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Components for which systems are available

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Elscint Ahead

Feeding In The Latest . . .
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With the start of the festival season upon us, there is a gloomy atmosphere prevalent due to the depreciating Rupee. In this scenario, both the news stories of this edition relate to equipment recently supplied to the U.S.A., which helped earn valuable foreign exchange for the country. The first is a medical grade bowl feeder while the other is for packing purposes. 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 through Multiple Outlets

Many times multiple outlets are required for a vibratory bowl feeder. It is better from the customer's point of view to have a multiple outlet bowl feeder rather than purchasing multiple bowl feeders. One can have tracks from 2 to even upto 10 or more depending upon the part to be fed, the orientation etc. In fact, [Elscint](#) has developed a novel [vibratory bowl feeder](#), which can feed cylindrical components like needles, rivets, tablets etc. in ten tracks. Due to this, the output, which can be achieved through the bowl feeder can be very high (even upto 300 pieces per minute). In fact, in a recently completed bowl feeder, a speed of 75 parts per minute (oriented) was provided in 8 outlets. Even though the vibrator was a very big one (dia 1200 mm), the noise level was very reasonable (this too can be seen in the video!). It was for a medical grade component and the vibratory feeder was for 110 V / 60 Hz supply as it was for the USA. You can also watch the [video of this equipment](#).



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Elscint Counting & Dispensing Equipment for Ear Plugs

[Elscint](#) recently manufactured a counting & dispensing system for ear plugs. The requirement was to count and dispense 12 ear plugs at a time (12 times a minute). These 12 ear plugs had to be packed in a single box. Presently this was done manually and resulted in mistakes on the part of the operator whereby either short or extra ear plugs were packed. To resolve this problem, Elscint offered a vibratory counting and dispensing system. In this equipment a set number of ear plugs are always dispensed on pressing of a foot switch. Additionally, dispensing can also be activated by sensing the hand of the operator as soon as he puts his hand to collect the ear plugs. This ensures the operator gets the required number of ear plugs for packing. The chances of mistakes by wrong counting of the ear plugs is eliminated as he gets the required number of ear plugs in his hand and further dispensing does not take place unless all these ear plugs are packed. This system is very useful for all such types of packing requirements. The equipment comes along with a stand, dispensing chute with bin, electrical and pneumatic controls. There is an additional sensor on the dispensing chute which switches off the [vibratory bowl feeder](#) when the chute is full. This ensures that in case the operator is not

around or the packing line is not working due to some reason, the operator does not have to switch off the entire system. Once he presses the foot pedal / button / places his hand for collection, the cycle commences once again automatically. Poka yoke too is provided to ensure that even in case where there are less or no ear plugs to dispense, the dispensing does not take place even after pressing the foot pedal / button / hand signal. The number of ear plugs which need to be dispensed in one lot can be changed by the operator, in case the requirement changes in the future. The equipment was manufactured for 110 V / 60 Hz supply as it was exported to the USA. You can watch the [video of this equipment](#).



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