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▶ FEEDING IN THE LATEST

▶ FEEDING TO EDDY CURRENT TESTING MACHINE

▶ ROTARY / CENTRIFUGAL FEEDER FOR BATTERY PARTS

Components for which systems are available

Elscent Ahead

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Feeding In The Latest . . .

Monish Shete

This edition of the Elscint Ahead Newsletter contains two news stories, first news is about a feeding system provided for feeding of Uranium pallets to centerless grinding machine while the second one is about a Rotary / Centrifugal Feeder for feeding of needle rollers at a very high speed. 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 System for Uranium Pallets

[Elscent](#) recently manufactured a vibratory feeding systems for feeding of Uranium pallets to a centerless grinding machine. The pellets were having diameter 14 mm to 16 mm and length too varied between 15 mm to 18 mm. Handling of Uranium pellets is hazardous for the operator and hence the customer wanted to automate his process. Further, a big advantage of automating the feeding system is that the output too increases tremendously and productivity can be increased exponentially. The equipment consisted of a vibratory bowl feeder and conveyor ahead of the same. A table was also provided to mount both these units. Additionally, a loading tray with a vibrator was provided for loading the pellets through their boat. A Stand with (+/-) 100 mm ht. adjustment and X – Y movement was provided for ease of adjustment. The complete system was enclosed in a mild steel enclosure with acoustic foam and top polycarbonate see through cover. The enclosure also ensured that no dust came out, thus making the complete system safe for an operator. There were some amount of chips which were fed along with the pellets. Proper dust holes were provided with a pipe to take out the dust and chips from the equipment. They were accumulated in a separate bin.



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High Speed Rotary Feeder for Needle Rollers

Elscent has recently modified the design of its Rotary Feeder for feeding of Needle Rollers. The earlier version used to have a speed or feed rate of 15 metres per minute. The modified design can achieve a speed of upto 40 metres per minute. The basic structure of the equipment is changed in order to get this high speed. This high speed 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 30 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 new design perfected by Elscint ensures that sizes from diameter 1.5 mm till diameter 15 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 Cast Iron Casting and lined with stainless steel for better rigidity and life. The top is covered with a see through polycarbonate sheet. The loading capacity is almost 30 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 Automation at a very attractive price and fast delivery. [You can watch the video of the same.](#)



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