



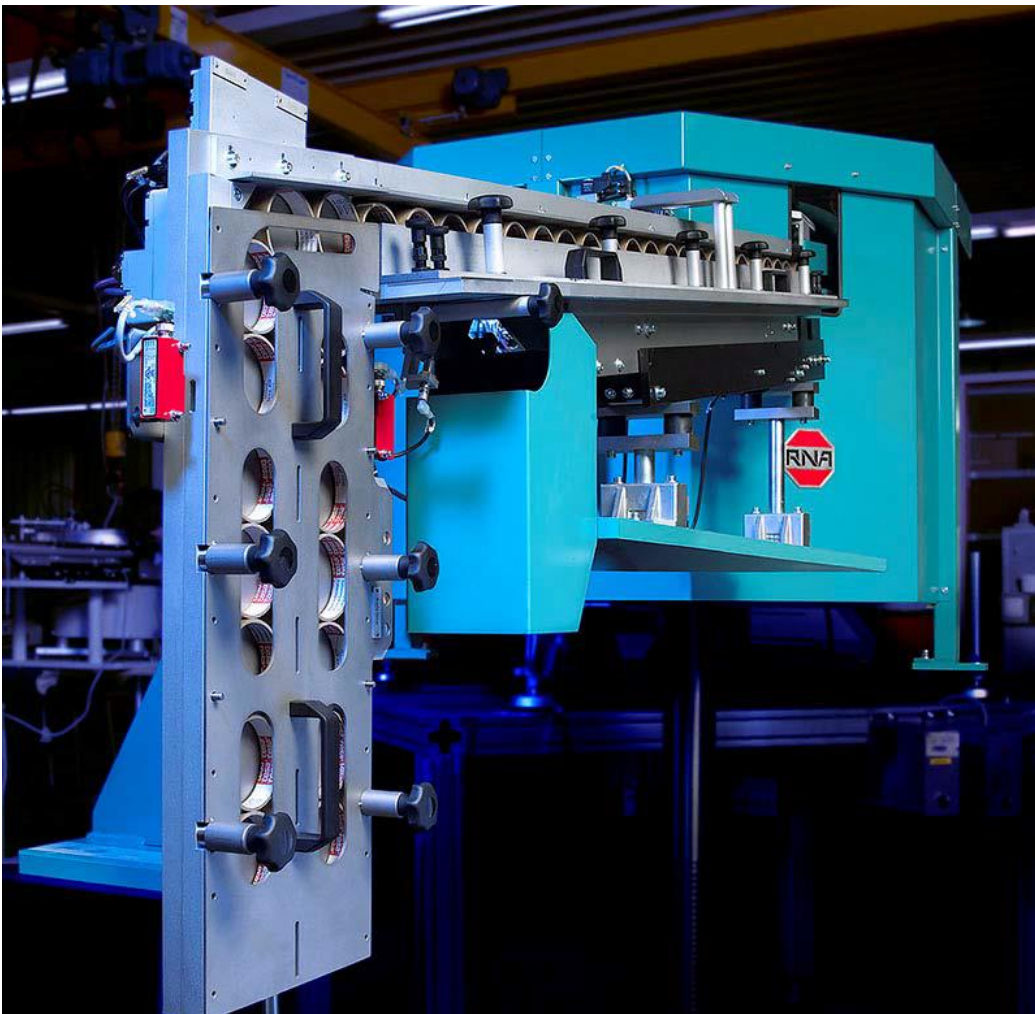
Sorting and Feeding of Cardboard Shells



Feeding & Handling System  
Ref. 175



Cardboard Shells, 8 Types  $\text{\O}76.2$  mm, Height 9 – 50mm



## Description:

### Sector

Manufacture of consumer goods (end customer is a manufacturer of tape rolls)

### Component

Cardboard shells (wrapping-cores for tape rolls), 8 types, Ø76.2 mm, width 9 – 50 mm

### Technical Requirements

The shells are fed on top of one another with the axes parallel through two separate shafts to a winding machine.

### Operation Description

The shells are loaded into a centrifugal feeder from a 200 litre hopper. Inside the feeder the shells are sorted while rolling and with this orientation they are passed to a linear track as accumulation track.

At the end of the linear feeder the shells are distributed to two shafts. No active elements are necessary for the distribution.

The 8 types are separated into 3 part-families with corresponding changeable elements. All format sets are adjusted using spigots and quick-bracing and are inspected with the use of sensors regarding the integration of the correct segments. The conversion time for the entire feed system with a type change requires less than 10 minutes.

### Performance

56 parts per minute/run with a shell width of 25 mm

25 parts per minute/run with a shell width of 50 mm

