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▶ FEEDING IN THE LATEST

▶ 6 BOWL FEEDER ORDER

▶ FEEDING OF OVAL CAPS

Components for which systems are available

Elscint Ahead

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Feeding In The Latest . . .

Monish Shete

The first news story of this edition is about a recently completed order for 6 bowl feeders while the second story is about a bowl feeder and elevator for feeding oval caps. 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.

Elscint completes 6 Vibratory Bowl Feeder order for an OEM

[Elscint](#) recently completed a six vibratory bowl feeder order from a reputed South India based OEM who is manufacturing an assembly machine for his captive use. The parts were ranging from O ring to spherical bearing to washers and dowels, some parts being plastic and some metallic. Though most of the parts were easy to orient, the washer was slightly complicated as the customer wanted it axial with its ears on each side. The tendency of this part was to come flat with the ears in the front and back. However, with the tooling system designed by Elscint, the required orientation was possible. Along with the bowl feeders, linear tracks were provided for each of the equipment, ranging from 600 mm to 1100 mm, as per requirement, as also a mounting stand having (+/-) 100 mm ht. adjustment. All the vibratory feeders used were Model VBF 160, some with stainless steel cylindrical bowls or else with cast aluminium bowls, with Elscinthane PU coating. The linear vibrator Model used was SM II which is a very compact one, most suitable for such small parts. The customer wanted early delivery and the same was provided in less than 8 weeks of receipt of the order. [You can watch the video of the washer bowl feeder.](#)



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Vibratory bowl feeder for feeding Oval Caps

[Elscent](#) recently supplied a vibratory bowl feeder for feeding of Oval Caps having size 50 x 25 mm x 30 mm ht.. The requirement was to feed the same in “open side down orientation” to the capping machine of the customer. The scope of supply included a vibratory bowl feeder, gravity chute with a sensor on the same to switch off the bowl feeder once the chute was full of caps as also a stand to mount the complete equipment and an Elevator with a hopper having a capacity of 125 litres. The elevator was completely enclosed giving it a very good aesthetic look. The requirement was to feed the caps at a speed of 120 caps per minute. Elscint used its Model 400 with a stainless steel bowl having diameter of approximately 750 mm for this purpose. Usage of air was allowed and hence air was used to change the orientation as well as get them out of the bowl fast. The caps were then twisted in the bowl itself to make them all upside down (open side down) as the tendency of the caps was to come in open side up position in the bowl feeder. The required speed was achieved with 100% correct orientation. The elevator base structure was made in Aluminium extruded sections with stainless steel mounting and polyamide slats. A level controller was provided in the bowl to ensure that the elevator would work only when the caps in the bowl feeder were less. Additionally, a polycarbonate cover was provided for dust free operation for the Elevator feeder.

The construction was in Aluminium Extruded sections and all the major parts were made of stainless steel. Other items other than the vibratory bowl feeder and elevator were gravity chute, stand for mounting the vibratory bowl feeder, Level controller in the bowl as well as in the hopper, with a tower lamp to give signal in case the hopper is empty. [You can watch the video of the equipment.](#)



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