



Components for which systems are available

▶ FEEDING IN THE LATEST

▶ ELSCINT OFFERS BOWL COATING SERVICES

▶ ELSCINT DIGITAL FREQUENCY CONTROLLER MODEL ELSCINT FQ1

Elsclnt Ahead



Feeding In The Latest ...
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Good Morning!

As we come towards the end of the festive season as well as this year, the atmosphere is mostly subdued, what with the Mumbai terror attacks and the stories about recession being felt all over the world! However, it's important to realize that this is an aberration, maybe a once in a lifetime / century happening which will soon pass. Governments all over the world are working towards easing these problems and let's hope they do something right. Coming to this edition of Elscint Ahead, I am glad to inform you that Elscint has started offering bowl coating services, read about this in the first news story and if you have any bowls for coating, do get in touch with us. The second part of the Newsletter is about the Elscint FQ1 frequency controller. This is a very versatile controller and can help you 'highly improve' the performance of your old vibratory feeders!

Elsclnt offers bowl coating services

Elsclnt started offering bowl coating services for feeder bowls of all makes! Earlier Elscint was providing bowl coating only on its own bowls. The Elscintane bowl coating is a sprayable polyurethane lining for feeder bowls. Named Elscintane, it has got a lot of utility. Firstly, in case of metallic components, the noise level can be drastically reduced by eliminating the metal to metal contact. Another major problem faced by customers is of feeding oily components. Oily components reduce / eliminate the friction between the components and the bowl track. As vibrators work on the principle of friction, these results in the components slipping and hence they are not able to feed properly. While providing the bowl lining, Elscint takes this into account and can provide a rough texture on the bowl coating. This results in proper friction between the components and the bowl, thus resulting in smooth flow of the components. The Elscintane linings can thus be given either a smooth finish or a rough finish depending upon the end requirement of the customers feeding application. The Elscintane bowl linings are offered in various thicknesses ranging from 0.40 mm to even upto 2 mm and above.



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The Elscintane linings are available in green & red colour and look very good aesthetically. There are two types of coatings available, with different shore hardness of 85 and 95. Depending upon the parts to be used, Elscint can recommend the correct type of coating to be used. The coating can be used either with stainless steel, mild steel and even cast aluminium bowls. This lining is available at a very competitive price and at a very low lead time.



Elscint Digital Frequency Controller Model Elscint FQ1

Elscint FQ1_DIG is a digital frequency controller which optimizes the operations of vibratory feeders by varying the frequency and the vibration amplitude, with or even without using an amplitude sensor. Furthermore, the possibility of adjusting the frequency allows for compensation of the slipping phenomenon which happens due to the variation of the systems mechanical characteristics, attributable to different materials or temperatures, in order to obtain the best performance in every situation. In addition to this, there is a built in relay for the vibrator ON status which is able to control an overfull sensor PNP and other PNP sensor with a (0-20) second delay.

The versatility of the Elscint_FQ1_DIG makes it very suitable in any application, where the dimensions and weights of the parts handled are subject to frequent changes.

The regulation circuits are galvanically insulated from the power source and hence

the controller is able to deliver a tension of 200 V at a maximum current of 6 or 10 Amps (rms) and a ramp start up (soft start function) and is provided with a very user friendly menu.

The regulation system is based on a microprocessor and allows a wide linear control range. The system can also operate with a SIND3 amplitude sensor for compensating the vibrator's load changes (change in the number of components in the bowl feeder) or supply voltage. The control menu is very easy to operate and even a layman can program / operate this controller.

The frequency regulation is within a range of 5 Hz to 140 Hz (within a range of 0 to 1 Hz).

The Elscint FQ1_DIG comes in a very compact size of 200 mm x 240 mm x 100 mm and has its own box with display panel.

This controller is extremely useful when there is a frequent change between genset and the electricity received from the utility. For old vibrators, which are giving problems of speed, this controller can help them achieve higher speeds. Plus as the controller can be programmed to work at the optimum frequency of the vibrator, it can be used for achieving very high speeds in case of special applications.



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