

○ 07/2015 | ○ July | ○ 2015

▶ FEEDING IN THE LATEST

▶ ELSCINT COMPLETES 8 BOWL FEEDER ORDER

▶ ELSCINT SUPPLIES AUTO FEEDING SYSTEMS TO CENTRELESS GRINDING MACHINE MANUFACTURER

Elscint Ahead



Components for which systems are available



Feeding In The Latest . . .
Monish Shete

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Welcome to the July edition of the Elscint Ahead Newsletter, the first news is about a recently completed order while the while the second one is about another supply to a centerless grinding machine manufacturer. 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.

Elscint completes 8 bowl feeder order for a machine Builder

[Elscint](#) recently completed an eight vibratory bowl feeder order from a reputed machine builder based in Mumbai. The machine builder was building a machine to assembly 12 parts of a faucet. All the parts were of plastic and of various shapes and sizes. Top cap and certain other parts were easy to orient but some like the “main body” and “nozzle” were most difficult as there was no way to hold the same. Further, along with each bowl feeder, a linear track of suitable length was supplied with auto-switch off mechanism and mounting arrangement. The customer was mounting all the bowl feeders on his machine and hence each one was supplied on a base plate. A non-vibrating portion at the end of the linear track was provided for each unit to ensure that the customer’s pick and place mechanism could pick up the same easily without any accompanied vibrations. For ease of the customer, [Elscint](#) supplied 5 systems within 6 weeks of the order and balance after 12 weeks when rest of the assembly machine of the customer was ready.



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Elscint provides Auto Loading Feeding Systems for longer length shafts for a reputed Centreless Grinding Machine Manufacturer

[Elscint](#) recently provided auto loading feeding systems to a reputed centerless grinding machine manufacturer for feeding of long length shafts for centreless grinding machines. The length of the shafts was between 95 mm to 120 mm but one side of the shaft was having a small chamfer which required orientation. As this orientation was not possible in a vibratory bowl feeder, Elscint recommended an Auto Loading Feeding System. The diameter of the shaft was between 8 mm to 12 mm. The equipment consisted of a pneumatic lifter unit and a belt conveyor for further feeding of the shafts to the grinding machine. The shafts had to be aligned and kept on an inclined table, from where a pneumatic cylinder singled them out and fed the shafts to a belt conveyor which further fed them to the centreless grinding machine. Proper synchronizing sensors ensured that the equipment worked without any manual intervention. Options provided included an X-Y adjustment of (+/-) 50 mm on either side, which is especially useful after wheel dressing. Height adjustment of (+/-) 50 mm too was provided to ensure that the feeding system was compatible for shafts of various diameters.

The conveyor speed was kept variable by providing a suitable VFD drive. Elscint supplied two similar systems to the Grinding Machine Manufacturer and even commissioned the systems by integrating the same with their machine at the works of the manufacturer proving the same in front of the end customer. You can watch the [video of the Auto-Loading System for longer length shafts for Centreless Grinding Machines.](#)



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