



▶ FEEDING IN THE LATEST



▶ ELSCINT SECURES PATENT



▶ FEEDING OF LONG LENGTH PINS

# Elscint Ahead

Components for which systems are available

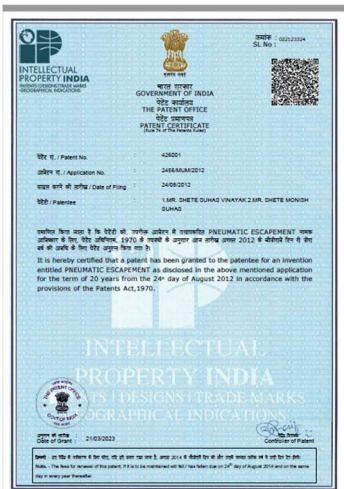
*Feeding In The Latest . . .*  
*Monish Shete*

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Welcome to the first newsletter of this financial year! Recently, Elscint was granted a patent for its “Pneumatic Escapement”, you can read more about this in the first news item. The second one is about a recently completed bowl feeder which fed various types of pins in the same bowl. You can download the [pdf version](#) of this newsletter as also the back copies of the [Elscint Ahead Newsletter](#).

## Elscint secures patent for its Pneumatic Escapement

**Elscint** has secured a patent for its unique Pneumatic Escapement. It is designed in such a way that on receipt of a signal from a relay / sensor or PLC, the escapement is actuated and a single component is released. While releasing one component, the one behind that component is held in place. The best part of the Elscint Pneumatic Escapement is that it works on just one pneumatic cylinder as against two pneumatic cylinders which most manufacturers offer. This results not only in saving the running cost but also the initial cost. The pneumatic escapement is optionally provided with Elscint vibratory bowl feeders. However, Elscint can also sell only the pneumatic escapements which customers can integrate at their end. The full complete system comes with a SMC / FESTO make Cylinder (other makes are also available), a F/R/L unit and solenoid valve. Additionally, Elscint can provide all the electrical inputs and other circuitry so that using it becomes very hassle free and easy for the customer. Elscint has got two models of the pneumatic escapement and depending upon the component dimensions, the correct type of escapement can be recommended. Due to the very high popularity of this concept, the pneumatic escapement is kept in stock and can be provided immediately at a very competitive price. This and other feeding accessories which Elscint can offer make us the preferred choice of most machine builders.



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## Vibratory bowl feeder for long length pins bowl feeder

[Elscint](#) recently supplied a vibratory bowl feeder for feeding of various sizes of pins having diameter 2 mm to dia 6 mm. The length ranged from 20 mm to 120 mm. The requirement was to feed all the pins in a same bowl feeder with least amount of changeover tooling. Further, the speed required was 6 mtrs per minute. A Model 400 cast aluminium bowl was used for this application while the orientation mechanism and the outlet tracks were manufactured to accommodate all the above sizes. Further the outlet tube needed to be changed as per the diameter. The changeover was made very easy with key slots provided for easy changeover. The output was then taken onto the present conveyor of the customer. It is always difficult to feed parts with smaller diameter and larger length as they tend to double / overlap. A speed of 300 parts per minute was achieved for the 20 mm length pin while a speed of 60 parts per minute was achieved for the 100 mm length pins. As bowl was made in cast aluminium, it was completely coated to ensure easy movement of the parts in the bowl. [You can watch the video of the small pin](#) and the [video of the bigger size](#)



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