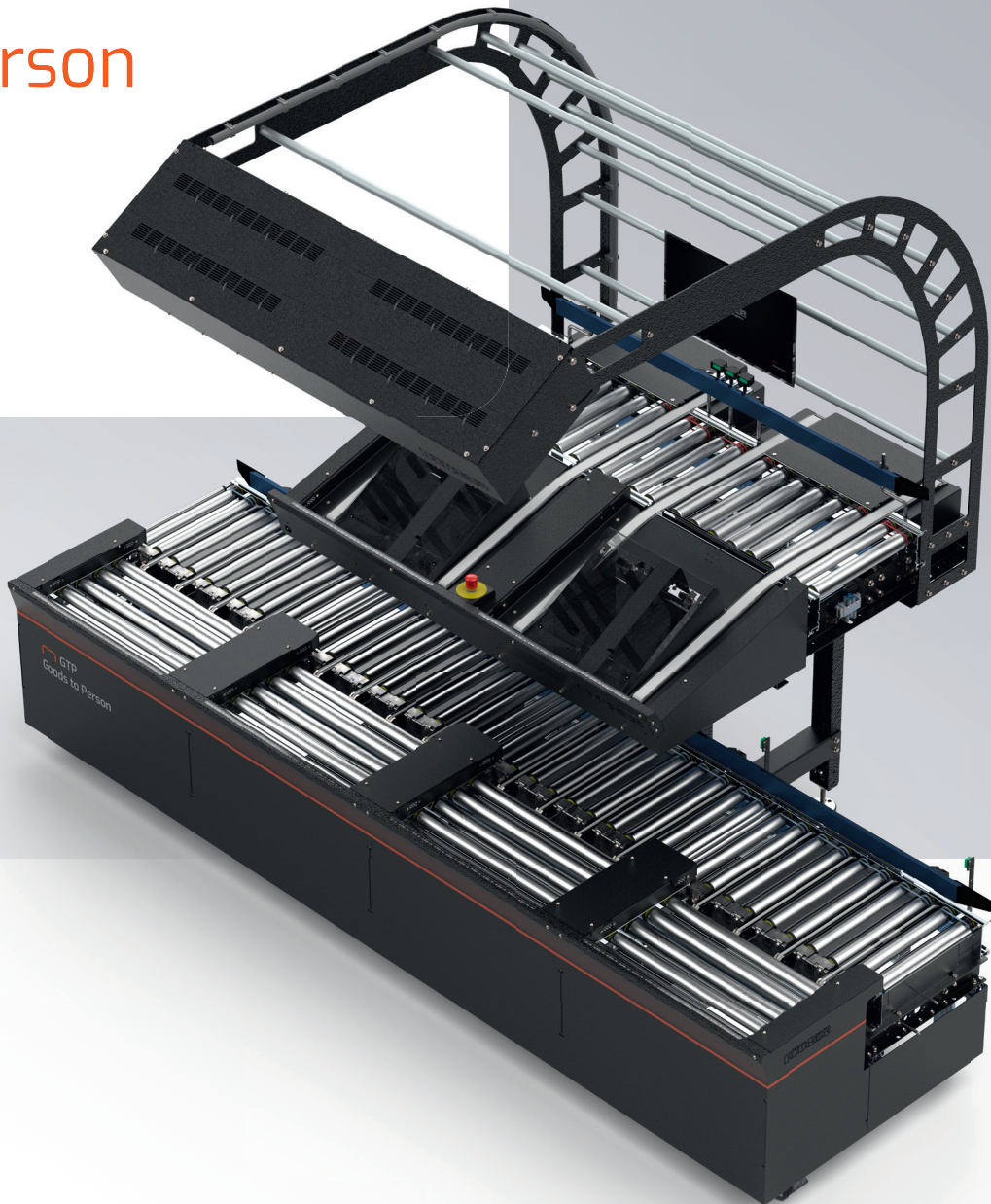




GTP

Goods to
Person



Automatic, fast and safe

The Goods to Person (GTP) workstation is designed as an order fulfillment system for distribution centers. These workstations are designed with ergonomics, efficiency, user friendliness and minimal error rate in mind. The GTP workstation transports containers/boxes on two levels. The upper level transports SKU containers (stock), the lower level transports order totes/cartons.

Stock level

The upper level of the GTP is connected to conveyors that come from and lead to an SKU storage system (AS/RS). Containers containing stock SKU's are transported via a conveyor on one of the two belt spurs (pick positions) to be presented long side leading to the operator. The belts move the container towards the operator and a tilting section makes access and visibility into the container ergonomically possible.

 **GTP**
Goods to Person

The standard design has two belts per picking position to allow containers of 600x400 mm to be handled. Optionally a third belt can be installed to enable the handling of 400x300 mm large containers as well.

The SKU containers can be arranged as one large container or into (maximum 8) smaller compartments using dividers. Depending on the layout, there are two systems available to assist the operator while picking:

- › If there are no dividers or if there are dividers installed widthwise in the container, the LED strips installed in front of the container will indicate with a green color which compartment the operator should take items from.
- › If a lengthwise divider is installed, an overhead light box will illuminate the compartment from which the operator must take items using one or more pin spots.

Order level

The lower level of GTP is connected to the total conveyor system. Totes and/or boxes (transport units or TUs) can be transported short side leading over the lower level. With the help of belt transfers and short roller conveyors, the TUs are automatically presented and taken away from the operator.

There are two available width variations for the lower level put positions to accommodate 600 or 400 mm long TUs. The number of put positions can be modified, depending on the put position length. In the case of 600 mm, the number of put positions may vary from 1 to 4. In the case of 400 mm, the number of put positions may vary from 1 to 6.

To assist the operator in placing the products in the right put position, LED strips are installed in front of each put position. These can light up in green to indicate where the picked items should be placed. If the put containers are divided widthwise, the LED strip will partially light up, indicating the correct compartment.

"Automatic, fast and safe supply of storage containers to and from an ergonomically designed workstation."



- › Ergonomic design
- › Straightforward principle
- › Optional weight check
- › Automated infeed and outfeed

Minimal chance of error

Inther's GTP system can process 4 to 6 orders simultaneously. This amounts to processing up to 500 picks per hour. Compared to traditional order picking, this provides a significant increase in picking performance. This is mainly due to the efficient and easy working method.



GTP auxiliary systems







Depending on the requirements, one or more GTP auxiliary systems can be installed to further support the operator and reduce errors.

- › **Pick to Light**
A picklight can be installed for each pick position. This picklight lights up and shows the amount to be picked by the operator. A confirmation button is available for the operator to confirm that the task has been completed.
- › **GTP User Interface**
On top of the GTP workstation, an HMI can be installed that can show a number of things (depending on available information) about the picking task to be performed. Things like quantity, a picture of the product, special instruction or even a visual representation of the stock level and order level compartments.
- › **LED strips (optional)**
As described in the topics above, LED strips in front of the stock and order level positions can be used to indicate where to pick items and where to put them. It can also support when containers are divided, as long as the dividers are set up widthwise.
- › **Pin spots (optional)**
To support the operator when stock containers are divided lengthwise, an overhead structure with pin spots can be installed to indicate with one or more spots from which compartment the items should be taken.
- › **Barcode scanner (optional)**
Directly attached to the stock level mechanism, a stationary barcode scanner can be installed. This scanner can be used to login the operator or to scan SKU barcodes if required.



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