



UTECONTEC
Industrial automation systems

AUTOMATIC WAREHOUSES

Stacker cranes & Miniloads





4500 m²
surface area



CAD - AUTOCAD - 3D
Project design



50 years
of experience



global
management



problem
solving



qualified
production



1968

CONTEC
Foundation
year



uteco

1985

UTEKO
Foundation
year



1996

Merging to
UTEKO CONTEC



UTEKO CONTEC

2018

UTEKO CONTEC
50th anniversary

Only a company with a **great past** can have a **great future.**

Since 1968 Uteco-Contec has been a leader in the industrial automation system. Our company develops simple up to complex solutions with the global control of the production flows.

It combines the handling systems with the most advanced electronic equipment, for an integrated management of the production process.

Over 50 years of experience makes Uteco-Contec a reliable partner you can trust on, to open the new frontiers of automated handling systems. Choosing Uteco-Contec means to have everything you need to solve many of your necessities in automation.



TOP LEVEL PROJECT DESIGN

Uteco-Contec combines the handling systems with the most advanced electronic equipment, for an integrated management of the production process: it is in fact able to integrate each plant with existing management systems.

The internal staff of mechanical and electrical designers uses the most advanced CAD and 3D software.

Uteco-Contec develops operational and management software ensuring functionality and efficiency.



TOP LEVEL CONSTRUCTION

Uteco-Contec can offer turnkey systems.

It can design global solutions or integrate with existing projects, to improve performance and functionality. The new production plant in Campogalliano is equipped with specific production, assembly, testing, and quality control departments.



AUTOMATIC WAREHOUSES SERVED BY **STACKER CRANES**

1

**GREAT HEIGHTS:
GREATER
STORAGE**

2

**LOAD
MANAGEMENT
CONTROL**

3

**WORKING TIME
OPTIMIZATION**

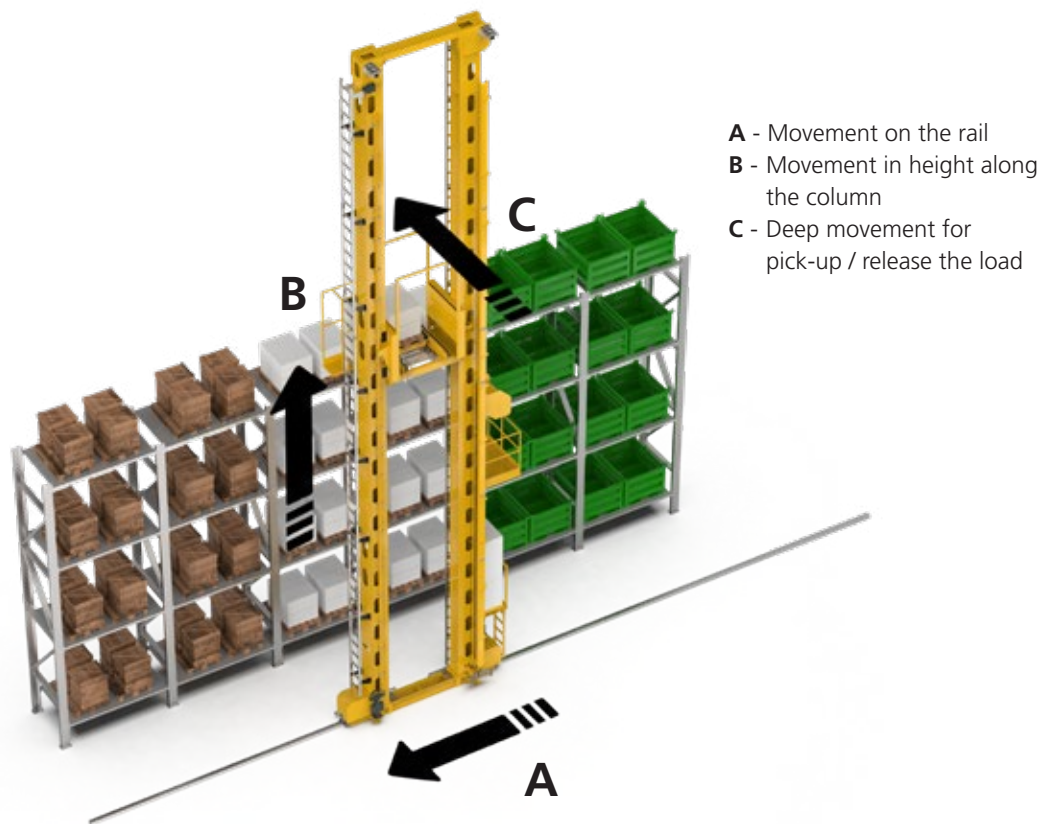
4

**SPEED IN
STORAGE
ACTIVITIES**

Stacker cranes for pallets, metal caissons, coils, and other loading units.

We produce single or double column stacker cranes capable of operating in one or more aisles; the machine can be with single or double equipment for pick-up / release the load; the loading unit consists on: telescopic fork (single, double or triple deep), or satellite (multi-depth), or customized with special device (according to the load to be handled).

The technologies used and the studies carried out allow us to guarantee high performance and accuracy both at ambient temperatures and in refrigerated environments up to -30°C .



UPPER HEAD

SUPPORT COLUMNS

Internally reinforced for great resistance to torsion and flexion.

LIFTING CARRIAGE

CABINET ON BOARD OF THE LIFTING CARRIAGE



CONTRAST ROLLERS

They allow the adjustment of the carriage in horizontal, vertical and transverse directions.

LIFTING UNIT

- with chains
- with rope

LOAD HANDLING DEVICE

- telescopic forks
- multi-depth satellite
- roller conveyor
- chains conveyor

MAINTENANCE PLATFORM

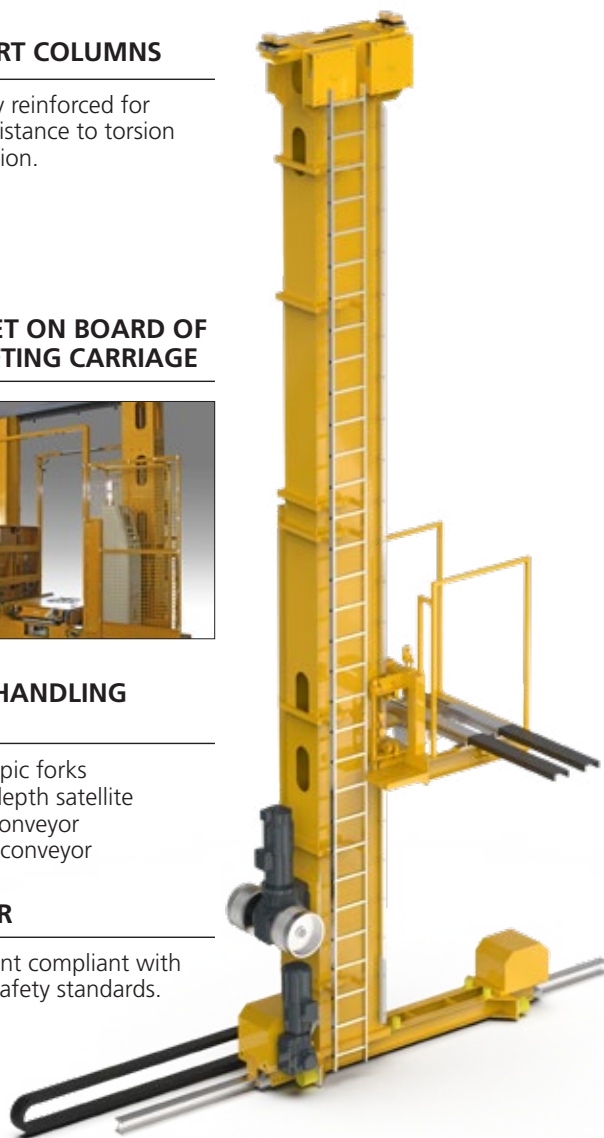
LADDER

Equipment compliant with current safety standards.

ELECTRICAL CABINET / CONTROL PANEL

POWERED WHEEL

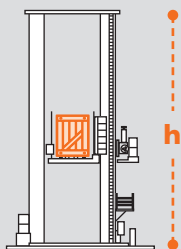
LOWER HEAD



Single column



Double column



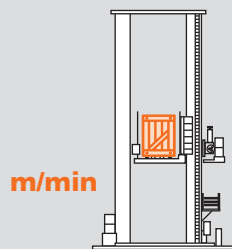
HEIGHT FROM
5 to 30 meters



CAPACITY FROM
250 to 1500 kg



ACCELERATION
UP TO
0,6 m/sec²



MAX SPEED
UP TO
250 mt/1'

LOAD HANDLING DEVICE

SINGLE, DOUBLE AND TRIPLE DEEP TELESCOPIC FORKS

The transverse movement of the loading units takes place by a pair of bidirectional telescopic forks that operate in simple, double or triple deep; the forks consist of a fixed element that is bolted to the mobile lifting platform and two or more sliding elements. The fixed element and the sliding elements are made with special profiles that allow the containment of the shape inside the fork section and limit the flexion at full load and at maximum extension. The movement is carried out by a kinematic chain consisting of chains/racks and sprockets; the drive is obtained by inverter controlled gearmotor; the positioning takes place via an encoder.

The slowing down and stopping of the forks in the terminal and intermediate positions is automatic; the collision with the shelves is avoided by an integrated clutch. When the telescopic forks are not completely positioned inside the mobile lifting platform, translation and lifting movements are excluded.



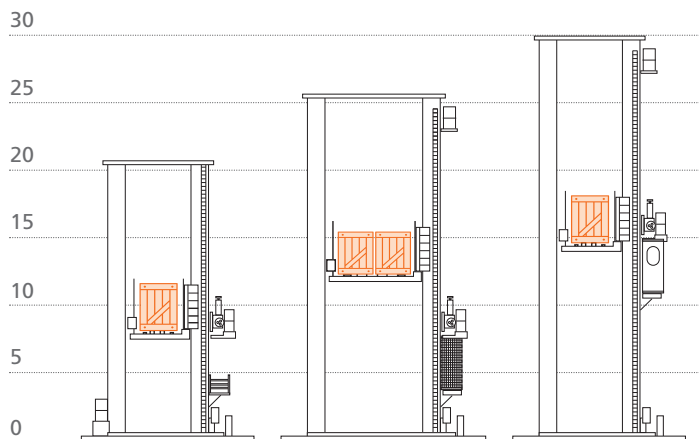
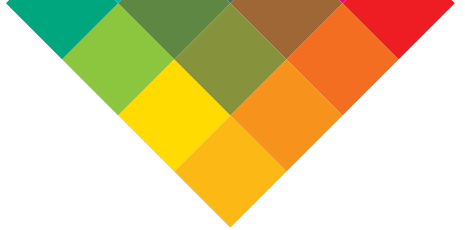
SATELLITE

The transverse movement of the loading units takes place by a motorized chain conveyor combined with a multi-depth satellite.

The loading and unloading operations at the head are carried out via the conveyor, while the storage and withdrawal operations inside the storage channel are carried out via a satellite powered by cable that operates in multi-depth. The positioning takes place via an encoder; the slowing down and stopping of the satellite in the terminal and intermediate positions is automatic.

When the satellite is positioned completely inside the mobile platform, the movements of translation of the satellite and chain conveyor are excluded.





STACKER CRANES MOVING INSIDE THE AISLE



STACKER CRANES MOVING AT THE FRONT HEAD



AUTOMATIC WAREHOUSES SERVED BY **MINILOADS**

1

**GREAT HEIGHTS:
GREATER
STORAGE**

2

**LOAD
MANAGEMENT
CONTROL**

3

**WORKING TIME
OPTIMIZATION**

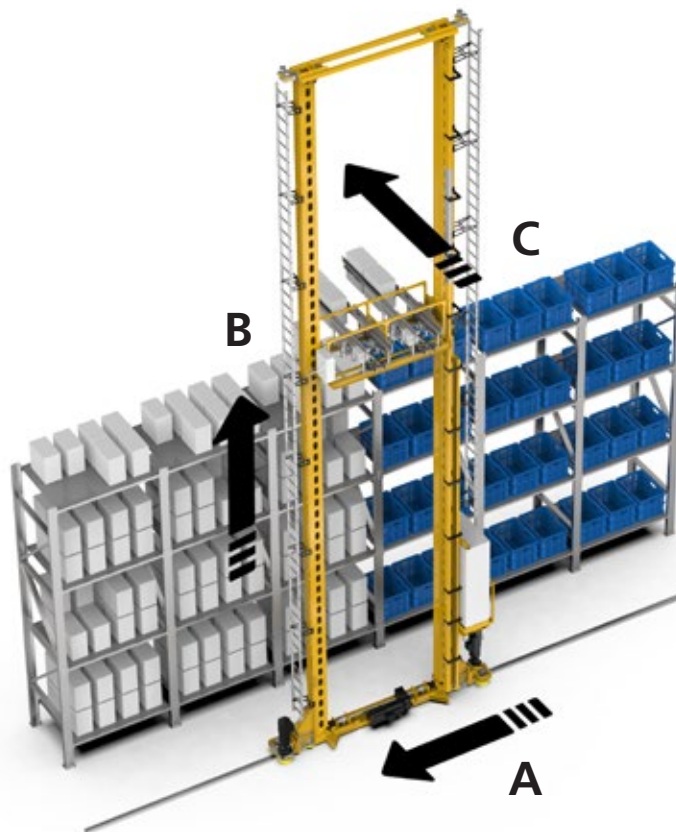
4

HIGH SPEED

"Miniload" automatic stacker cranes for boxes and plastic crates

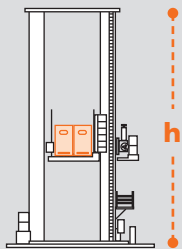
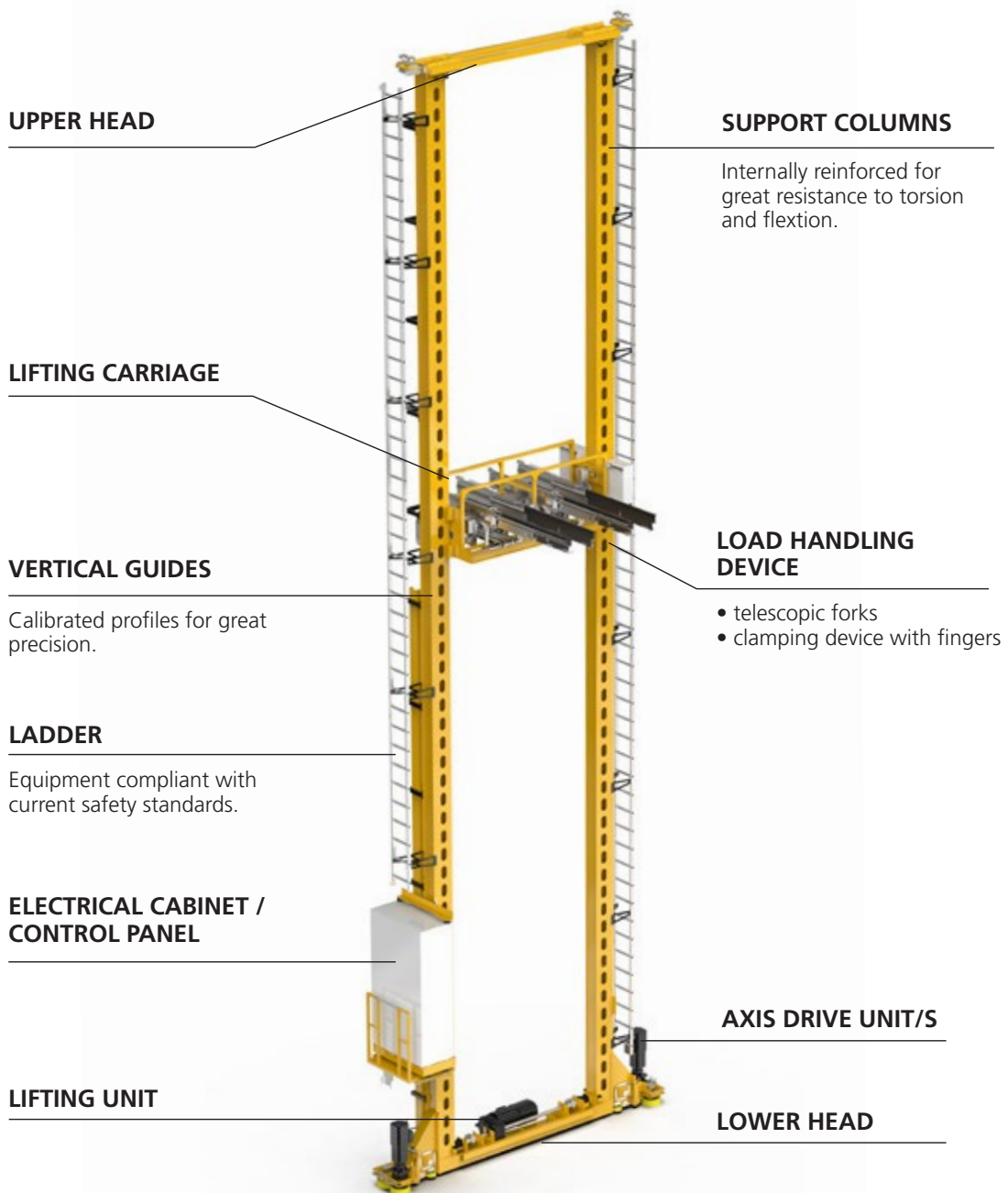
It's the extreme flexibility of our products that allows us to create machines with a single / double column structure, equipped with single or double telescopic fork, which can also be customized to carry out operations in single or double depth and / or with adjustment of the grip width.

The technologies used and the studies carried out allow us to guarantee high performance and accuracy both in ambient temperatures and in refrigerated environments up to -30°C .



- A** - Movement on the rail
- B** - Movement in height along the column
- C** - Deep movement for pick-up / release the load





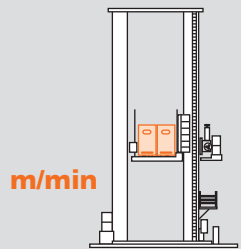
HEIGHT FROM
5 to 25 meters



CAPACITY FROM
25 to 250 kg



ACCELERATION
UP TO
3 m/sec²

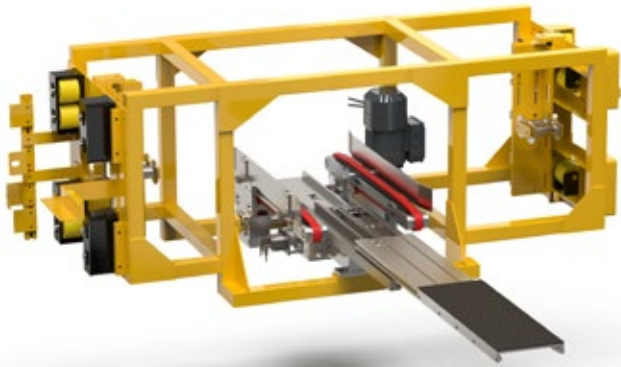


MAX SPEED
UP TO
300 mt/1'

LOAD HANDLING DEVICE

SINGLE AND DOUBLE DEPTH TELESCOPIC FORK

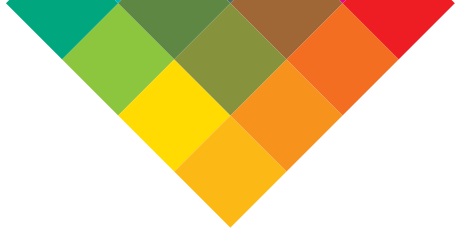
The transverse movement of the loading units takes place by a bidirectional telescopic fork that operate in simple, double depth; the fork consist of a fixed element that is bolted to the mobile lifting platform and two or more sliding elements. The movement is carried out by a kinematic chain consisting of chains/racks and sprockets. The drive is obtained by inverter controlled gearmotor the positioning takes place via an encoder.



CLAMPING DEVICE WITH FINGERS (ADJUSTABLE IN WIDTH)

The clamping device with fingers, thanks to the new reduced dimensions and weight, is indicated in case of handling carton boxes on shelving racks in automatic warehouses. This solution has been developed to handle a box with a width range from 200 mm to 800 mm and a maximum weight of 150 kg. This equipment is strictly linked to storage units dimensions, as well as to their weight and materials. Uteco Contec has a solutions for every kind of box: this device is studied to detect automatically the box.





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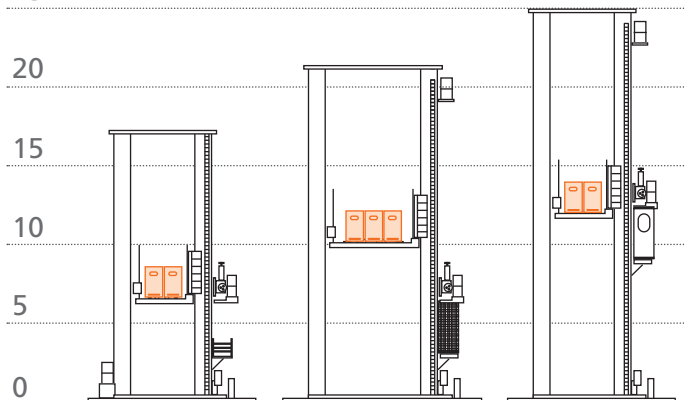
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15

10

5

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STORAGE AT LOW TEMPERATURES OR OXIGEN REDUCTION

Warehouses suitable for specific working conditions such as negative temperatures (-30° C) and extreme humidity. Compliant with the requirements of the food and pharmaceutical industry. Everything must be suitable for the refrigerated area, from the materials to the electronic components such as cables, oils and greases, up to the steel structure. To maintain the "cold chain", from storage in the warehouse up to the product exit.





AFTER-SALES SERVICE AND **MAINTENANCE**

Uteco-Contec continue to assist the customer even at the end of the supply with qualified and insured after-sales services, indispensable especially in the first phases of use of the plant, in which operators must become more familiar with the system.

Uteco-Contec can provide constant monitoring of the efficiency of individual components and a remote-assistance service, with immediate interventions via a dedicated telephone line for the diagnosis and rapid resolution of any faults.

In addition to these opportunities, there are scheduled maintenance and assistance contracts that Uteco-Contec can customize according to the needs of the system and / or the customer, thus guaranteeing optimal operation and longevity of the systems.

SOME REFERENCES

AB | MAURI



ALCAR UNO

ALCEA



Barili

BERNER



BONFIGLIOLI
Power & Control Solutions



BRN



CAVIRO

CHR
CICCIOLI
HELVIA RECINA

COMPLASTEX®
SEALING'S INNOVATION

CONAD

DIAGEO



E. B.

Eco Eridania



FATER

FCA
FIAT CHRYSLER AUTOMOBILES

GEKO

JUNGHEINRICH

GEN-ART



Grandi Salumifici Italiani



Leone



Motta



NeroGiardini



NINZ

Nutkao

OROGEL

PERFETTI
Nelle



PIRELLI

PONTI

REVOLTI®
LATTONERIE

Rigoni
di Asiago



VIPA
By VIPA buy better

zarri



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