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▶ FEEDING OF SUNFLOWER SEEDS

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Components for which systems are available

# Elscint Ahead

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## Feeding In The Latest . . .

Monish Shete

This edition of the Elscint Ahead newsletter contains two news items, the first being a unique vibratory bowl feeder manufactured for feeding of sunflower & corn seeds and the other being a high speed rotary feeder for needle rollers. As usual, you can write to us with your feedback and also download the back copies of the [Elscent Ahead Newsletter](#) and the [pdf version](#) of this newsletter.

## Feeding of Sunflower Seeds

[Elscent](#) recently manufactured a special and small vibratory bowl feeder for feeding of sunflower seeds. The sunflower seeds were having varying sizes and dimensions and hence feeding them was a challenge. Plus the speed required was 600 seeds per minute, which translated into 8 metres per minute, which too was on a higher side. The end use was for vision inspection and hence a single line of the seeds was required along with high accuracy and very accurate and precise feeding. Elscint used its Model 160 with a stainless steel cylindrical bowl for this application. The specially designed bowl ensured that a single flow of seeds was fed but the speed at which it was dispensed was very high. Further, a linear vibrator with a 500 mm track was provided to ensure that the seeds flow onto the turntable of the manufacturer. A changeover bowl was provided for feeding of corn seeds too. Additionally, a frequency controller was provided with the provision for varying the speed of the vibrator through a PLC so that the speed could be adjusted as per requirement.



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## High Speed Rotary Feeder for feeding Needles to Centreless Grinding Machine

[Elscint](#) has developed a unique Rotary Feeder for feeding of Needle Rollers. This unit finds application for feeding of needle rollers to centerless grinding machine. The requirement for this application is for a very high speed feeder (feeding at a speed of above 20 meters per minute). A big factor for most users is that they need to feed a variety of needle rollers in this Rotary Feeder. The design perfected by Elscint ensures that sizes from diameter 1.5 mm till diameter 20 mm can be easily fed in the same Feeder with very less changeover. In fact, the only part to be changed is the outlet tube. The construction is such that the tube can be easily changed without any adjustment required when the needle roller size changes.

The Rotary Feeder has a rugged design with excellent build quality, which is the hallmark of all Elscint products. It is made in a Cast Iron Casting and lined with stainless steel for ensuring proper rigidity. The top is covered with a see through polycarbonate sheet. The loading capacity is almost 20 kgs. The diameter being 390 mm, the equipment is very compact and more versatile than a vibratory bowl feeder. An AC Geared Motor of Elscint Make having Variable Speed is provided with this so that the speed or feed rate can be varied as required. This helps adjust the Feeding Speed according to the actual requirement of the user.

The advantage in case of a Rotary Feeder as against a Vibratory Parts Feeder is that Rotary Feeders work at much higher speeds and thus a better feed rate can be achieved. Further, this Rotary Feeder makes negligible noise as compared to a vibratory bowl feeder. The maintenance too is very less, with only greasing of the gear box to be done as routine maintenance. These type of Rotary Feeders are available with Elscint at a very attractive price and fast delivery. [You can watch the video of the same.](#)



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