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▶ FEEDING IN THE LATEST

▶ 6 OUTLET VIBRATORY BOWL FEEDER FOR PLASTIC RIVETS

▶ FEEDING OF WASHERS FOR GRINDING

Components for which systems are available

Elscint Ahead

Feeding In The Latest . . .

Monish Shete

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The festive season has started with the Ganesh festival starting by the time this Newsletter reaches you. It makes automation imperative in this season of high absenteeism! Coming to this edition of the Elscint Ahead Newsletter, the first story is about a recently supplied 6 outlet bowl feeder for feeding rivets while the second one is about a specialized bowl feeder manufactured for feeding of washers. Hope to find these interesting. 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 too.

6 Outlet Vibratory Bowl Feeder for Plastic Rivets

[Elscint](#) recently manufactured a vibratory bowl feeder for feeding of plastic rivets in 6 rows. The rivets were small ones, having dia 10.60 mm x tail dia 6.40 mm x 12.30 mm ht. The requirement was to feed the rivets in 6 rows at a centre distance of 50.47 mm at various uneven points at a speed of 60 parts per minute per row. Elscint recommended its Model 400 HD with Linear Vibrator Model Elscint II HD. Model 400 HD has a bowl diameter of more than 800 mm ensuring a lot of loading capacity, eliminating the need of a separate hopper and level control. A speed of between 60 to 120 parts was observed in the various rows. A major requirement in case of multiple outlets is that there should be proper overflow arrangement to ensure that once a particular track is full, the excess rivets are either diverted to another track or fall back into the bowl. Elscint ensured that this was done properly. The rivets being white in colour, Elscintane coating was provided on the bowl to ensure that they do not get coloured or dirty during usage in the stainless steel bowl. The equipment was supplied to an overseas customer requiring working on 110 V / 60 Hz input power. Confirmation videos were sent to the customer for his approval and then the system was packed and dispatched by air freight mode to the customer's works.



Elscint Automation

W-191 Bhosari MIDC
Pune 411 026. India
Tel.: +91-20-27122059 Fax: +91-20-27122994
Email – sales@elscintautomation.com
Website – www.elscintautomation.com

Vibratory Feeding System for feeding Washers to a Grinding Machine

[Elscent](#) recently supplied three feeding systems for feeding of flat washers from dia 25 mm to dia 70 mm and having thickness of 1.5 mm to 6 mm for feeding to grinding machines. Due to the wide variation between the washer sizes, the customer required an “X” adjustment of 100 mm. Hence, Elscint provided its standard 100 mm “X” Adjustment along with a “Z” or height adjustment of (+/-) 125 mm. Another requirement was that the washers should be pushed into the grinding machine and the space available for the feeder was almost 800 mm away from the machine work rest. Therefore, Elscint supplied an 800 mm long belt conveyor feeder with a variable frequency drive to ensure that the washers are carried forward and further pushed into the work rest as per the client requirement. The complete system consisted of a control panel with 3 phase input supply and a sensor on the conveyor which ensured that the vibratory bowl feeder switched on / off once the conveyor belt was full of washers. One system was supplied & installed initially and the customer used it for more than 3 months.

After he was completely satisfied with the performance of the same, the balance two were supplied. This feeding equipment resulted in an increased productivity of almost 25% for the customer.



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