Feeding & Handling System
Ref. 285

RNA Automation Ltd

Sorting and Feeding of One Type of Razor Blade Handle
**Sector**  
Fast Moving Consumer goods & cosmetic industry

**Component**  
One type of razor blade handle as a 2-component moulded part (plastic and rubber).

**Technical Requirements**  
Orientating the above parts to the customers machine

**Discharge Position**  
Side by side hanging from the blade holder, handle across track angled at approx 45 degrees, rubber grip face uppermost

**Operation Description**  
The components are transferred from the bowl type 630 correctly oriented to the subsequent buffer track – a linear feeder type SLL 800-1400B as a special design with 3 magnets accumulates the product prior to the assembly machine.

RNA’s technical expertise is shown in feeding the 2-component moulded part with rubber ply due to its sticky nature.

Special attention is given to the coating in the bowl top, because it is a cosmetic consumer product any kind of component damage must avoided. This is achieved through a mixed coating in the sorting bowl of habasit and flock coating.

The special requirement lies in the yield of 65 pieces/min.

**Performance**  
65 parts per minute.

**Control**  
Control units: Frequency control unit type ESR2000 for vibratory bowl feeder, ESG 1000 for the linear feeder.

Integration into the assembly machine control is carried out by the customer.

**Elements of the Feeding System**  
Vibratory bowl feeder  
Linear feeder  
Mounting frame and base plate  
Hopper, type BFK, as a special design:  
- Entire bulk hopper is made of brushed VA  
- FDA belt with cleats  
- Rapid purging system

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