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Elscint Ahead

Components for which systems are available

Feeding In The Latest . . .
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First of all wishing you a very happy Dussehra, may the good win over evil. Coming to the October edition of the Elscint Ahead Newsletter, the first news is about Elscint's successful participation in Motek 2023 at Stuttgart, Germany, while the second one is a recently completed feeding equipment made for the pharmaceutical industry. You can download the [pdf version](#) of this newsletter as also the back copies of the [Elscint Ahead Newsletter](#).

Elscint successfully participates in Motek 2023 at Stuttgart, Germany

[Elscint](#), recently successfully participated in the 41st Messe Motek 2023 the largest Automation show in Germany held in Stuttgart between 10th to 13th October, 2023. It had its own independent stand where the various Elscint products like vibratory bowl feeders and linear vibrators were displayed. It was Elscint's first overseas trade fair and the response received was overwhelming. However, its other products like Rotary / Centrifugal Feeders, Bottle Unscramblers, Hopper Elevators, belt conveyors and Step feeders could not be displayed for paucity of space and logistics bottlenecks, but information about the same was provided.

Elscint's high performance vibrator drives found good inquiries amongst Germany bowl toolers. They were especially interested in procuring and stocking the same. They could observe the performance of the same and check it on the display units. The drives are CE certified having excellent performance along with durability, solid built quality and zero maintenance. These units are correctly engineered to give stable performance at high speed with minimum maintenance. Complete machining is done on latest 5 Axis CNC machines. These high performance drive units can be ordered off the shelf. Totally encapsulated type coils with adequate power for particular models, are used. Both Full wave as well as Half wave units are available in each model.

Quite a few bowl toolers were also interested in tooled bowls, especially as the prices and delivery times are attractive.

A lot of inquiries were also received for representation and stocking of its products in Europe.



Elscint Automation

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

Elscint Rotary Feeder for WFIs / Respules

There are certain parts which cannot be properly fed in a vibratory bowl feeder at a high speed and hence a Rotary / Centrifugal Feeder (motorised feeder) is required. For a recent project, Elscint manufactured two large Rotary / Centrifugal Feeder for feeding of WFI / Respules having sizes from 20 mm x 115 mm to 135 mm x 145 mm. There were single, double, triple and multiple sets of respules in this, upto 7 respules. These were joint and needed to be fed together, making the 7 respules upto 135 mm width x 145 mm length. The thickness too were different, making it more complicated. The speed required was between 100 to 150 respules per minute depending upon the respule size. This orientation required was lengthwise feeding. Hence, Elscint proposed two Rotary / Centrifugal Feeders. Model RF 1500 which is a double disc Model was used with a size of around 1.5 x 1.5 mtrs. In case of a Rotary / Centrifugal Feeder, one cannot load more than a few components at one time, hence, Elscint proposed a large 150 ltr. Vertical Elevator. This ensured that 2000 WFI / Respules were stored in the hopper of the elevator. The parts were loaded in the elevator. Once the level of parts in the Rotary Feeder went down, the Hopper elevator would start and stop once the particular set level was reached. This was done based on a level sensor inside the Rotary Feeder. A long gravity chute was provided to match the outlet with the belt conveyor of the customer, which took the parts further to the packing machine of the customer. The equipment was completed at Elscint works in Bhosari, Pune and shipped to the customer in Japan. The equipment was manufactured with superior build quality which is the hallmark of Elscint products. This being a pharmaceutical requirement, all the parts were made in stainless steel with mirror polishing.

The gear boxes used were all Elscint makes with Danfoss make VFDs used in the panel along with LOTO provision for the electrical as well as the pneumatic panels. One Rotary Feeder was made suitable for respules having 1, 2, 3 and 4 sets where the second one was for 5 to 7 sets joint together. You can watch the video of the [equipment with 6 joint respules](#) as [also that with 3 respules](#) and [with 2 respules](#).



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