

Elscint Ahead



▶ FEEDING IN THE LATEST



▶ INHALER PUMP FEEDING

▶ CHANGEPART FOR LAMINATE TUBE MAKING M/C

Components for which systems are available

Feeding In The Latest . . . *Monish Shete*

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Welcome to the March edition of the Elscint Ahead Newsletter. With the end of the financial year upon us, everybody in India must be busy and so is Elscint. Coming to this edition of the newsletter, the first news story is about a recent supply of a bowl feeder where the customer was facing a problem with his old bowl feeder and approached Elscint for a solution while the second is a development which can be of use to some special manufacturers, who are facing problems of procuring change parts. As usual you can download the [pdf version](#) of this newsletter as also the back copies of the [Elscint Ahead Newsletter](#).

Inhaler Pump Feeding

[Elscint](#) recently manufactured a Vibratory Bowl Feeder for feeding of inhaler Pumps at a speed of 180 parts per minute. The requirement was to feed the same into the machine already available with a leading pharmaceutical company. The machine manufacturer had supplied a vibratory bowl feeder but as the orientation was done in a wrong manner, the inhaler pumps used to rotate inside the bowl, leading to marks on the cap of the inhaler pump. This was creating a lot of quality issues for the company as the inhaler cap was visible to the customer. Additionally, there were two types of inhalers, one with pump length of 68 mm and another with 85 mm length. Both these were required to be fed in the same bowl feeder without the need for any changeover tooling.



Elscint provided a solution by changing the orientation concept so that the inhaler pumps do not keep rotating inside the bowl and come out quickly. In fact, even the last inhaler pump came out of the bowl. Further, FDA approved food grade Elscinthane coating in white colour was provided on the bowl to ensure that there are no marks on the cap of the inhaler pump. Even the inside parts of the outer track which could touch the cap were coated. The white Elscinthane coating is FDA approved for food purposes making it suitable for this application. As the bowl feeder was to be fixed on the present machine of the pharmaceutical company, (+/-) 50 mm ht. adjustment was provided along with X-Y Adjustment of (+/-) 25 mm, making it very easy to integrate with the present machine.



Elscint Automation

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

Standard Bowl as change part for Laminate Tube making Machine

Elscint has developed a Cast Aluminium bowl which can be used as a change part for laminate tube making Swiss make SAESA machines of AISA. In laminate tube making machines, if the cap which is used in that machine changes, the customer has to approach the machine manufacturer for the change parts consisting of firstly, the bowl and secondly for the chute or gravity track from the bowl to the line. The cost of importing these from the manufacturer in Switzerland is exorbitant and secondly, the delivery time too is very high, at 18 to 20 weeks. Elscint has developed these bowls and chutes for all types of caps including conical caps, used in case of toothpastes as well as shoulders and flip top caps. Elscint also provides the gravity chute or track ahead of the bowl which takes the caps / shoulders from the bowl to the pushing station. Elscint uses a Cast Aluminium bowl coated with Elscinthane PU coating for this application. The reason for this is that the original machine too has Cast Aluminium bowls and using a similar bowl makes the tuning of the vibrator easy. Maintaining the required dimensions too becomes possible. The bowls can be either in clockwise or in anti-clockwise direction, though most machines are having anti-clockwise bowls. Secondly, tracks can be a single one as well as double track as per the existing machine with the customer. Not only do most of the laminate tube manufacturers in India source their change parts from Elscint but also many outside India too have found Elscint change parts very useful and cost effective. Speeds of 180 to 280 caps per minute are achievable in either single or double outlet. Most of the vibrator drives on these machines are of RNA and Elscint bowls fit properly on the mounting. This makes it very easy for the laminate tube manufacturers to change over.

Recently, Elscint supplied 3 such change parts to a company in Lebanon who has been purchasing these change parts from Elscint for the last 15 years. Manufacturers in India have been purchasing these for the last 25 years from Elscint. You can have a look at the video of a [bowl for conical caps](#) as well as [regular caps](#).



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W-191 Bhosari MIDC
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