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▶ FEEDING IN THE LATEST

▶ LOW COST COUNTING SOLUTION

▶ FEEDING OF BRASS BUSH



Components for which systems are available

# Elscint Ahead

*Feeding In The Latest . . .*  
*Monish Shete*

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Welcome to the June edition of the Elscint Ahead Newsletter. As usual, two recently completed applications are mentioned in this newsletter. First one is a low cost solution for a small trader while the second is for a large Japanese MNC. In fact, Elscint caters to a wide variety of customers, from Fortune 500 companies to very small ones! You can download the [pdf version](#) of this newsletter as also the back copies of the [Elscint Ahead Newsletter](#).

## Low cost counting solution

Recently a small trader approached [Elscint](#) for manufacturing a vibratory counting system for paper sleeves. The requirement was to count and pack 2000 sleeves in one lot. The customer was a small trader and could not afford costly equipment. Further, he did not have a compressor and hence using pneumatic elements like cylinders as not possible. The daily quantity to be counted was high and mistakes were being made while counting the same manually.

Elscint provided a basic bowl feeder feeding the sleeves and a counting sensor was attached at the end of the gravity chute. After the set number of parts was counted, the bowl feeder was switched off and had to be manually reset. A speed of 200 parts was achieved which was in excess of that required by the customer. The equipment was completed in 2 weeks as per the client's request for an early delivery. [You can watch the video of the counting equipment here.](#)

In fact, with reduction in the counting mistakes, his orders multiplied and he has now ordered one more similar unit, which is in production.

If you have any particular feeding or counting requirement, whatever your budget, do get in touch with us so that we can offer you a solution.



## Elscint Automation

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## Feeding of Brass Bush in two rows

[Elscont](#) recently completed a project where in the requirement was for feeding of small brass bush having diameter 15 mm x 8 mm height in a vibratory bowl feeder in two rows. There was a small chamfer of just 0.6 mm on one side which made the orientation critical. The final output required was rolling in such a way that the chamfer was to be facing each other. In other words, one bush was having chamfer towards bowl centre (outer track) and one facing away from bowl centre (inner track). A gravity chute with a particular centre distance was required to be provided ahead of the bowl feeder. Thereafter, the bushes were to be isolated for easy pick up by the operator. For this, a pneumatic singulator was provided. Once the two bushes were ready, a sensor placed on the top, activated the pneumatic cylinder to push them on one side. Thereafter, once the operator picked up the bushes, the cylinder contracted and next two bushes were kept ready. The pick up was manually by the operator and the speed required was just 5 sets per minute. As against this, the achieved speed was 60 sets per minute through the bowl feeder. The main pain point being suffered by the customer was that the operator would fix the bush in the wrong way. With this bowl feeder, the orientation was taken care of ensuring no mistakes by the operator. The complete unit was placed on a stand with SMC make pneumatics as the customer was a leading Japanese company in North India.

Each of the gravity chutes was provided with a sensor so that in case both the chutes were full, the bowl feeder was switched off. [You can watch the video of the washer bowl feeder.](#)



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