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▶ ELSCINT VIBRATORY BOWL FEEDER FOR FEEDING CONDOMS

# Elscint Ahead



Components for which systems are available



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

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A very happy Dassehra to all the readers of the Elscint Ahead Newsletter. Coming to this edition of the Elscint Ahead Newsletter, the first news is about feeding of flare nuts while the second one is about a recently supplied bowl feeder to South East Asia for feeding of condoms in four outlets. 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 Flare Nuts

Flare Nuts require to be assembled on tubes (for Automotive Braking Systems) which require to be flared on flaring machines. The hex head and the threading size is the same in most of the cases and this makes orientation of the flare nuts rather difficult. However, [Elscint](#) has developed a unique type of bowl wherein flare nuts having head across flat equal to the threading can also be fed in the required direction at a very good speed. For this, either the Elscint [vibratory bowl feeder](#) Model 250 or Model 400 can be used. Feed rates or the speeds that can be achieved can be as high as 100 pieces per minute. In many cases, two flare nuts are required to be engaged onto a single tube. In such a case, Elscint can provide either two bowl feeders to feed the nuts next to each other or else can provide a single bowl feeder with two outlets feeding the nuts in separate orientations i.e. where the hex side is towards the bowl centre and other where the hex side is away from bowl centre.



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## Elscint Vibratory Bowl Feeder for Feeding Condoms

[Elscint](#) recently supplied a special [vibratory bowl feeder](#) for feeding of condoms in 4 rows. The speed or feed rate achieved was 75 condoms per minute per row in 4 rows. Elscint Model 630 is used for this purpose. Further a one meter long four track linear vibrator (Model Elscint IV) was used to convey the condoms forward. The major problem with condoms is that they are rubbery and lubricated, making them slippery. This results in the speed being very less as the friction between the condoms and the bowl track is reduced, which does not allow them to move forward properly. However, [Elscint](#) provided a special type of bowl made of stainless steel for this purpose. Full welding was done at all areas to ensure that there were no crevices for dust accumulation. Another important point is that the mounting of the bowl has to be from outside to ensure that dust does not get accumulated in holes made for the screws required for bowl fixing. Hence, [Elscint](#) ensured the mounting was on the outer side on 12 screws. There being 4 outlets, proper overflow of parts was required and this too was taken care off. The condoms being in various shapes, another possibility is that of overlapping and jamming. However, Elscint has perfected appropriate tooling for this type

of bowl which eliminates this problem totally. Thus the feeding is very smooth without any overlapping or jamming. The fabricated bowl was having a diameter of more than 1300 mm. You can watch the [video of this bowl feeder for feeding of condoms](#).



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