



Components for which systems are available

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▶ COVER / GUARD FOR VIBRATORY BOWL FEEDERS

# Elscint Ahead

*Feeding In The Latest . . .*  
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A very Happy Holi to you. I hope you celebrated the festival of colours. In fact it surely has been a period of celebrations, starting with Sachin Tendulkar's double ton in the one day cricket matches and ending with a very positive growth in India's exports and import figures. Lets hope it continues this way.

Coming to this edition of Elscint Ahead, the first news is about how Elscint has developed a versatile bowl for feeding of large plastic caps. The next topic offers technical information explaining the Elscint design of covers or guards of vibratory feeders. I am confident that you will surely appreciate the concepts which we use on Elscint vibratory bowl feeders, which they are quite different from other makes. Read more about it in the second news story.

## Elscint Vibratory Bowl Feeder for large Plastic Caps

Elscint has developed a special vibratory bowl feeder for large caps having diameter of more than dia 100 mm. Plastic Caps require feeding for automatic capping machines as well as other special pharmaceutical and consumer goods feeding machines. These caps have to be oriented in one particular direction, which can either be open side facing sky or open side facing ground or even the open side facing center of the bowl or away from it. Speeds or the feed rate achievable in case of such large caps is about 60 to 80 caps per minute depending upon the size of the plastic cap. As most of the caps come out in "open side facing sky" orientation, they need to be twisted to change the orientation to "open side facing ground". For this Elscint has developed a very versatile tooling which can twist caps of any diameter in 180 degrees or as required



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## Cover / Guard for Vibratory Bowl Feeders

It is important to cover vibratory bowl feeders. This ensures that operators do not touch the electrical connectors or wires, resulting in an electric shock. Secondly, it reduces the noise level of the vibrator. The cover of the vibratory bowl feeder is also called guard. The guard is usually screwed to the vibrator counter weight or the base. However, the counter weight or the base of the vibrator vibrates and hence vibrations are transferred to the guard / cover resulting in abnormal vibrations and secondly, further increasing the noise emanating from the vibratory feeder. For ensuring that this does not happen, Elscint provides an extra non-vibrating base plate below the vibrator counter weight / base i.e. below the rubber dampeners. The guard or the cover is screwed to this base plate. This ensures that the cover does not vibrate and hence, the overall noise level emanating from the vibratory bowl feeder is reduced. Other manufacturers do not follow this practice as they try to reduce the cost of the extra mounting plate. This is shown in the first two photos. However, there remains a small gap between the top part and the cover. In case of pharmaceutical requirements or where the requirement is so stringent that no dust should be allowed in,

Elscint provides a totally enclosed cover, fabricated in stainless steel (shown in the third photo). Though slightly costly, it offers great aesthetic appeal while ensuring complete protection from dust, oil, water etc.



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