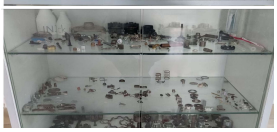
Components for which systems are available



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- FEEDING IN THE LATEST
- NEW MODEL OF LINEAR VIBRATOR
- FEEDING OF BEARING SHELLS

# Elscint Ahead

*Feeding In The Latest . . .*

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In this last newsletter of 2024, the news is about a recently completed project along with a new development, a new model of linear vibrator. This new linear vibrator model can accommodate a track lengths upto even 2 mtrs and can be used instead of a belt conveyor. As usual uou can download the pdf version of this newsletter as also the back copies of the Elscint Ahead Newsletter.

## New Linear Vibrator Model introduced

Elscint has recently introduced a new linear vibrator model which has the capacity of mounting of tracks up to the length of 2000 mm. Many times the requirement is of a longer track and the present largest linear vibrator Model LF IV has a capacity of only up to 1200 mm long tracks. Hence, to cater to these longer length track requirements, a new model has been developed. It is with a modular construction so that tracks from 1200 mm to 2000 mm can be used on the same. The modular design enables fixing of multiple coils from 1 to 3 nos, depending upon the length of the track. It is a totally compact construction as the width of the linear vibrator is only 130 mm thus ensuring that it can be mounted in any place without any constraint. Further the linear speed which can be achieved is 7 to 8 mtrs. Per minute. Mounted on 6 rubber grommets, the vibrations are not transferred onto the bottom plate. Additionally, Elscint can offer a mounting arrangement with adjustable pipes which can be used for matching the outlet heights. Height adjustment too can be provided, if required. The noise level is less than 72 Db with less power consumption, thus making it an attractive and cheaper alternative to a conveyor belt feeder. Further, this vibrator has the superior built quality of all Elscint products making it sturdy and long lasting.

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# Feeding of Bearing Shells of various sizes

**Elscint** recently manufactured 5 vibratory bowl feeders for feeding of 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 are feeding them in a bowl feeder is concerned. However, Elscint has designed proprietary tooling in such a way that the feeding of all these was possible in the same bowl feeder with easy changeover. 4 sets were for larger sizes and hence Model 630 with a 1000 mm diameter bowl was used while one being only for smaller shells, Model 400 was used. A stainless steel bowl was used for Model 630 while a cast aluminium bowl was used in case of Model 400. All the bowls were Coated 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 provided so that the need for having a Sensor was eliminated.

However, a sensor was provided along with the bowl feeders. Cubical stands with (+/-) 100 mm ht adjustment were provided for each of the bowl feeders making integration easy for the customer. You can watch the video of the vibratory bowl feeder for feeding bearing shells.

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