

Elscint Ahead



▶ FEEDING IN THE LATEST



▶ BOWL FEEDER WITH HOPPER FOR HORSESHOE NAILS

▶ 8 BOWL FEEDERS FOR THE POULTRY INDUSTRY

Components for which systems are available

Feeding In The Latest . . .
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Welcome to the August edition of the Elscint Ahead Newsletter. The advantage of being a bowl feeder manufacturer is that one gets to work with varied industries, which comprise from FMCG, pharma, automobile to even mining, irrigation and add to that the latest addition of poultry. The two news stories of this edition are related to such varied industries, the first being feeding of horseshoe nails while the second one is about a recent supply to the poultry industry. Coming to this edition of the newsletter, you can download the [pdf version](#) as also the back copies of the [Elscint Ahead Newsletter](#).

Bulk Feeding Bowl feeder with hopper for Horse Shoe Nails

[Elscint](#) recently manufactured a high speed vibratory bowl feeder for feeding of horseshoe nails in bulk. The requirement was to feed the parts in bulk for weighing. After the set weight of nails were dispensed, the bowl feeder was switched off and a pneumatic gate was closed so that no extra horseshoe nail fell out. This helped in accurately weighing the nails. The requirement was to feed 1000 nails per minute. Elscint designed a bowl feeder to feed upto 1500 nails per minute. Additionally a hopper was provided along with a level controller which would accommodate bulk quantity of horseshoe nails. The size of the nails was dia 7.50 mm x 50 mm in length. As the requirement was for bulk feeding, no orientation was required and only lengthwise nails were taken forward. Elscint used its Model 400 with a Cast Aluminium bowl, coated with Elscinthane PU coating for this application.

You can watch the video of the Elscint [Bowl feeder for feeding of the horseshoe nails](#).



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Elscint supplies 8 bowl feeders for the Poultry Industry

Sometimes you get orders from an industry which one does not anticipate as a customer. Same thing happened recently when we got orders for 8 bowl feeders from a poultry machine manufacturing company who were manufacturing special purpose machines for automating their own assembly line. They were manufacturing two machines which required four bowl feeders each. Three parts were common in the machines while the fourth one was different for each machine. There was a plastic housing in which all the parts were assembled. These were fed in one particular direction in a tube. Then came metal weight and metal pin. Both having a head and a tail. These were fed in a tube with the tail leading. All these three parts were not only fed in a tube but a singulator / pneumatic escapement was provided which ensured that a single component was released based on a signal from the supplier. Elscint's patented Pneumatic escapement was used for the singulation.

Thereafter came the metal bush which were different for both the machines. Both these were having a counter on one side and a slight chamfer on the other. As the parts were just dia 6 mm x 5.50 mm in ht, the orientation was very critical. After the bowl feeder, a linear vibrator with a 300 mm long track was provided along with a pneumatic singulator for ease of pick up. The customer placed the order in the second week of March, 2021, just before the second lockdown. As Elscint was in operation even during the lockdown period, all the eight bowl feeders were completed within 7 weeks and dispatched to the customer's plant

You can watch [the video of the bowl feeder for the first bush](#) and that of [bowl feeder for the second bush](#). The video of the [metal pin can be seen here](#).



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