

○ 01/2014 | ○ January | ○ 2014

▶ FEEDING IN THE LATEST

▶ ELSCINT SPRING
DISENTANGLER

▶ ELSCINT VIBRATORY BOWL
FEEDER FOR FEEDING BRASS
INSERTS

Elscint Ahead



Components for
which systems are
available

Feeding In The Latest . . .
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A very happy and prosperous new year to all of you. Along with the new year, you can find the latest edition of the Elscint Ahead Newsletter, the first one for the year 2014. The first news of this year is about Spring Disentangler which is a standard Elscint product, while the second news is about a recently supplied bowl feeder. 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.

Elscint Spring Disentangler

Small pressure springs are a tiny but vital part in numerous modern products. In fact, one of the most time consuming techniques is the handling of small components such as springs. Not only are they usually supplied in a tangled mass, from which they need to be freed, but they are also difficult to pick up and fix into position. It is very important that the feeding and location of the springs is extremely accurate during assembly. Vibratory bowl feeders can be used for feeding such springs. However, in case of severe entanglement of the springs, one requires a spring disentangler in addition to a bowl feeder for proper feeding of the springs. The spring disentangle disentangles the springs and loads them into the vibratory bowl feeder. The entangled springs are then recirculated to the spring disentangle. Depending upon the size of the springs, the correct size of the spring disentangle and bowl feeder can be planned. Further, depending upon the requirement, the springs can be fed in 1 or even more outlets (even 4 to 5). [Elscint](#) manufactures two models of spring disentanglers, which can be coupled with bowl feeders to provide disentangled springs in a tube or else only the disentangle can be used to disentangle the entangled springs.



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Elscint Vibratory Bowl Feeder for feeding Brass Inserts

[Elscint](#) recently manufactured a bowl feeder for feeding of brass inserts. In fact, two bowl feeder were manufactured, one for feeding of brass inserts having dia 10.50 x 12.50 mm length and dia 13 x 12 mm length. The brass inserts were conical in shape, making the orientation difficult, especially for the dia 13 x 12 mm one as the length and the minor diameter were the same. However, the innovative tooling designed by Elscint ensured that the orientation was correct and possibility of wrongly oriented components was totally eliminated. Additionally, a linear vibrator was provided to ensure the components were taken ahead with a slot in the track for easy pickup of the components at the end of the track. The customer requested for frequency controllers for the bowl feeder and the linear vibrator as well as feedback control for the vibratory bowl feeder. This too was supplied. There were a total of 3 sets, which were delivered within 4 weeks of receipt of the order. . You can watch the [video of this bowl feeder for feeding of the small inserts](#) and for [the bigger size brass inserts](#)



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