Components for which systems are available

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- FEEDING IN THE LATEST
- ORIENTING, FEEDING & BLOW FEED OF SHOE HOLDER PIN
- EXPORT OF MEDICAL GRADE FEEDING SYSTEM TO FRANCE

Elscint Ahead

Feeding In The Latest . . .

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This edition of Elscint Ahead Newsletter, as usual contains two recently completed applications, one for feeding of Shoe Holder Pin while the second one about a recently supplied medical grade feeding system to France. Hope you find these interesting. 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.

Orienting, Feeding & Blow Feed of Shoe Holder Pin

Elscint recently supplied a vibratory bowl feeder for feeding of Shoe Holder Pin in two outlets. The pins were having dia 8 mm one side and dia 4 mm on the other side with the middle pin being dia 2 mm. The length of the pin was 30 mm. The requirement was to blow feed the pin with the bigger diameter forward in two outlets. Elscint used Model 250 with cast aluminium bowl having two outlets for this purpose. The bowl ws coated with Elscinthane PU Coating. The pins were then oriented with the bigger diameter side on top and taken forward onto a linear vibrator, namely Model Elscint III. Thereafter, a fixture was designed to push the two pins with a single cylinder by 20 mm on one side and the pins were then blown up with air jets into flexible tubes to be used by the customer at two separate places. Elscint provided a complete solution with pneumatics and other elements so that the customer could give just a 24 V DC signal to activate the blow feed.

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Elscint supplies Medical Grade Feeding System to France

Elscint recently manufactured exported a feeding system for a medical application to France. There were two components to be fed in the same bowl feeder, namely, Protecteur and Protecteur Long. Elscint manufactured tooling in such a way that there was no changeover at all. Both the components could be interchanged without any changeover. The application being a medical one, was that all the parts were to be made in stainless steel. Hence, the hopper too was to be made of stainless steel along with the mounting brackets, which were made from stainless steel square tubes. There was a noise enclosure, which too was made in stainless steel with medical grade acoustic foam inside. A Level controller was added to ensure activation of the hopper. The noise enclosure was provided with a polycarbonate cover. The hopper too was provided with a similar cover. The mounting plate was of stainless steel. A linear vibrator was provided ahead of the bowl feeder with a pneumatic singulator at the end. The singulator ensured a single component was singled out for pick up. SMC make pneumatics, including valve, F/R/L & cylinders were used. All the parts of the singulator too were made in stainless steel.

Further, for the hopper, bowl feeder and linear vibrator, a single, multiple duty, electronic controller, namely, EMCP12 was used. EMCP12 is a digital controller with the provision for programming as well as air blow settings. The complete equipment was packed and dispatched by air freight to the customer in France. You can watch the video of the equipment.

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