

Elscint Automation

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Case Study – Feeding of Sintered E Cores

Industry - Powder Metallurgy

Requirements -

1. Variety of parts
2. High speed
3. Critical orientation

Orientation – Standing

Speed / Feed Rate –100 pieces / Minute

Accessories provided –

1. Elscinthane PU coating
2. Table
3. Conveyor
4. Auto-switch off mechanism

Vibrator Model –Model 400

Description -

The “E” Cores are fragile and a fall from the top of the Bowl can break them. Therefore, the bowl feeder used a special type of Elscinthane PU Lining with extra thickness. Furthermore, the Bowl was designed in such a manner that the possibility of a fall is reduced if not eliminated. If the components do fall during orientation, the fall is contained by specially designed flaps. The total system consists of an Elscint Conveyor Feeder ahead of the Vibratory Bowl Feeder on which the “E” cores are passed and while they pass, the top portion is printed with a printing head. This system works at 100 pieces per minute and has resulted in completion of printing jobs at the customers end in just 4 hours which uptill now used to take more than 12 hours manually.

Further operation -

Printing

