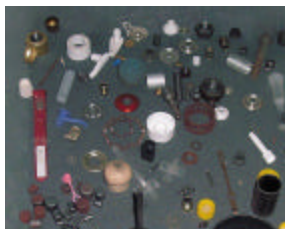




▶ FEEDING IN THE LATEST



▶ ELSCINT TO TAKE PART IN IMTEX '09

Components for which systems are available

▶ ELSCINT HEAVY DUTY STACKING MACHINE

Elsclint Ahead



Feeding In The Latest . . .
Monish Shete

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Good Morning!

First of all, wish you a very happy and prosperous new year 2009! In fact, a year back, if anybody had mentioned the dreaded R word, people would have laughed at him, however, as things stand, the R word is everywhere and on everybody's lips. It's pretty amazing to note that many companies have curtailed all types of expenditures. However, a downturn is the right time to invest in equipment and process and to automate your plants so that one is ready with the uptrend comes! Elscint will be taking part in IMTEX, '09 being organized at the BIEC, Bangalore. Our Stall is B 107 in Hall No. 3C. In case you are visiting, do drop in for a chat as I will be personally available at the stall from 22nd till 27th Jan., 2009.

Coming to this edition of Elscint Ahead, the first news is about Elscint's participation in IMTEX while the second one is about a new product developed, the Heavy Duty Stacking Machine. I hope you find this edition of the Elscint Ahead

Elscint to take part in IMTEX '09

Elscint will be taking part in the IMTEX, 2009 exhibition being held by the Indian Machine Tool Manufacturers Association (IMTMA) at the Bangalore International Exhibition Centre (BIEC), Bangaluru from the 22nd to 28th January, 2009. The various products of Elscint Automation, namely, Elscint Vibratory Bowl Feeders, Linear Vibrators, Rotary Feeders, Small Parts Conveyor Feeders, Gear Boxes and Geared Motors will be displayed in its Stall # B107 in Hall # 3C. A major highlight will be that senior Sales Application Engineers from Elscint Automation will be available for interaction and discussions regarding the part feeding needs of its customers during the period of the exhibition. Customers are requested to take full advantage of this opportunity and come along with their Sample Components and feeding details for discussion with the Elscint Sales Application Engineers at the stall.



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Elscint Heavy Duty Stacking Machine

cages are again got down by gravity on a fixed plate. The bearing cages are orientated while moving down and are dropped onto metal magazines (numbering nine). The orientation is done in such a way that one stack is of correct side up component while the next stack is of correct side down components. This way, all the components which are taken up are oriented and stacked, thus improving the speed of the complete machine.

Elscint has developed a very innovative machine called the Elscint Heavy Duty Stacking Machine. This Machine is useful for stacking items like Bearings Cages and such other components which need to be orientated & stacked. Components having a hole in between can be stacked with Elscint Stacking Machine. This can find applications in the Bearing, Battery and such allied Industries. The machine consists of a hopper feeder having capacity of 50 litres / 130 Ltrs, a vibratory bowl feeder, chain elevator and pneumatic indexing table.

The bearing cages are loaded in the hopper, below which an Elscint linear vibrator is mounted. There is a level controller placed in the vibratory bowl feeder which actuates the linear vibrator once the level of components in the feeder bowl goes down. This results in the hopper feeding more components into the bowl feeder. The vibratory bowl feeder is used only to circulate the bearing cages. There is a slight slit in the bowl feeder from where the chain elevator picks up the bearing cages and takes them upto a height of 2 metres. Then the bearing

The Metal magazines are mounted on a Festo make Indexing Table. A Sensor with a time delay facility is mounted to sense the component level on the metal magazine. When the components are filled upto the level of the sensor, the chain elevator is switched off and pneumatic solenoid is operated and the indexing table moves to the next stage, bringing the empty magazines at the loading stations. At this point the Elscint chain elevator starts again and the stacking operation continues.

In case the components cannot be stacked properly due to their in built dimension, an Elscint Agitator Vibrator can be provided at the lower level, having an angular holder where the Components will be resting while being stacked. This Elscint Agitator Vibrator is timed to start and stop, which imparts the vibration to the stacked components. Due to these vibrations the components, which are not stacked properly, are given rotary movement get properly stacked.

This system uses Elscint Vibratory Feeder Model 250 or 400, Elscint Linear Feeder Model I or II, Elscint Hopper Feeder, Elscint Indexing Table and Elscint Agitator Vibrator. The models are determined based on the component size and speed requirement. Such other custom built Automation Systems can also be manufactured according to user requirements using the above Elscint Products.



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