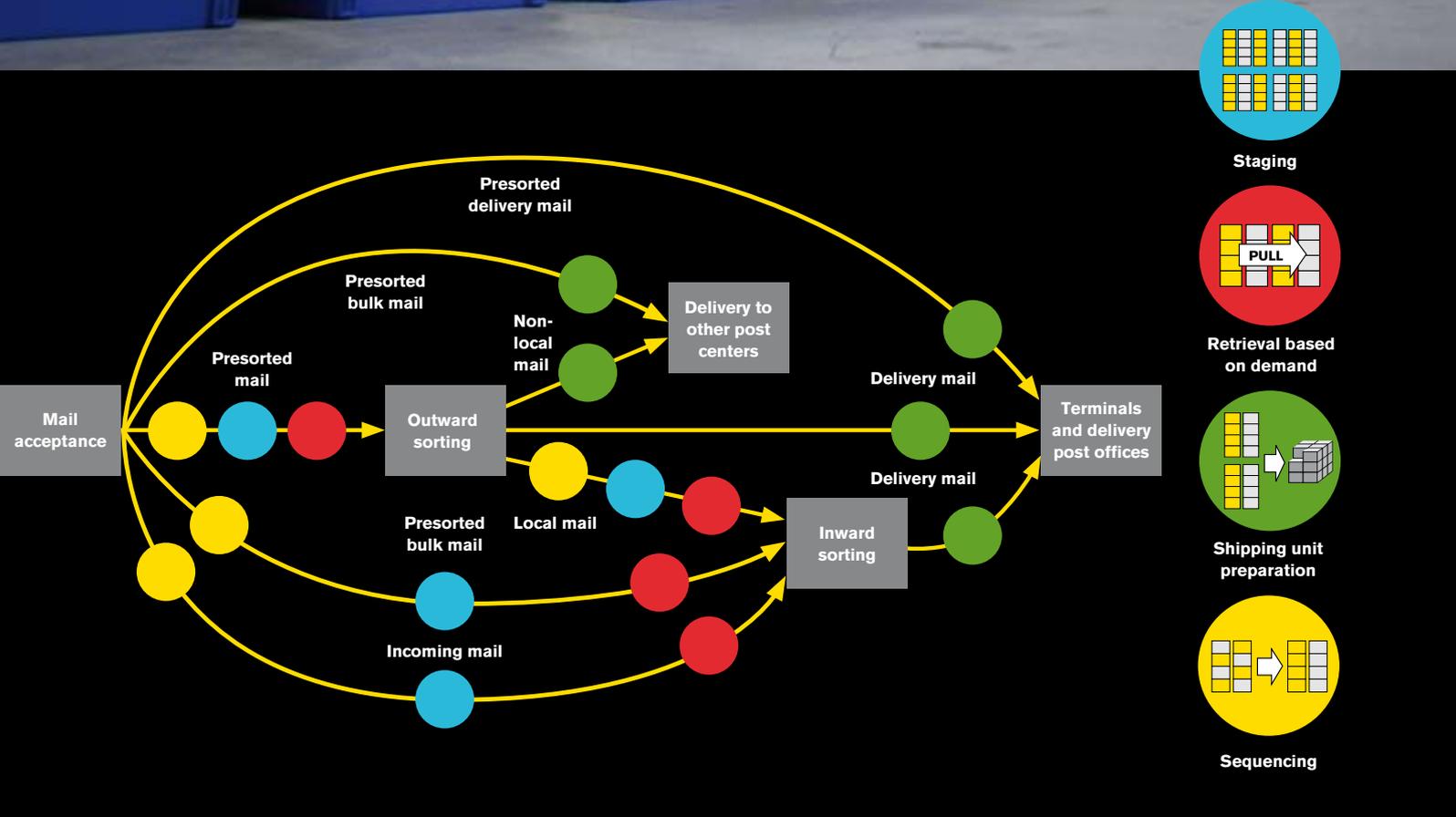
## MultiPick operating principle

MultiPick robots sort trays into stacks according to characteristics such as type (sorted or unsorted), class (first or second) and destination (sorting centers or zip code). The destination-specific stacks are ready to be loaded into transport units for dispatch.





**MultiPick versatility**  
 Robotic handling can be used throughout the various stages of mail processing.



# KEY BUSINESS BENEFITS

Cimcorp's MultiPick solution secures a number of key business benefits for postal companies.



## Increased sorting capacity

MultiPick can sequence trays into larger batches for the sorting machines, allowing them to run for longer periods with the same set-up. This enhances the availability of the sorting machines, increasing overall sorting capacity.

## Improved system throughput

Through supplying larger batches of mail to the sorting areas, combined with intelligent production planning by the customer, MultiPick can receive back larger batches for storage. This improves the handling capacity of the robots, which is beneficial, especially in the time-critical final sweeping of first class mail.

## Enhanced handling of peaks

MultiPick works flexibly to meet demand. The robots store unsequenced stacks of trays until they are needed, relieving pressure on the conveyor system and allowing peaks to be handled with ease. Once peaks have been cleared, MultiPick can return to sequencing trays, ready for further processing.

## Better use of space

The MultiPick solution allows storage and sequencing operations to take place in the same area, with storage of trays in stacks ensuring optimum space utilization. Floor-based storage allows easy cleaning and maintenance when required, as well as manual access to all trays in the event of malfunction.

## Fast vehicle loading

Sorting and sequencing of stacks in the MultiPick area means that mail required for dispatch can be retrieved from storage and loaded into delivery vehicles rapidly, enabling postal operators to meet their tight loading windows.

The international accreditation company Bureau Veritas has awarded Cimcorp with the **ISO14001: 2004 Environmental Certificate.**

Cimcorp strives to take the environment into account in all its activities. Everything that can be recycled is recycled in the company, for instance wood, glass, paper and cardboard. Office waste that can be incinerated is collected in recycling bins. The lowest possible use of energy – electricity, heating and even compressed air – is required in order to get the certificate. Emissions to air and use of water have to be minimized. The products made by the company should be energy-efficient and constructed of recyclable materials that are manufactured in a way that saves resources and sustains the environment. In addition, the company must oblige its suppliers to act in an environment-friendly way regarding recycled materials.



## CIMCORP IN A NUTSHELL

Cimcorp's customers are companies in the field of production and distribution. The solutions provided by the company for the automation of logistics and production improve the profitability and competitive edge of their customers' businesses. Solutions are based on advanced robotic and software technologies and on highly developed service concepts. We have already supplied over 1,500 robotic systems for challenging applications in materials handling in over 30 countries.

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