

○ 08/2014 | ○ August | ○ 2014

▶ FEEDING IN THE LATEST

▶ FEEDING OF SMALL RIVETS IN TWO ROWS

▶ ELSCINT DOUBLE OUTLET FEEDING, ORIENTATION & ELEVATING PUMP UNIT

Elscint Ahead



Components for which systems are available

Feeding In The Latest . . .
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Finally the monsoon is here and the rainfall deficit has narrowed down while the economy too seems to be picking up. "Aache Din" seems to be here after all! The Coming to this edition of the Elscint Ahead Newsletter, the first story is about a special type of bowl for feeding of small rivets in two rows. The second one is about a specialized equipment for the taper roller bearing industry. Hope to find these interesting. 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.

Vibratory Bowl feeder for feeding of small rivets in two rows

[Elscint](#) recently manufactured a vibratory bowl feeder where very small rivets were required in two rows in head up orientation. The usual tendency of such rivets is to come in head down orientation. Hence, Elscint first ensured head down orientation and then used a sector type track to turn them upside down, ensuring that the final orientation of head up was achieved. Further, as there were two outlets, proper overflow was needed to be ensured on each of the outlets. Elscint manufactured a double start bowl which was completely machined. The sector and linear track too was machined with high accuracy and a polycarbonate see through cover was provided for the linear track. Speed of 100 rivets per minute per row was achieved which was more than the requirement of the customer.



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Elscent Double Outlet Roller Feeding, Orientation & Elevating Pump Unit

Elscent Double Outlet Taper Roller, Feeding, Orientation and Elevating Pump Unit is a system designed for Feeding and Orienting Taper Rollers for Taper Roller Bearings. This system utilizes a Model 400 or Model 630 bowl feeder. The Taper Rollers are fed through the Bowl Feeder in two outlets to two sets of Elscent Motorized Gauge Rolls. The inclination of the rolls, plus adjustable roll spacing from one end to the other enables parts to move / travel easily and rapidly into the desired position. An important feature is that the rolls being counter-rotating do not bind or grip the parts and are extremely sensitive to fine tolerances. The rolls are driven by an Elscent Single Reduction Geared Motor Model DM 38. The Taper Rollers are then fed into two separate pump units driven by a suitable Elscent Single Reduction Geared Motor Model DM 52 (the pump unit then elevates the rollers to the desired height from where they can be fed by gravity to the work station where they are needed. The biggest advantage is that the output is not only doubled with the help of two outlets but the need of two full systems is eliminated. Single outlet too can be offered (as shown in the photo).



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