

**BLEICHERT –**

System supplier for logistics and handling

## **FTS**

Use in the manual operation or as driverless transport system, after retrofitting by BLEICHERT

FTF – Linde P50C – 400 is based on a standard vehicle which has been retrofitted by BLEICHERT to the FTF function. Basically, we can extend every make and model in a customer-specific manner to the FTF function.

Can be used manually or as FTF.

### **The conversion kit for this FTF contains the following:**

- Incremental encoder for the identification of the position
- Laser safety scanner
- Track guidance camera, optionally indoor GPS
- Steering angle limitation via roller plunger switch
- Control cabinet, FTF PLC
- Hydraulic power unit, restrictor and plug-in coupling
- Operator panel OP 73
- Wireless barcode scanner with battery charger
- Stacklight, at the front center

The system can also be applied to electrically driven lift mast forklift trucks, also with radio/WLAN communication to a rack handling system.

## **Vertical, round storage system**

Stock placement and removal as well as storage / warehousing of workpieces

### **Features and benefits of the use of round storage systems:**

- Efficient use of space due to individually adjustable storage height
- Can be integrated in completely automated interlinkage lines
- FIFO principle is possible

### **Principle of the round storage system:**

The goods/packing units/workpieces are transferred by a conveying system onto the carrier of the round storage system. The carrier is lifted by means of a lifting axle to one of the levels, rotated by the defined angle by means of a rotary drive and deposit ports into designated free storage space. In case of removal of the packing unit/workpiece, the process is carried out in reverse direction.

## **Gantries**

Individual solutions with linear and area surface gantries for all industrial sectors, for machine loading and stacking / destacking cells

### **Features of our gantries**

- All driving axles are designed as sturdy steel construction
- Hardened and grinded running rails
- Helical cut and hardened gear racks
- Maintenance-free guide with single rollers and flat rails
- Maximum noise emission of 75 dB (A)
- Energy-saving features
- Safety equipment of the traversing axles up to category 4

### **Options and supplements**

- Cameras for the position recognition of the workpieces on the load carrier
- Datamatrix write/read systems
- Workpiece storage with and without pallets
- Adaptation to automatic loading and unloading
- Warehouse management and process control systems, BDE terminals
- CE marking procedures for the entire system
- Part tracking, monitoring of process in HMI panel
- In-house gripper design
- Telescopic lifting axles, maintenance securing device for lifting axles

# Palletizing system

## **Loading pallets**

The pallet is exactly positioned.

The loading operation is carried out by means of a robot. The lateral alignment is carried out by the lateral guide.

## **Unloaded pallets**

The pallet removal can take place by means of forklift trucks or elevating platform trucks.

The return stop of the roller conveyor ensures that persons are not endangered by pallets being pushed back.

## **Automatic empty pallet magazine**

The pallets are inserted separately by hand, or as a stack by means of a forklift truck. The magazine is accessible from the outside. Therefore, no machine downtime occurs. A warning signal sounds when the magazine is empty.

## **Pallet transport system**

Conveys the pallet to the waiting position.

Afterwards the pallet is conveyed by means of a transport system with corner transfer to the loading point.

## **Waiting position of the empty pallet**

## **Corner transfer unit**

## **montaflex**

# Flexible accumulating conveyor for the transport and buffering of workpieces on pallets

### **Fields of application**

- For transport tasks in packaging systems
- For the linkage between machine centers
- Connection of manual and automatic work places and stations over distances of 2.5 – 35 meters

### **Features**

- Fixed pallet conveyor for the transport and buffering of workpieces, containers etc.
- Pallets can be conveyed individually or in a coupled manner, up to 6 pieces each time.
- The pallet width can vary from 600 to 1,500 mm.
- There is only one drive motor for the transport of pallets.
- Transport can take place as floor mounted and roof mounted application
- Separation devices and stop points can be arranged anywhere in the system.

## Roller conveyors for the packaging system

Efficient and cost-effective solution with the possibility of providing an accumulation function

Roller conveyor "ECO" for the transport of most different container and cardboard box types as well as lightweight piece goods.

The modular system allows the combination of most different conveying elements and accessories and therefore offers a large number of layout solutions.

### Version as:

- Roller conveyor – not driven
- Roller conveyor – driven
- Accumulating roller conveyor with friction roller
- Accumulating roller conveyor with motor roller (contact free accumulation procedure)

### Effective width:

160 – 960 mm

### Roller pitch:

75 – 300 mm

### Speed:

approx. 0.15 – 1 m/s, depending on version and load

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