



Sorting and Feeding of Screw



Feeding & Handling System

Ref. 220



Description:

Sector

Automotive industry

Component

Screws M6 x 55

Technical Requirements

Positionally correct feed of 10-screw groups through 10 m long hoses using air pressure

Discharge Position

Hanging from the head, one behind the other

Operation Description

The screws are loaded in bulk into the hopper of the step feeder and then sorted positionally correct after being passed to the linear track.

At the end of the linear track, each screw is separated and passed to one of the 10 screw intakes. All 10 received screws are cycled-by the separation station using a programmable servo axis (spindle drive).

Once all 10 screws have passed through, the unit drives to the end position in which all 10 screws -- after clearance -- are shot into the subsequent station using air pressure.

Should a further screw be necessary at one or several stations, a subsequent insertion is possible.

Performance

10 parts in 40 seconds

Control

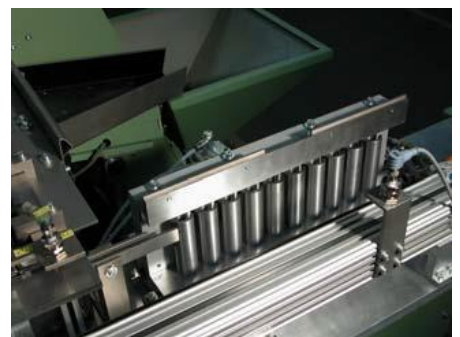
Simulation control to test the entire installation

Elements of the Feeding System

Step feeder, linear track, return-feed slide, separation station, enclosure

Design

RNA-standard conforming to DC-regulations.



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