

Very long conveying path for non-stop assembly

Task

A production line requires an infeed conveyor for assembly stations. The workers process the products continuously. In order to achieve the required throughput, several assembly stations are built next to each other. As a result, the belt conveyor has to be particularly long.

Solution from mk

For this task, a modular belt conveyor measuring approximately 42 m in length was constructed with a modular belt over 85 m long. The conveyor runs at a low speed of approx. 2 m/min. This allows the workers to work on the product comfortably without stopping. The side of the conveyor is completely covered with creep zone protection and a protective guard so that the workers can work safely on the conveyor. It can transport a total load of up to 700 kg. A second drive with a motor was used on the infeed end to ensure smooth running. The conveyor has been optimised for just-in-sequence production by marking sequence areas with white chain links and lasering the corresponding sequence numbers into the chain.

Benefits for the customer

- Extremely long conveyor
- High total load
- Optimised for non-stop operation

Products used

> [MBF-P 2010 modular belt conveyor](#)