

○ 11/2015 | ○ November | ○ 2015

▶ FEEDING IN THE LATEST

▶ BOWL FEEDER FOR FEEDING PLASTIC CAPS

▶ FEEDING CHAIN LINKS CURVED

Elscint Ahead



Components for which systems are available

Feeding In The Latest . . .
Monish Shete

Visit Us At- www.elscintautomation.com

First of all wish you and your family a very Happy Diwali and a Prosperous New Year ahead. Hope you enjoy your Diwali break. Coming to this edition of the Elscint Ahead Newsletter, as usual it contains two recently completed applications, one for feeding large plastic caps while the other is about two innovative bowl feeders for feeding of curved chain links. 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 too.

Vibratory Bowl Feeder for feeding large Plastic Caps

[Elscint](#) recently manufactured a bowl feeder for big plastic caps. There were two types of caps, one having diameter 51 mm x 50 mm ht. while the other was having diameter 47 x 33 mm ht. Both the caps need to be fed in open side facing ground orientation at a speed of 120 caps per minute. The scope of supply was a vibratory bowl feeder, gravity chute with auto-switch off mechanism and a single post stand to mount the above. There was a tendency for the top lead of one of the caps of coming out. Hence, Elscint provided an arrangement to remove the caps and leads which were disengaged and a tray with mounting arrangement was provided to collect the same. The dimensions of the caps were such that they would come in axial direction and hence air jets were required for ensuring that they change their orientation. Further, the percentage of wrongly oriented caps was almost 30% and hence, instead of removing them by allowing them to fall back into the bowl, Elscint took them forward in another track and twisted them. Thereafter, they entered into the main track, thus increasing the output and subsequently the required speed was achieved.



Elscint Automation

W-191 Bhosari MIDC
Pune 411 026. India
Tel.: +91-20-27122059 Fax: +91-20-27122994
Email – sales@elscintautomation.com
Website – www.elscintautomation.com

Vibratory Bowl Feeder for feeding curved chain links in 4 outlets

[Elscint](#) recently completed two bowl feeders, one clockwise and one anti-clockwise for feeding of very small curved chain links in 4 outlets each from each of these two bowl feeders at a speed of 180 chain links per minute per row. The chain links were required in same direction for both the bowl feeders. The weight of the chain links, being curved, was on one side and hence getting the required speed was possible in case of one bowl feeder. However, for the other bowl feeder, the weight being on the other side, the speed was much less. Hence, Elscint made a total of 8 rows and converged two rows into a single row, ensuring the required speed was attained. The chain links were having thickness of just 0.6 mm and hence, proper tooling was made to ensure that they do not overlap and jam. Proper overflow arrangement was also provided for both the bowl feeders. . Another requirement of the customer was a 300 mm straight portion at the end of the bowl, attached to the bowl feeder. This too was provided with a top acrylic cover to ensure that there is no jamming.

Elscint used its Model 400 with an outer track bowl. The total diameter of the bowl was around dia 850 mm. As there was a lot of dust present along with the links, provision of dust holes with removal facility too was provided.



Elscint Automation

W-191 Bhosari MIDC
Pune 411 026. India
Tel.: +91-20-27122059 Fax: +91-20-27122994
Email – sales@elscintautomation.com
Website – www.elscintautomation.com