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▶ FEEDING IN THE LATEST

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▶ HIGH SPEED ROTARY / CENTRIFUGAL FEEDER

Components for which systems are available

Elscent Ahead

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Feeding In The Latest . . .

Monish Shete

This edition of the Elscint Ahead newsletter contains two news items, the first being a green initiative by Elscint and the second a recently completed project for high speed feeding through a Rotary / Centrifugal Feeder. As usual, you can write to us with your feedback and also download the back copies of the [Elscent Ahead Newsletter](#) and the [pdf version](#) of this newsletter.

Elscent launches Green Initiative



Elscent recently carried out a green initiative by starting solar power generation for its in house needs. Elscint has set up a 15 KVA solar power plant on its premises which take care of 80% of its power requirements. Excess power generated, if any, is transferred to the electricity grid. Solar energy is, simply, energy provided by the sun. This energy is in the form of solar radiation, which makes the production of solar electricity possible.

Electricity can be produced directly from photovoltaic, PV, cells. (Photovoltaic literally means “light” and “electric.”) These cells are made from materials which exhibit the “photovoltaic effect” i.e. when sunshine hits the PV cell, the photons of light excite the electrons in the cell and cause them to flow, generating electricity. In use, solar energy produces no emissions. One megawatt hour of solar electricity offsets about 0.75 to 1 tonne of CO₂.

Solar energy is not only sustainable, it is renewable and this means that we will never run out of it. It is about as natural a source of power as it is possible to generate electricity. The creation of solar energy requires little maintenance. Once the solar panels have been installed and are working at maximum efficiency there is only a small amount of maintenance required each year to ensure they are in working order.

They are a silent producer of energy. There is absolutely no noise made from photovoltaic panels as they convert sunlight into usable electricity. During operation solar electricity power plants produce zero emissions.

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Elscint Rotary / Centrifugal Feeder for Battery Parts

[Elscint](#) recently manufactured a rotary / centrifugal feeder for feeding of assembled battery caps having diameter 15 mm x 6 mm ht. The requirement was to feed the same at a very high speed with the metal part up. Unassembled parts too were to be removed as there were chances of mix up.

The Elscint Rotary / Centrifugal Feeders have a very unique design which is rugged and highly robust for feeding of parts which require high speed feeding. The build quality too is excellent with all the components touching parts being made in stainless steel. Elscint uses a dual drive for its Rotary Feeders. Three Phase AC Geared Motors of Elscint Make are used for this purpose. Standard units come with a Variable Frequency Drive so that variable speed can be offered, which helps adjust the feeding speed according to the actual requirement of the user.

Accordingly, Elscint used its dual drive Rotary Feeder with a stand and enclosure for the same. The top cover of the enclosure was of polycarbonate sheet. As the number of parts dumped in the rotary feeder is less vis a vis the speed at which it operates, Elscint provided a 50 ltr. hopper feeder for the same. A level controller was provided to ensure a start / stop arrangement, so that the number of parts in the rotary feeder is the same at all times. This results in a better flow and operation of the rotary feeder.

The rotary feeder as well as the hopper was mounted on a square tube stand. Proper arrangement was provided to segregate the unassembled parts as well as the ones which were not properly assembled.

The customer's requirement was for as high speed as possible. Elscint could achieve a speed of 800 to 1000 parts per minute in the rotary feeder. You can watch the vibratory of the Elscint [Rotary Feeder](#).



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