

Elscint Automation

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Case Study – Automatic Riveting Machine

Industry - Switchgear Industry

Requirements -

1. Automatic riveting

Orientation – Not applicable

Accessories provided –

1. Table
2. Riveting Machine
3. Vibratory bowl feeder
4. Linear Vibrator
5. Electrical / PLC Control

Vibrator Model –Model 160

Description -

Elscint provides automatic attachments for riveting machines. For this, the rivets are fed through a vibratory bowl feeder to the riveting station. The other part (spring, strip etc.) can either be placed manually or automatically from another vibratory bowl feeder. Alternatively, the strip can be fed through a de-reeler and cut as per the requirement and fed automatically. Other options which are available is checking of the spring / strip etc. before riveting, counting of the number of pieces riveted, automatic stoppage of Machine when a wrong rivet / spring is fed etc. At the riveting point, the riveting takes place and the completed riveted assembly is blow out. For this the riveting machine is mounted on a specially designed platform.

Further operation -

Not applicable

