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Components for which systems are available

Elscint Ahead

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Feeding In The Latest . . .

Monish Shete

This edition of the Elscint Ahead newsletter contains two news items, the first being a miniature bowl feeder manufactured recently while the second one is about a recently completed project wherein the bowl feeder was exported to Israel. 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.

Feeding small silver parts with 4 legs

[Elscint](#) recently manufactured a small vibratory bowl feeder for feeding of small silver parts having 4 legs on one side a flat side. The orientation was to get the legs up. The parts were having dimensions 2.5 mm diameter x 3.5 mm ht. of the legs. Elscint used a very small vibratory bowl feeder having a bowl of diameter 120 mm and designed the outlet chute in such a way that any parts which were coming sleeping fell back into the bowl. Only the parts having legs up were taken forward. As against a required speed of 60 parts per minute, speed of above 200 parts was achieved. A small machined portion of 100 mm was attached to the bowl. The customer wanted a separate gravity chute which he could mount on his machine. Hence, Elscint also provided the same. Mounting of this chute was to be done by the customer. You can watch the vibratory of the Elscint [Small Bowl Feeder](#).



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Elscent delivers Vibratory bowl feeder for feeding Metal parts in two rows to Israel

[Elscent](#) recently supplied a vibratory bowl feeder for feeding of a sheet metal component in two rows to a customer in Israel. The requirement was to feed this component in separate orientations (legs away and legs towards the bowl centre) in either of the rows. The speed / feed rate required was 20 to 30 parts per minute per row. As against this, Elscint achieved 45 parts per minute per row. A cast aluminium bowl with stainless steel tooling was used for this purpose. The bowl was coated with Elscinthane PU coating for long life and better performance. Ahead of the bowl feeder, a linear vibrator was provided to transfer the components upto the equipment of the customer. Elscint provided the whole system on a single base plate to ensure easy integration at the customer's end. Further, two separate sensors were provided on each of the tracks so that the bowl feeder could be switched off once both the tracks were full. Additionally, in case anyone track was full, air jets were activated inside the bowl to ensure that the components in that particular track fell off the track into the bowl, till the other track too got full (after which the bowl feeder got switched off).

Elscent completed this equipment much before the required timeframe and supplied to the customer in Israel by arranging for door delivery by air freight. You can watch the vibratory of the Elscint [Vibratory bowl feeder](#).



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