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Components for which systems are available

Elscint
Ahead

Feeding In The Latest . . .
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This edition of Elscint Ahead Newsletter, as usual it contains two recently completed applications, one for feeding of small pointed pins, which was dispatched to Finland while the other is of two bowl feeders exported to South Africa for feeding bolts and bushes. Hope you 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.

Vibratory Bowl Feeder for feeding Small Pins

Recently, an overseas customer approached Elscint for feeding of small pins having diameter of just dia 2 and length of 6 mm. All the pins had one end flat while the other end was slightly tapered. The customer wanted all these to be fed in the pointed side forward orientation. Elscint used its Model 100 to feed and orient the same. A complete machined bowl made of stainless steel was used for this purpose. Additionally, the requirement was to provide a linear vibrator with a small chute of 250 mm and a non vibrating part at the end so that the operator can pick up the pins by his robot. The pointed portion being very minute and small, it was a very difficult job to orient. However, Elscint used its expertise to make it possible. The complete system was completed in less than 4 weeks and shipped to Finland. You can watch the video of the Elscint Bowl feeder for feeding the pointed pins

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Elscint exports Vibratory Bowl Feeders to South Africa

Elscint recently manufactured and exported two bowl feeders to South Africa. One was for bolts having head diameter 13 mm x 53 mm length. The bolts were to be fed in a single line onto a gravity chute. The scope of supply included the bowl feeder, gravity chute with a sensor to start / stop the vibrator along with the controller. The complete assembly was mounted on a base plate. The bowl was made of stainless steel and coated with Elscinthane PU coating to reduce the noise level. The bowl being made of metal as also the component, the noise level was high. Elscinthane PU coating ensured that the metal to metal contact between the bowl and the components was eliminated and thus the noise level was brought down to a manageable 72 db. As against the required speed / feed rate of 15 parts per minute, Elscint achived more than 150 parts per minute!
You can watch the video of the bolt feeder.

The second bowl feeder was for small bushes with a flange on one side. The bushes were of size flange diameter 14 x bottom diameter 10 mm x 6.7 mm ht. made in 0.3 mm sheet. Two outlets were required with different orientation for each of these outlets. The orientation required was the flanges to be facing each other.

A particular centre distance too was required to be maintained between the two outlets. Again the scope included gravity chutes with sensors on each of these parts with a mounting base plate. As against required speed / feed rate of 15 parts per minute per row, Elscint achieved a speed of 100 parts per minute per outlet. As usual Elscinthane PU coating was provided on the bowl feeders to ensure that the bushes were not damaged due to constant rubbing on the metal bowl surface. The bowl was made of stainless steel. The gravity chutes too were machined out of stainless steel. The bowl feeders were completed before the committed delivery time and shipped to South Africa.

You can watch the video of the bush feeder.

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