



Buffer System: Special Load Carriers/Totes Conveyor System

The challenge

One of the largest manufacturers of electronic components in the automotive sector wanted to optimize its production line for electronic printed circuit boards. In a three-shift operation, the electronic boards had to be sorted manually into the various finishing or packaging stages after the production process. Manual sorting was time-consuming and error-prone. The customer therefore needed an efficient semi-automatic sorting and transport system in a 20-meter space.

The solution

Our answer was a buffer system consisting of a total of six two-track lines on the lower level and a roller conveyor on the upper level. The semi-automatic transport and sorting system increases the autonomy of the production and packaging departments by allowing them to control two processes simultaneously: The unloading and sorting of the parts from the production machine via the conveyor on the lower level, and the return of the empty boxes positioned on the upper level via an inclined gravity roller conveyor.

The customer benefits

- Support for project development
- Significant reduction of time wasted
- Reliable solution for three-shift operation
- Significant reduction of the margin of error
- Space-saving system

Specifications

Type of upper conveyor

RB roller conveyor without drive

Type of lower conveyor

GTB max conveyor with end drive

Max. transport weight

20 kg

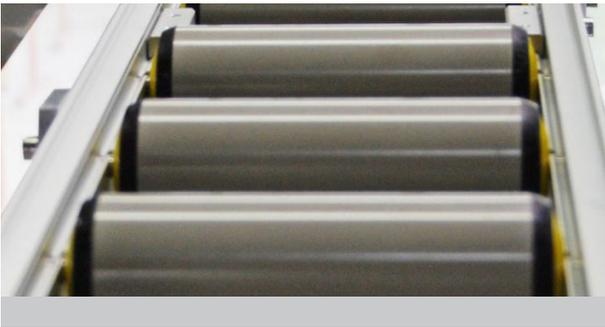
Speed

6.3 m/min

Special Feature

Good to know: The buffer system is also available with driven roller conveyors and can be automated with lifts. A good alternative to the GTB conveyors is the TB40 conveyor, which offers excellent value for the money with the same technical qualities.

Application impressions



Headquarter:
Branch USA:

Montech AG, sales@montech.com
Montech Conveyors Corp., info.us@montech.com