



- ▶ FEEDING IN THE LATEST
- ▶ BOWL FEEDER FOR SWAB TUBES
- ▶ FEEDING OF HONEY CAPS

# Elscint Ahead

Components for which systems are available

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

Visit Us At- [www.elscintautomation.com](http://www.elscintautomation.com)

The first news story of this edition of the Elscint Ahead Newsletter is about feeding of large size tubes for storing Covid 19 Swabs while the second one is about a recent export supply. 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.

## **Feeding of large size tubes for storing Covid 19 Swabs**

[Elscint](#), was recently approached by a customer to feed the tubes required to store Covid 19 test swabs. These were large plastic tubes having diameter 29 x 115 mm length and dia 16.8 mm x 120 mm length. It was a plain tube with 1.5 threads near the mouth. The customer wanted the tubes diameter to diameter, with the threading up. The threading was too less (1.5 mm extra diameter above the tube) and this made the tubes very difficult to orient. Additionally, the customer wanted a very high speed (120 parts per minute).

Elscint took up this challenge and provided a speed of 160 parts per minute for the dia 16.80 x 120 mm length tubes and 120 parts per minute for diameter 29 x 115 mm length tubes. Elscint used Model 630 with a step type bowl having diameter of dia 1100 mm. Ahead of this, a linear track of 750 mm was provided along with a and an aluminum extrusion for mounting the complete equipment. The parts being for medical usage, all GMP standards were taken care of. The equipment was completed on an urgent basis on the request of the customer.



You can watch the [video of this vibratory bowl feeder. And second part, the bigger tube.](#)



### **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)

## Feeding of Large Oval Caps

[Elscent](#) recently supplied a vibratory bowl feeder for feeding of Oval Caps having size 64 x 39 mm x 25 mm ht. The requirement was to feed the same in “open side down orientation” with the opening side forward in widthwise manner to the capping machine of the customer. Additionally an Hopper Elevator was supplied for extra loading capacity. The elevator was completely enclosed giving it a very good aesthetic look. The requirement was to feed the caps at a speed of 40 caps per minute. Elscint used its Model 400 with a stainless steel bowl having diameter of approximately 700 mm for this purpose. Usage of air was allowed and hence air was used for ensuring that only one side came forward (opening side). The caps were then twisted in the bowl itself to make them all upside down (open side down). The required speed was achieved with 100% correct orientation. The elevator base structure was made in Aluminium extruded sections. The Elevator too was with a stainless steel hopper and PU food grade belt. 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.

After the caps came out of the bowl, they were conveyed ahead with a linear vibrator of 400 mm length. Thereafter a pneumatic pusher was used to push the caps perpendicularly so as to make them widthwise. Thereafter they were again taken forward upto the customer’s machine on another linear vibrator. The scope of supply included the vibratory bowl feeder and along with that a linear vibrator, a pneumatic pusher, stand to mount these and an extra capacity elevator feeder having a capacity of 125 litres. There was a level controller in the bowl as well as in the hopper, with a tower lamp to give signal in case the hopper is empty.

The equipment was dispatched to Israel within a short time to ensure it reaches before the start of the honey making season. The caps were for bottles of honey. [You can watch the video of the equipment.](#)



### **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)