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▶ FEEDING IN THE LATEST



▶ FEEDING & DISPENSING SCREWS IN 6 ROWS

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Components for which systems are available

Elsclint Ahead

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Feeding In The Latest . . .

Monish Shete

Wish you a very happy Diwali in advance. The first news story of this edition of the Elscint Ahead Newsletter is about a unique feeding and dispensing bowl feeder manufactured recently while the second one is about a medical product. As usual, you can write to us with your feedback and also download the back copies of the [Elsclint Ahead Newsletter](#) and the [pdf version](#) of this newsletter.

Feeding & Dispensing Screws in 6 Rows

[Elsclint](#) recently manufactured a vibratory bowl feeder for feeding of small M6 x 9 mm length screws in 6 rows. The requirement was to feed the screws in 6 rows and dispense the same (6 at a time) at a particular PCD. The speed required was 20 cycles of 6 screws per minute. Elscint used its Model 250 D with an outer track bowl fabricated in stainless steel with 6 outlets. The screws were taken in tail forward manner in 6 separate tubes. Thereafter the same were connected to a singulating fixture which dispensed only one screw per tube at the required PCD. As happens in a multi track bowl, the speed / feed rate of each of the outlets was different. Hence, Elscint provided sensors for each of the types and used an air blow off to throw back the screws in the bowl once a particular tube was full. The 6 screws were dispensed on receipt of a signal from the customer. The complete assembly including the fixture was mounted on a single base plate. The supply included the control panel



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Vibratory bowl feeder for joined Vials

[Elscent](#) recently manufactured a unique Vibratory Bowl Feeder for feeding of joined plastic vials. Five vials were joined together and there was liquid in the same. The complete size was 83 x 95 mm and the second size was 60 x 68 mm. The orientation required was that the vials should come out widthwise with the mouth towards bowl centre. Speed required was 30 parts per minute. There were a total of 4 orientation possibilities and hence getting the required speed for such a large component was difficult. However, with the help of an air twisting mechanism, Elscint ensured that the wrongly oriented components were turned and hence, speed could be increased. Ahead of the bowl feeder, a 800 mm long linear track was provided. The complete equipment was required to be mounted on a stainless steel stand along with a level controller. The mounting plate too was provided with Stainless Steel cladding. The control panel was housed inside the stand cover and again was fabricated in stainless steel. The bowl and the linear track was fabricated in stainless steel 316L grade while the stand and other covers were in grade 304.

Elscent completed the equipment in record time and with aesthetic look required by the customer, who is a world renowned pharmaceutical machinery manufacturer. The joined vials were then fed to a cutting machine to cut the same and then onto a packaging machine.

You can watch the [video of this bowl feeder for feeding of the joined Vials](#).



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