



▶ FEEDING IN THE LATEST



▶ MINIATURE BOWL FEEDER

▶ 6 OUTLET RAZOR CARTRIDGE FEEDING

Elscint Ahead

Components for which systems are available

Feeding In The Latest . . .
Monish Shete

Visit Us At- www.elscintautomation.com

Welcome to the February edition of the Elscint Ahead Newsletter. The first news story is about a recent supply of a very small bowl feeder where the orientation was critical as the part was very small, just dia 2.6 mm x 1.6 mm. In fact, orientation of such small parts requires a lot of skill which nowadays few possess! The second news item is about a high speed equipment for feeding of razor cartridges. As usual you can download the [pdf version](#) of this newsletter as also the back copies of the [Elscint Ahead Newsletter](#).

Miniature Vibratory Bowl Feeder for feeding dia 2.6 mm x 1.6 mm part with 0.6 mm chamfer

[Elscint](#) recently manufactured a vibratory bowl feeder for a small part having dia 2.6 x 1.6 mm ht having a 0.6 mm chamfer on one side length. One side had a small chamfer of 0.6 mm. The chamfer end was required to be down while coming out flat on a linear vibrator. As usual most bowl feeder manufacturers did regret it as it was in fact even difficult to observe the chamfer easily by a naked eye. However, Elscint took up the challenge and completed the bowl feeder in less than the quoted time. A speed of 100 parts per minute was observed as against the requirement of 25 parts per minute. The orientation was first made to ensure than the chamfer side was up. Thereafter the part was twisted in 180 degrees to get the chamfer side down. Twisting such a small part is not only very difficult but also requires a lot of skill which few new bowl toolers now possess. After twisting the part was got forward on a small linear vibrator of around 150 mm length and a non-vibrating portion was provided for the customer to arrange pick up of the oriented part.



The bowl had a diameter of just 100 mm and the model used was Model 100 which incidentally also has a drive diameter of 100 mm only. The linear vibrator used was also a very small one (Model VI) You can watch the video of the Elscint [Bowl feeder for feeding the small chamfer part](#).



Elscint Automation

W-191 Bhosari MIDC
Pune 411 026. India Tel.: +91-20-27122059
Email – sales@elscintautomation.com
Website – www.elscintautomation.com

6 Outlet Vibratory Bowl Feeder with Hopper Elevator for feeding razor cartridges

Elscent recently completed an order of feeding systems for a leading multi national shaving products manufacturing company. The scope of supply included two vibratory bowl feeders with 3 outlets each for feeding of the razor cartridges along with covers, an extra capacity hopper elevator feeding to both the bowl feeders, stand, a noise enclosure along with a 6 outlet linear track of 1 mtr. Length. Elscint used its Model 630 vibratory drives with an outer track bowl for this purpose. Each bowl was almost 1250 mm in diameter. Thereafter the cartridges were fed onto a 1mtr. length linear track mounted on Elscint LF IV linear vibrator. The total equipment was mounted on a table and a single enclosure was provided to ensure noise reduction and safety. The enclosure was lined with acoustic foam and a 10 mm top polycarbonate cover was provided at the top. For feeding to the vibratory bowl feeder, a vertical elevator was provided, which ensured less floor space and convenient loading height for the operator. Almost 15000 cartridges could be accommodated in the hopper of the elevator. The elevator had two outlets which were fixed with pneumatic cylinders to ensure that either one or both the bowls could be replenished based on the level of cartridges in the bowls. In case both the bowls were full, the elevator was switched off.

The complete electrical panel was mounted separately on a totally different stand. This resulted in the controllers not being affected by the vibrations of the vibratory feeders. The complete equipment was built and shipped to the customer's location in North India and commissioning and installation too was completed immediately. You can watch the video of the Elscint [Razor Cartridge feeding equipment](#).



Elscent Automation

W-191 Bhosari MIDC
Pune 411 026. India Tel.: +91-20-27122059
Email – sales@elscentautomation.com
Website – www.elscentautomation.com