FLEXY ❚❚ TOTE®

Flexible multi-totes transfer solution for your warehouse

THINK BIG, START SMALL, SCALE FAST !

A Flexible, Scalable Solution

Flexytote® provides an alternative to traditional logistics systems. It **flexibly automates totes transfer** operations in warehouses to accelerate multi-order picking.
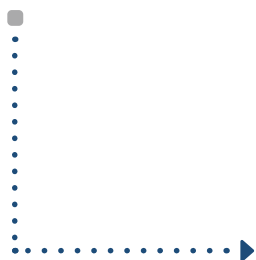
The principle : a **mobile robot** lifts and moves empty **totes** or **boxes** to the **order buffer racks** for picking. Operators complete the orders, then when the totes/boxes are full, the robot transfer them to the packing area.

The Flexytote® solution extends the Scallog range, delivering **unrivalled flexibility** and **ROI.**

FLEXY**TOTE**®

1
Transporting empty totes

2
Totes loaded in the order buffer rack

Flexytote® meets almost every transport requirement up to a maximum of **250 kg** and guarantees **optimal flows.** Your picked orders arrive safely at their destination **with unrestricted access, low acquisition** and operating **costs** for a **fast ROI.**
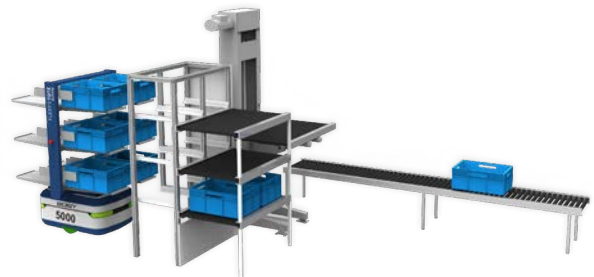
3

Totes filled
by operators

5

Full totes removed to the consolidation
or packaging area

4

Transporting full
order totes

" Unlike a typical conveyor, **Flexytote**® makes it very simple and easy to automate supply to **2-or 3-level** order buffer racks. **"**

Robot

FLEXY :: TOTE®

Unprecedented modularity and flexibility in the automation of totes supply and transfer operations.

Multi-totes robots with fork blades and loads that can be configured on 2 or 3 levels.

Dimensions : 800 x 600 mm

Maximum load : 250 kg

Battery life : 14 hrs
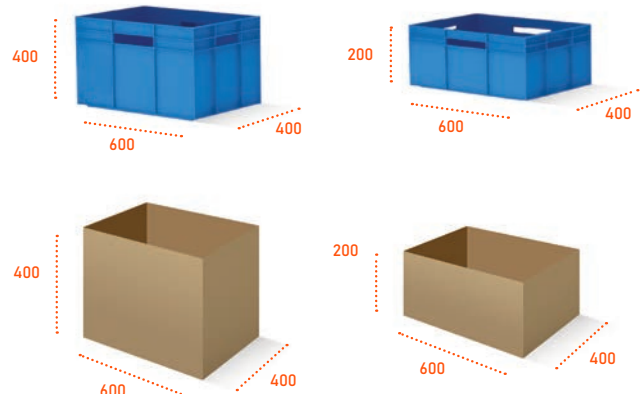
Communication : WIFI

x**2**   x**3**

Fork blades configuration

• 2 levels : 2 x 4 totes (max. 30 kg / bin)

• 3 levels : 2 x 6 totes (max. 20 kg / bin)

Totes

Size of storage locations can be changed and dynamically adjusted. No storage positions assigned permanently.

400 600 400

200 600 400

400 600 400

200 600 400

Order buffer rack

- ✎ *Angled surfaces : 15 - 30°*
- ⊞ *Ergonomic filling*
- ▦ *Automatic loading of totes*
- ☜ *Put-to-light validation*
- ▣ *Scallog WCS Connection*

x2 **x3**

Totes configuration

- **• 2 levels : 4 totes**
- **• 3 levels : 6 totes**

Example of a workstation

Flexytote® is the key to **versatility** : this **flexible, scalable** transport system follows optical marking on the floor and does not require complex installation, its layout can be **reconfigured as and when required.**

The system management software is **simple,** quick to install and **can be tailored** to meet the requirements of your changing environment.
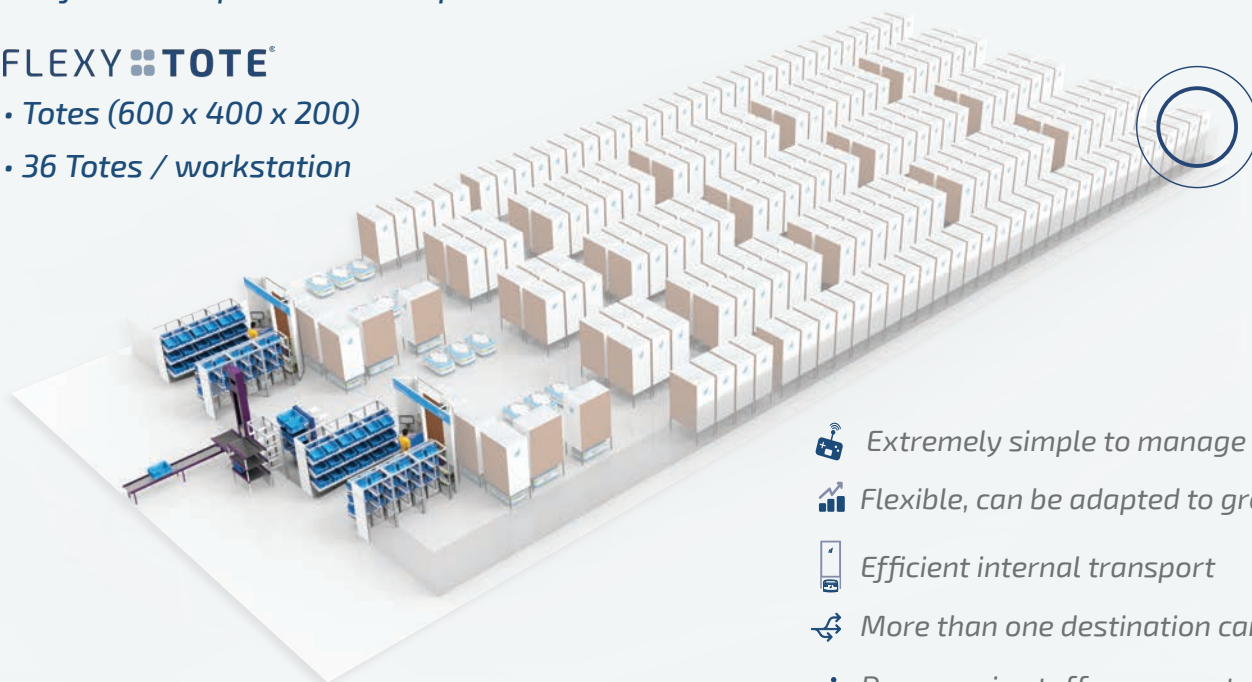
Application - Micro Fullfilment Center

The Flexytote® gives you a wide range of possibilities for the automated transport of orders in production or operations
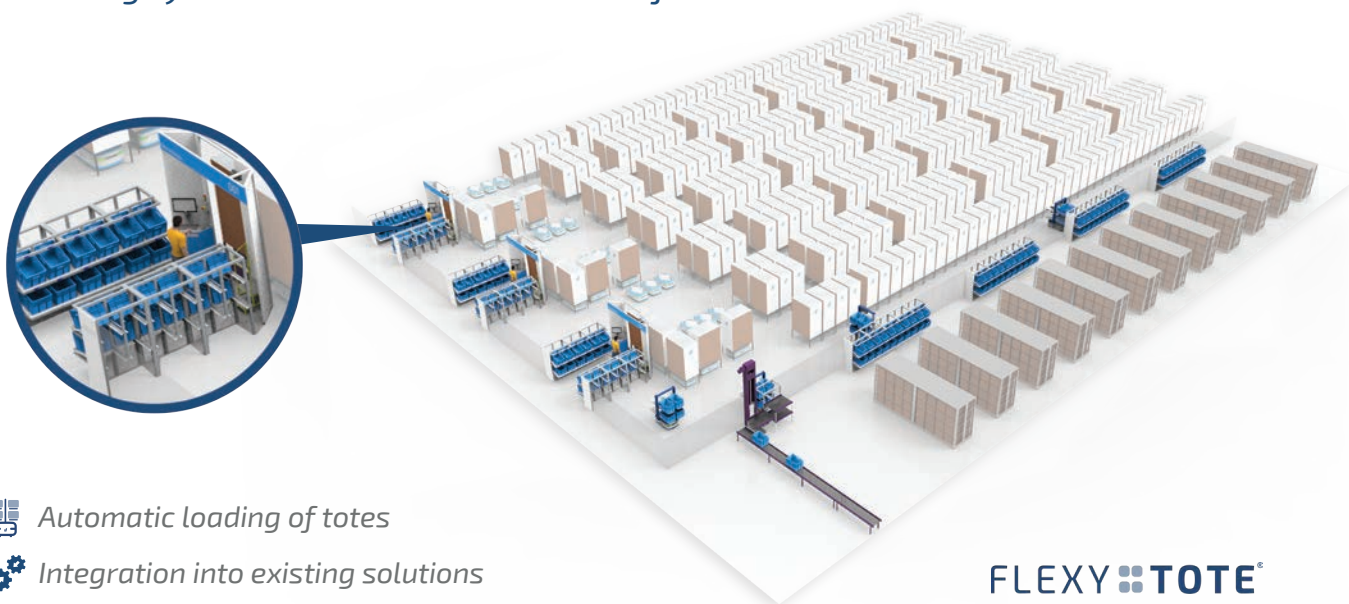
FLEXY TOTE

• *Totes (600 x 400 x 200)*

• *36 Totes / workstation*

Extremely simple to manage

Flexible, can be adapted to growing needs

Efficient internal transport

More than one destination can be assigned

Decrease in staff movement, the system is working in background tasks

Application - Fast - Growing Warehouse

The Flexytote® adapts to the evolution of your warehouse : easy connection to already existing systems thanks to automatic transfer units

Automatic loading of totes

Integration into existing solutions

Workstation ergonomics

Operators no longer have to carry order totes

FLEXY TOTE

• *Totes (600 x 400 x 300)*
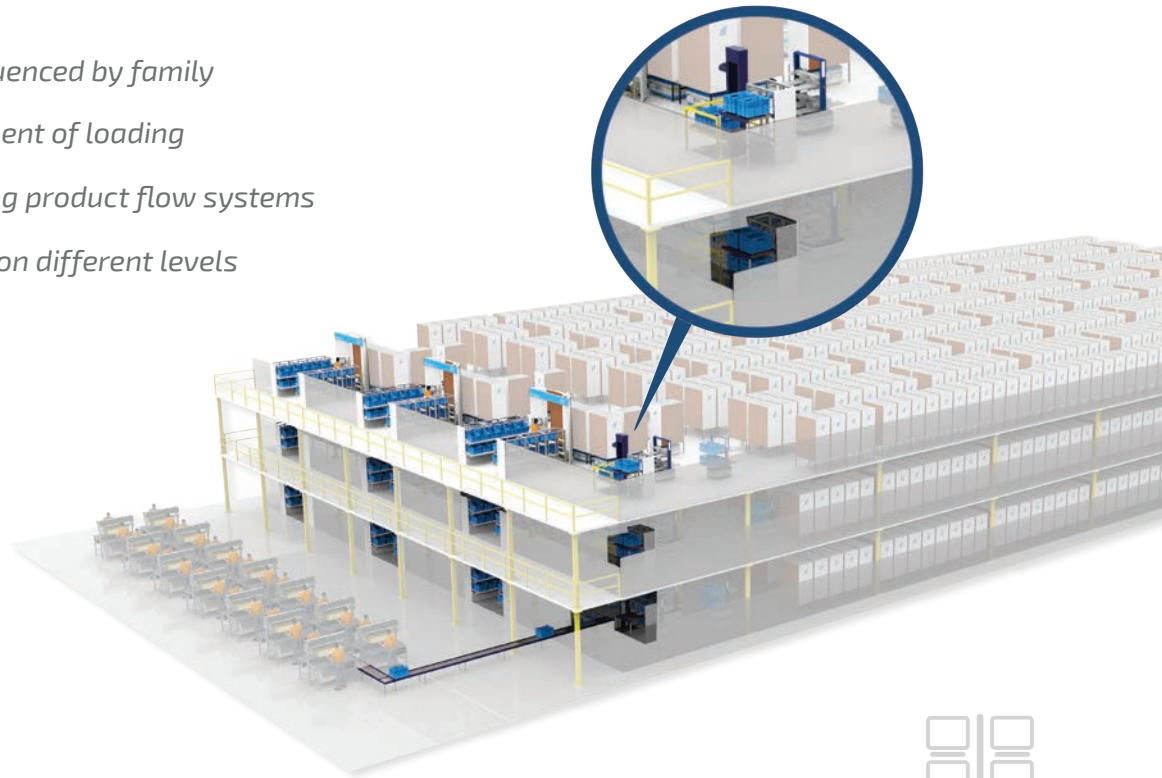
• *24 totes / workstation*

Application - High density & Multi-levels

The Flexytote® can interface to a lifting solution allowing to link different levels for multi-platform flows

- *Products can be sequenced by family*
- *Automatic management of loading*
- *Connection to existing product flow systems*
- *Fleet of robots used on different levels*

FLEXY::TOTE®
Multi-level picking

Benefits

Fast implementation
Not permanently anchored to the floor

Easy management
of peaks in activity

Minimal use
of conveyors

Easy sequencing of
goods to be transported

Transport solution with
unrestricted access in a reduced area

Simplified maintenance
Autonomous navigation

Integration into existing
systems

Great flexibility in
tailoring and extending the system

Rapid ROI

Managed by WiFi

Different construction
heights for best ergonomics

Synchronization with
internal order flows

The Scallog® teams have three - faceted expertise : robotics, software and business. We create simple, scalable robotic solutions that produce a quick return on investment (ROI).

We have listened to our customers and have identified the importance of optimizing totes supply and transfer in the picking process.

To meet this need, Scallog® has developed Flexytote®, a new extension to its range, a robotic answer to the requirement expressed by its customers.

Scallog®
SCALABLE LOGISTICS

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