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Elscint Ahead

Components for which systems are available

Feeding In The Latest . . .

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Welcome to the May edition of the Elscint Ahead Newsletter in this hot summer. In this newsletter, thefirst news is about dispatch of a couple of bowl feeders to the European nation of Lithuania while the second one is about another export shipment to Sril Lanka. You can download the pdf version of this newsletter as also the back copies of the Elscint Ahead Newsletter.

Elscint exports a set of Vibratory Bowl Feeders for rollers & U Studs to Europe

Elscint, recently manufactured and exported two vibratory bowl feeders to Europe. It was again for the sister concern of an old customer of Elscint from Norway, who has been purchasing similar bowl feeders from Elscint since 2012 on a regular basis. Now the other company too has started purchasing Elscint feeders regularly. One bowl feeder was for feeding rectangular rollers having diameter 9 mm x 4.5 x 15 mm length. The orientation was lengthwise and flat with a required feed rate of just 60 parts per minute. Elscint achieved a speed of 250+ parts per minute. Proper overflow was provided in the bowl ensuring proper & consistent feeding. The second unit was for feeding of U type studs with orientation of U inverted. The speed required was just 12 to 15 parts per minute. The achieved speed was 100+ parts per minute. In both the cases over flow provision was provided to ensure that the parts do not block the pathway once the outlet is stopped.

The equipment was sent by air freight to the customer's works to reach him much before the committed completion date. You can watch the video of this bowl feeder for the U Studs and that for the rectangular studs.

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Elscint Vibratory Bowl Feeder for feeding Camphor Tablets

Elscint, recently manufactured one more set of vibratory feeding system (one set consisting of two vibratory bowl feeders, one in clockwise and one in anti-clockwise direction) and one linear vibrator) for feeding of camphor tablets. Tablet size was 16 x 16 x 4 mm thick. The 16 x 16 mm tablet was fed in a total of 7 rows (the clockwise bowl feeder was having 4 outlets while the anti-clockwise one had 3 outlets). The requirement was to feed and converge the tablets into a block of 7. This block then went onto a conveyor for further packing. The speed or feed rate required was 120 tablets per minute for the 16 x 16 mm tablets. Elscint achieved a speed of 200 tablets per row per minute for the 16 x 16 mm tablets, which was much above the required speed. The linear track was made of stainless steel and machined on a CNC machine as the accuracy required was very high. The reason being that any mistake in the same would result in the tablets jamming (in case of less width) and toppling (in case of excess width). There being no switch-off, the bowl feeders and linear vibrator had to work continuously, thus requiring proper overflow for all the tracks. Another problem was that along with the tablets, bits and pieces of broken tablets were present. Small holes and cut-outs were provided in the track to ensure that all such broken or half tablets would fall down and separate bins were provided to collect the same.

For easy cleaning of the complete equipment, the bowls were fabricated from stainless steel and even the mounting table was provided with stainless steel cladding. A single control unit with poka-yoke was provided to ensure that the customer's operators do not make any mistake while connecting the same. You can watch the video of this equipment. This was the 20th set which has been manufactured for this particular overseas customer.

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