



Components for
which systems are
available

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▶ FEEDING IN THE
LATEST

▶ ELSCINT RENEWS CE
MARKING

▶ FEEDING OF URANIUM
PELLETS

Elscint *Ahead*

Feeding In The Latest . . .

Monish Shete

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This edition of the Elscint Ahead Newsletter reaches you at a time when the manufacturing activity has now restarted and getting back to normal. Elscint is now functioning at full capacity with strict protocols in place. The first news story is about Elscint's renewal of CE Marking for its products while the second one is about a projected completed just before the lockdown in March. 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 renews CE Marking for its Vibratory Bowl Feeders & Linear Vibrators

[Elscint](#), has recently renewed its CE Marking. The new certification is from Techicka Inspekcia, a.s., Slovakia. The technical file of the equipment has been issued according to EN ISO/IEC 17020 (Machinery Directive – Electrical Equipment of Machines) and EN ISO 12100 (Safety of Machinery). It implies that the technical file fulfils the safety requirements in accordance with the directive 2006/42/EC. The regulatory tests have been conducted at a reputed Government test laboratory. All Models of the Elscint Vibratory Bowl Feeders and linear vibrators are now certified. Mr. Monish Shete, Director of Elscint Automation informs that Elscint is the only manufacturer from India who has this certification for these equipment. It is also arguably one of the few outside Europe. The marking underlines adherence to the stringent European Safety Norms. The certificate was issued on 14th February, 2019 and is valid till 2024.



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Vibratory feeding System for Uranium Pellets

[Elscent](#) recently completed a project where in the requirement was for feeding of two types of small metal cups having diameter 12 mm x 12 recently manufactured three vibratory feeding systems for feeding of uranium pellets to a centerless grinding machine. In fact, Elscint had already supplied 4 similar systems earlier to the same customer.

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.

The first 4 systems supplied by Elscint had been working for four years without any problem and hence the customer was confident about ordering three more repeat systems. The customer had seen that the output of his grinding machines had increased tremendously due to automatic feeding and productivity too had increased. The equipment consisted of a vibratory bowl feeder and conveyor ahead of the same. Thereafter a linear vibrator with a V type chute was provided to take the parts upto the grinding machine work-rest. Additionally, a loading tray with a linear vibrator was provided on the top of the vibratory bowl feeder for loading the pellets through their boat.

The complete vibratory bowl feeder was covered with a noise enclosure with a top polycarbonate cover to ensure that no fumes came out of the equipment. The fumes being radioactive, it was imperative that a separate suction be provided to ensure that the same are removed. Provision was made for this too. A cubical Stand with (+/-) 100 mm ht. adjustment and X – Y movement was provided for ease of adjustment.

The customer was worried about the extent of chipping of the pellets and removal of the chips and dust. For this, 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. The bowl was lined with Brushlon coating to ensure that chipping was negligible and also the feed rate was improved. A total feed rate of 250 pellets per minute was achieved.

Elscent not only completed this equipment but installed and commissioned the same at the customers plant. [You can have a look at the video of the same.](#)



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