



▶ FEEDING IN THE LATEST

▶ ROTARY / CENTRIFUGAL FEEDER VIDEO

▶ VIBRATOR / CONTROLLERS ELECTRICAL PANELS



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 new story is about a recently commissioned video showcasing Rotary / Centrifugal Feeders while the second is information about control panels manufactured by Elscint. Coming to this edition of the newsletter, you can download the [pdf version](#) as also the the back copies of the [Elscint Ahead Newsletter](#).

### **Elscint launches new Rotary / Centrifugal Feeder video**

[Elscint](#) has launched a [new video](#) showcasing its Rotary / Centrifugal Feeders. The video contains footage of a total of 4 different Rotary / Centrifugal feeders. The first one is of a large double disc centrifugal feeder feeding sponge scrubbers. This comes along with a gravity chute and a 150 ltr. Vertical hopper elevator as well as a bulk loading conveyor before the elevator. The total foot print came to 8 Mtrs x 2.5 Mtrs. This ensured a total of 10000+ parts loading. With the speed of operation being 200 scrubbers per minute, that was required. The second video is of feeding of shafts having size dia 20 mm x length 120 mm. The customer chose a centrifugal feeder as he was worried about damage to the component in a vibratory feeder. With proper precaution provided in the centrifugal feeder, there was no damage to the parts. This too was provided along with a hopper for extra loading capacity. Though speed achieved was very high, the requirement of the customer was just 20 parts per minute. The third video is of feeding of flat plastic drippers in a particular orientation. The speed in this case is 2000 drippers per minute. As with the earlier ones, this one too comes along with a 50 Ltr. Hopper. These two are single disc feeders with a disc size of dia 800 mm. The last one is again of a large (dia 1800 mm) double disc rotary feeder for bearing components with orientation. [You can watch this video in detail.](#)



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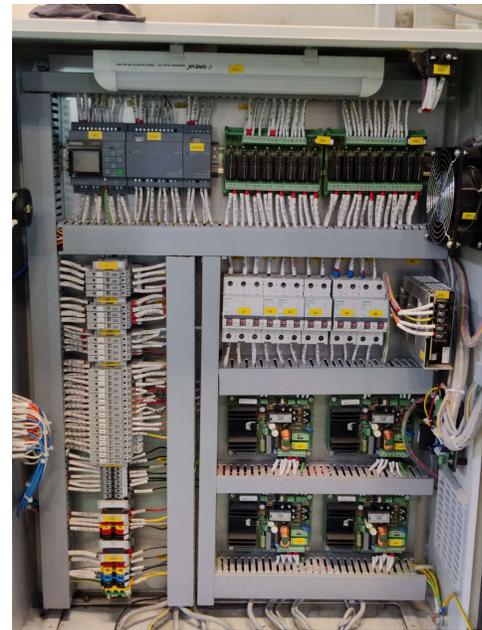
## Electrical Panels & Controllers for Vibratory Bowl Feeders

Every equipment requires an electrical panel, that is also true for feeding systems like vibratory bowl feeders, centrifugal feeders as well as special purpose machines. If you order only a vibratory bowl feeder, you will usually only get a standard controller which can vary the speed of the vibratory feeder with the help of a potentiometer. An example of this type of controller is Model EP5V (6 Amps rating) and Model EP4V (3 Amps rating). In fact, these are suitable for Linear vibrators where the requirement of switching on / off does not arise as it works continuously.

Higher end controllers can have a provision for soft / fast ramp as well as provision to take zero potentiometer free contact to switch off the vibrator. Model E5FC is an example of this. It is very stable controller of European make, which has a potentiometer and comes either as a PCB for mounting in the customer panel or else in a box.

Elscont also offers digital controllers, namely, ED5V (6 Amps) and ED10V (10 Amps). These have a lot of features, which include taking feedback from a sensor to switch on / off the bowl feeder as well as to start / stop based on a zero potentiometer free contact, all these with ON / OFF delay timings. Additionally, these controllers can also have provision give a 24V DC output signal when the sensor gives it a signal. This is useful in case air is used in a bowl feeder and needs to be switched off through a pneumatic valve when the bowl feeder is not running. In fact, for these controllers, even two sensor signals can be used (this is useful in case the bowl feeder has two tracks).

Similarly, many times it is imperative to provide a complete electrical panel with PLC with the feeding system as it might have a lot of sensors as well as other items like solenoid valves etc for operating cylinders. In such cases, it is necessary to provide proper control panel with wiring. The electrical panel should be such that there is proper numbering and traceability. Elscint can provide all these. Have a look at photo of a small electrical panel with PLC.



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