



▶ FEEDING IN THE LATEST

▶ ELSCINT VIBRATORY BOWL FEEDER FOR THIN SILVER CONTACTS

▶ BOWL FEEDERS FOR PHARMACEUTICAL / MEDICAL INDUSTRY

Elscint Ahead

Components for which systems are available



Feeding In The Latest ...
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By the time this edition of the Elscint Ahead newsletter reaches you, the end of the year would be staring at us. It has been quite a year, with a lot of highs (9.6% GDP growth in India during certain months) and lows (the Greek and Ireland crisis). Hopefully, next year would be more consistent. Coming to this edition of the Elscint Ahead newsletter, the first news item is about a very small vibratory bowl feeder while the second is about bowls manufactured for pharmaceutical / medical industry.

Elscint Vibratory Bowl Feeder for thin silver contacts

Elscint recently has manufactured a special small vibratory bowl feeder for feeding of thin silver contacts. The size of the silver contacts was 4 mm x 3.2 mm and the thickness was only 0.40 mm. Elscint used a very small vibratory bowl feeder having a bowl of diameter 100 mm. The problem in case of such thin parts is that they tend to overlap, especially at the outlet chute. Elscint solved this problem by ensuring that any parts coming over one another were re-circulated back into the bowl. Further the customer required the outlet chute at an angle of 35 degrees, this too was achieved in the specially designed outlet track. Further a small X-Y table with a 15 mm adjustment on each side and a small height adjustment stand having a (+/-) 50 mm adjustment on both sides was provided. The height adjustment stand provided is a standard one which is having a modular design. Due to these standard parts, ordering a vibratory bowl feeder from Elscint becomes very easy and helpful solution for machine builders as well as end users.



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Bowl Feeders for the pharmaceutical / medical industry

In case parts relating to pharmaceutical or medical industry are required to be fed through a feeder bowl, certain points must be taken care of. First and foremost, the bowl needs to be manufactured in stainless steel (either 304 or 316 grade, as per customer requirement). Secondly, it should be full argon welded in such a manner that there is no crevice or gap anywhere as this can result in dust accumulating over there. Even the fixing of the bowl needs to be done from the sides or the bottom. The bowl should not be fixed at the centre as the mounting holes can hold dust. The removal of the bowl too has to be easy and fast so that in case any changeover of bowls (for different parts) is required, it is fast. It might also be helpful in case the bowl might have to be autoclaved every now and then. For such applications, a stainless steel conical bowl with full argon welding is highly recommended with mounting from the sides. Some manufacturers provide cylindrical or step design bowls for such applications but they are not suitable for pharmaceutical

and medical applications. Orientation tooling too needs to be fully welded to the bowl and cannot be fixed by screws for obvious reasons.



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