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▶ FEEDING IN THE LATEST

▶ VIBRATORY BOWL FEEDER FOR FEEDING SHELLS OF VARIOUS SIZES

▶ ELSCINT MANUFACTURES 12 BOWL FEEDERS FOR FEEDING TERMINALS

Components for which systems are available

Elscint Ahead

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Feeding In The Latest . . .

Monish Shete

Both the news story of this edition of Elscint Ahead Newsletter are about recently completed projects. As usual, you can write to us with your feedback and also download the back copies of the [Elscint Ahead Newsletter](#) and the [pdf version](#) of this newsletter.

Vibratory bowl feeder for feeding Shells of various sizes

Elscint recently manufactured 8 vibratory bowl feeders for of needle roller bearing shells of various sizes through the same Bowl. The sizes of the shells varies from dia 15 mm to diameter 50 mm and ht. from 10 mm to 60 mm. Amongst these were shells where the diameter was less than the height as well those having diameter more than the height. While some were even having diameter equal to the height. All these different types of shells belong to different families as far as feeding them in a bowl feeder is concerned. However, Elscint has designed proprietary tooling in such a way that the feeding of all these is possible in the same bowl feeder with easy changeover. A cast aluminium bowl was used for this purpose which was lined with Elscinthane Polyurethane coating. This not only reduces the Noise Level but also the feed rate can be improved due to the superior finish. In fact, the noise level can be reduced by about 10 to 15 Db due to this coating. The feed rate achieved was about 4 Mtrs / Minute, depending upon the component size. More importantly, as is the standard with Elscint bowl feeders, an overflow arrangement was been provided so that the need for having a Sensor is eliminated. As Elscint has made this a standard item, this Bowl Feeder is very competitively priced and available at a very low lead time.



[You can watch the video of the vibratory bowl feeder for feeding bearing shells.](#)



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Elscint manufactures 12 bowl feeders for feeding terminals

[Elscint](#) recently completed orders for a total of twelve vibratory bowl feeders for feeding of 6 different types of terminals. The orders were from five different customers. The basic terminals remained the same though the dimensions and structure as well as the requirements from the customer were different. However, all the bowl feeders had a 400 to 600 mm long linear track. Four of the bowl feeders also required singulation ahead of the linear track for ease of pick up by the pick and place unit of the customer. The required speeds ranged between 40 parts per minute to 80 parts per minute. Elscint has developed special expertise in the handling of terminals which make manufacturing these types of bowls fast. The construction being modular, Elscint has become the go to bowl feeder manufacturer when it comes to terminal feeding.

All the bowls were made of cast aluminium with the tooling being in stainless steel. The bowls were coated with Elscinthane PU coating. Model 250 with a 3 liter bowl capacity / 12 kgs by weight were used for all these applications.

You can watch a few of the videos of some of these bowl feeders –

[Vibratory bowl feeder 1 for terminal](#)

[Vibratory bowl feeder 2 for terminal](#)



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