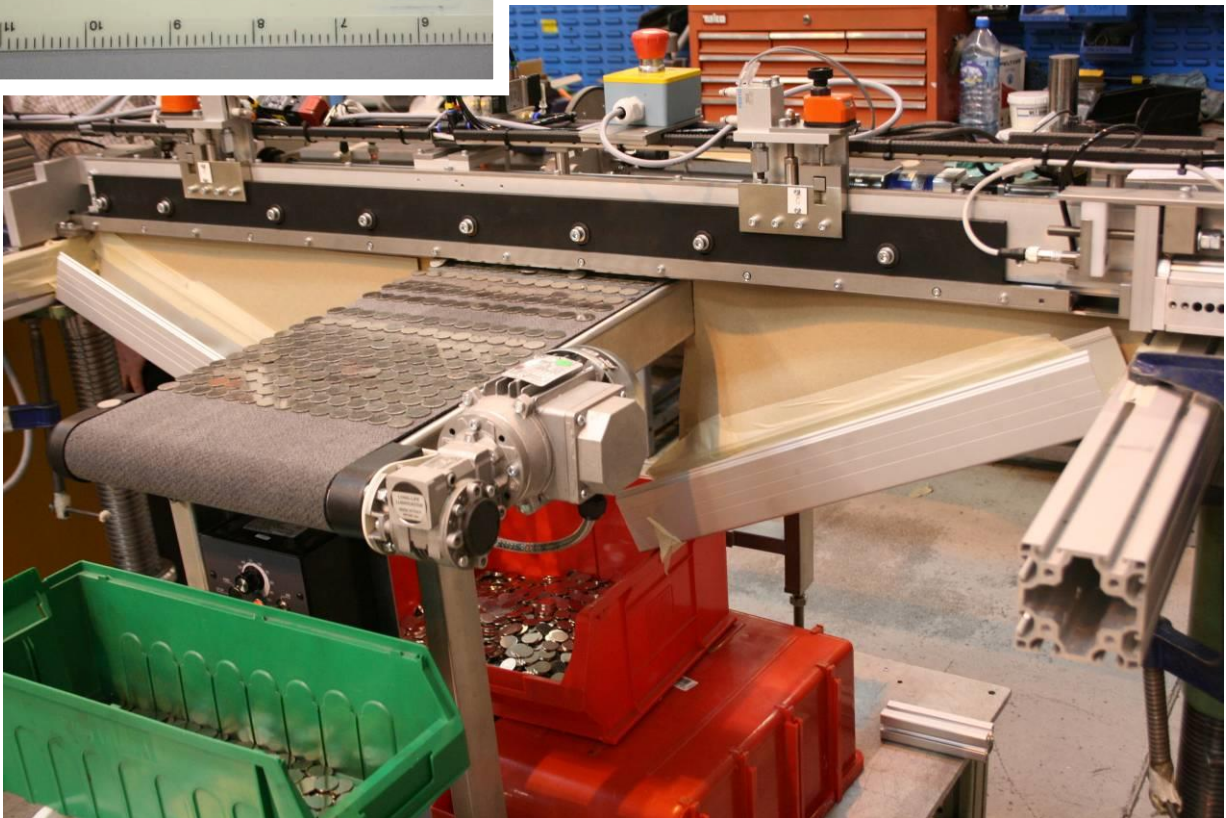




Orientating & Feeding coin blanks (11 sizes)



Feeding & Handling System



Description:

Sector

Metalworking

Component

Range of coin blanks

11 sizes

Technical Requirements

Components to be discharged radius to radius, flat on track onto customers' existing process conveyor in equally spaced rows

Operation Description

The components are loaded manually by an operator into a bulk hopper and dosed into a centrifugal feeder which feeds components flat on track onto an outfeed conveyor.

The Conveyor transfers the components from the centrifugal feeder onto a dead section of track. Back pressure from each coin pushes the product the length of the dead section.

Once the dead section is completely full the coins are pushed at 90 degrees to the direction of feed off the dead section onto the existing process conveyor.

The process conveyor is used to feed the components into an industrial furnace. The correct minimal gapped rows of coins reduce furnace operating time thus speeding up the process manufacturing time and saving energy

Performance

A 1370mm single row of components to be discharged every 6 seconds

The feed system gives a consistent spacing of 3.3mm between rows

Elements of the Feeding system

Bulk hopper; Centrifugal feeder complete with inverter control and fitted with an anti-shingle device to prevent overlapping components entering the out feed track; out feed conveyor; static track; Allen Bradley encoder mounted to static track to monitor the speed of the existing process conveyor



For further information, please contact sales at:

RNA Automation Limited

Tel: +44 (0)121 749 2566

Fax: +44 (0)121 749 6217

www.rnaautomation.com