

# Elscint Ahead



- ▶ FEEDING IN THE LATEST
- ▶ HIGH SPEED BOWL FEEDER FOR FEEDING COINS
- ▶ DOUBLE OUTLET CAP FEEDER

Components for which systems are available

## *Feeding In The Latest . . .* *Monish Shete*

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In this edition of the Elscint Ahead Newsletter, the first news story is about a recently completed project for feeding of coins at a high speed. While the other news is about a recently completed order for feeding of 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 high speed bowl feeder for feeding Coins**

[Elscint](#), recently manufactured a high speed vibratory bowl feeder for feeding of various types of coins at a speed of 250 coins per minute (for a dia 30 mm coin). Elscint used its Model 400 for this application with a cast aluminium bowl. The tooling was made in stainless steel and the complete bowl was coated with Elscinthane PU coating. The bowl had a diameter of 650 mm. Coins of various sizes from dia 10 mm x 1 mm thk to dia 40 mm x 3.5 mm thk were to be fed in the bowl and hence, Elscint designed a highly specialized tooling which helped reduce the change over time drastically. The change parts were all made in such a way that the adjustment was easy and fast. This ensured that even unskilled technicians could do the changeover in very less time. Ahead of the bowl, a gravity chute was provided for taking the coins upto the conveyor of the customer. This too had provision for adjustment as per the various sizes of coins. A cubical stand with (+/-) 100 mm height adjustment too was provided along with the bowl feeder. The customer wanted to export the bowl feeders to Europe along with his equipment and it helped that Elscint vibrators are having CE marking, ensuring that the stringent European safety requirements are taken care of. Based on the success of the equipment, the customer immediately ordered two more sets after the first one was dispatched and installed at his premises. [You can watch the video of the bowl feeder for coins.](#)



### **Elscint Automation**

W-191 Bhosari MIDC  
Pune 411 026. India  
Tel.: +91-20-27122059 Fax: +91-20-27122994  
Email – [sales@elscintautomation.com](mailto:sales@elscintautomation.com)  
Website – [www.elscintautomation.com](http://www.elscintautomation.com)

## Elscent Double Outlet High Speed Bowl Feeder for caps

[Elscent](#) recently manufactured a high speed vibratory bowl feeder for feeding of 3 types of caps with double outlet at a speed of 75 caps per minute per row. Elscint used its Model 400 for this application with a stainless steel step / cascade design bowl. The bowl had a diameter of 680 mm. In fact, Elscint has designed a highly specialized tooling which can help reduce the change over time drastically. The change parts were all made in such a way that these can fit in the correct positions and there hence, no slots were required for adjustment. This ensured that even unskilled technicians could do the changeover tooling in very less time. All the three caps were having diameter less than the length of the cap and hence most caps would come in axial direction. It was required to get the caps up in open side up position.

Thereafter, a wire cut rod type twisted chute was provided to twist the caps in 180 degrees position to make them open side facing ground. After this twisting, they were bifurcated into two rows, thus giving two outlets. A gravity chute too was provided which ensured that the caps were taken to the pick up position. The end position was made flat. Additionally, a stopper and pick up arrangement was provided for ease of pick up by the customer. Speeds of 160 to 180 caps were achieved (together) for various cap sizes which ranged from dia 19 mm to dia 25 mm and length ranging from 25 mm to 32 mm.

[You can watch the video of the bowl feeder of the biggest cap](#) and [of the smallest cap](#).



### Elscent Automation

W-191 Bhosari MIDC  
Pune 411 026, India  
Tel.: +91-20-27122059 Fax: +91-20-27122994  
Email – [sales@elscentautomation.com](mailto:sales@elscentautomation.com)  
Website – [www.elscentautomation.com](http://www.elscentautomation.com)