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▶ ELSCINT FEEDING SYSTEM FOR VALVE SEATS & VALVE GUIDE

Elscint Ahead



Components for which systems are available

Feeding In The Latest . . .
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It's almost mid-July and still there is no sign of the monsoon. In fact, here in Pune, there has been no rains at all uptill now and if this continues then a major drinking water problem is at hand. Coming to this edition of the Elscint Ahead Newsletter, the first story is about a special type of bowl for feeding of sintered parts. The second one is about a recently completed feeding system. Hope to find these useful. 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.

Feeding of Sintered "E" Cores

Feeding of sintered parts presents a very tricky challenge in the case of vibratory feeders. The reason being that these are fragile and even a very small fall from the top of the bowl can break them. Due to this reason, a special type of lining / coating is required if these require to be fed in a bowl feeder. The Elscintane PU coating is most suitable for this application and requires extra thickness. Further the bowl too is required to be designed in such a manner that the possibility of a fall is reduced if not eliminated. If the components do fall during orientation, the fall is contained by specially designed flaps. Such bowls require to be manufactured by a good bowl tooler.



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



Elscint Feeding System for Two Wheeler Valve Seats & Valve Guide

Elscint recently manufactured three bowl feeders for feeding of valve seats and valve guides. There were four valve seats (two per set to be fed simultaneously) and a single valve guide. The requirement was to correctly orient the valve seats. The difference was that the internal diameter had an inside 0.5 mm chamfer. Elscint could orient them as per the customer's requirement even though the difference was so less. Thereafter the valve seats had to be inspected for correct orientation and incorrect component. In case of incorrect valve seat, the same were to be rejected at a separate place and the correct valve seats had to be carried 500 mm further to the pick-up point. Elscint used a three stage cylinder to ensure that this was done smoothly and with the least space as the machine had huge space constraint. Thereafter the valve had to be oriented in a particular manner and taken by a tube to the placement position (two at a time). Elscint used a Model 250 EV bowl feeder for this purpose, getting the valve guides in two rows and singulating two at a time and feeding them in tubes to the required position. There was no space to mount the valve guide bowl feeder and hence Elscint manufactured an aluminium extruded structure which was placed on the base plate of the valve seat bowl feeders.



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