



▶ FEEDING IN THE LATEST



▶ VIBRATORY BOWL FEEDER FOR FEEDING OF NOZZLE BODY

Components for which systems are available

▶ IMPROVING PERFORMANCE OF AN OLD VIBRATORY FEEDER – ISOLATING VIBRATIONS

Elscint Ahead



Feeding In The Latest . . .
Monish Shete

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A lot of feedback which I have received on the Elscint Ahead Newsletter is that the information is about new vibratory bowl feeders and not much on improving the performance of old ones which you might be having. In response, from this month onwards, we are starting a 10 part series on how to improve your old vibratory bowl feeder. Accordingly, the first news item is about a recently supplied bowl feeder while the second is the first part of the series on how to improve your present vibratory bowl feeder. I hope you find this new 10 part series useful.

Vibratory Bowl Feeder for feeding of Nozzle Body

Elscint recently manufactured a bowl feeder for feeding of nozzle bodies. There were two types of nozzle body components with the tail diameter being different in them. Elscint designed a bowl feeder to ensure that both these parts were fed without any changeover tooling required. Secondly, Elscint ensured that even the last component in the bowl came out without any manual intervention. The parts were very oily and hence, Elscint not only provided a rough PU coating on the bowl of Elscintane material but also provided a stainless steel tray for collection of excessive oil below the stand made for the bowl feeder. A drain was attached to ensure that the oil gets accumulated and collected for re-usage. Additionally, a noise enclosure lined with acoustic foam was provided with a see through top acrylic cover. The stand was designed in such a way that the loading height for the operator was just 800 mm (with a 50 mm up and down adjustment). The oriented nozzle body components were taken out in a steel tube.



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Part 1 - Improving performance of an vibratory feeder - Isolating Vibrations

One of the ways for improving the performance of an old vibratory feeder, be it a vibratory bowl feeder or a linear vibrator is to isolate the vibrations. Over time, the rubber grommets below the vibratory feeder deteriorate and vibrations are transferred to the base plate / table on which the vibratory feeder is mounted. This dampens the vibrations and results in the performance of the vibratory feeder going down. Changing / replacing the rubber grommets can substantially improve the performance of the vibratory feeder. In case there is oil or coolant on the table, and the same seeps into the rubber grommets, their life further reduces. Elscint provides a separate base plate after the rubber pads, which not only further isolate the vibrations but also provides top mounting which is very easy to use. The rubber isolating parts are enclosed inside the counter mass, providing them much needed protection so that their life increases.



Read more - <http://blog.elscintautomation.com/post/Improving-performance-of-an-old-vibratory-feeder-e28093-Isolating-Vibrations.aspx>



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