Call: 01217 492566
www.rnaautomation.com

# ROBO-FLEX B/C


**The new linear flexible ROBO-FLEX B and ROBO-FLEX C feeding systems for all robots or gantry handling.**

The core of the installations is a linear pre-sorter of component parts to prepare a high number of parts for the correctly oriented robotic pickup. This pre-sorting is the basis for a high utilisation of the possible cycle times of the robot used. Depending on the requirement and task, this linear sorting conveyor can be designed either as a **trough system** (B) or as a **catamaran system** (C).

With the new flexible feeding systems of the ROBO-FLEX series by RNA, you will get the best and most versatile solution on the market, especially for applications with frequently changing part geometries. They can be combined with all different kinds of robotic and control systems. Here, the new flexible feeding systems of the ROBO-FLEX series by RNA manage a performance of up to 120 parts per minute – as fast as no other flexible feeding system.

**RNA product range**

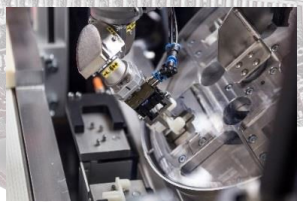
**Collaborative Robot Solutions**

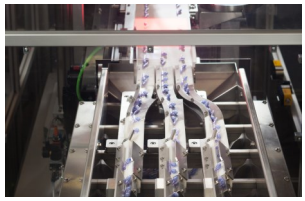
**Automation Solutions**

**Robotic Systems**

**Vision Inspection Systems**
- Vision Inspection & Quality Control
- Vision System Integration
- Tablet Inspection

**Feeding and Handling Solutions**
- Bowl & Linear Feeders
- Centrifugal Feeders
- Step Feeders
- Carpet Feeder
- Sachet & Pouch Handling
- Palletizing Systems





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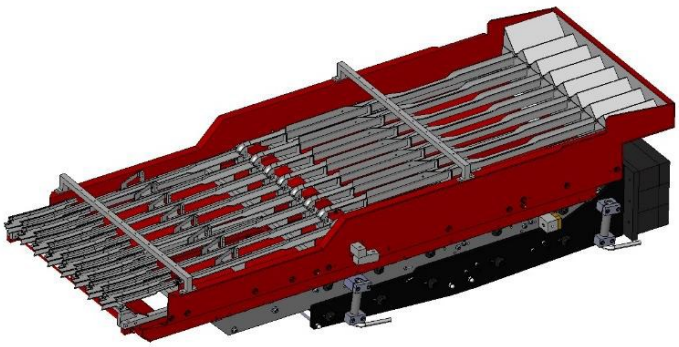
## ROBO-FLEX B

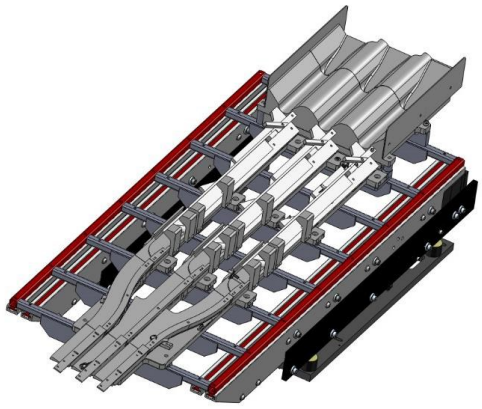
The trough design (ROBO-FLEX B) has a linear drive that moves the trough and the sorting tracks fixed on it as a unit. Parts that are not sorted fall into the trough, from where they are brought back to the closed parts circulation again.

## ROBO-FLEX C

The patented catamaran design (ROBO-FLEX C) on the other hand, only carries the sorting tracks with two linear drives attached in parallel. Parts that fall off the sorting tracks are immediately caught up by a separate return belt running in opposite direction and then brought back to the parts circulation again. This arrangement allows for very flat types of construction, but also for the construction of wider systems, in order, for instance, to process two different component parts simultaneously. This compact type of construction and the low heights of fall of the parts guarantee the careful handling of parts.



**ROBO-FLEX B**
Trough design with linear, multi-track sorting and central drive



**ROBO-FLEX C**
Catamaran design with linear, multi-track sorting and catamaran drive

With both systems, the components parts are transferred after sorting to a camera belt for detection and then picked up by the robot. Parts that are not detected go back to the parts circulation which is kept at the same level with a level monitor and an additional hopper.

The new flexible feeding systems of the ROBO-FLEX series by RNA are particularly suitable for applications with frequently changing part geometries. A quick discharge of the entire installation is possible in about 2 minutes. Short retooling times, a low-noise operation and also the reproducible orienting elements in up to 20 tracks are further outstanding features of these systems.

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