



More capacity and higher quality for demanding surfaces

A manufacturer of retail furnishing systems optimized its surface finishing with an automatic powdercoating system

As the Indian economy grows, so does retailing. New stores with modern equipment are cropping up. A wide range of products are put into display cases and elegant shelving systems. A company by the name of Electrospark located in Gurgaon in the Indian state of Haryana, specialized in the manufacture of such systems, has automated the surface finishing with a new powder-coating system.

Along with the booming economy in India, thousands of new shopping centers with millions of square meters of sales floor space are being built. Electrospark is specialized in the furnishing of this floor space with shelves, cabinets and display cases. The products are manufactured in Gurgaon the state of Haryana and finished with a robust and aesthetic pleasing surface. Several years ago, Electrospark decided to focus on the use of electrostatic powder coatings. In the past, six manual-coating stations were set up for this purpose. With growing demand,

capacity had to be adapted. Since 2010, a new quick color change system from Gema is in operation. The system's productivity has exceeded all of Electrospark's expectations.

The most important requirement on the new system was the increase in capacity. Today more than 2500 m² per shift are coated which is a 40% capacity increase in comparison to the old system, and the systems are operated as required in single or double shifts.



Some 5 tons of epoxy/polyester powder are processed each month at Electrospark. This powder can be better utilized with the new system, and powder loss has been significantly reduced. That can be traced to the precise powder gun controls. They ensure that the powder is applied exactly where it is needed. On the other hand, the powder recovery system is designed such that losses are minimised extraction. The suction in the system ensures that no powder escapes during the coating process. Overspray is recovered

and returned to the powder container through a preparation system with a monoclone and after filter. This leads to a system having an excellent level of efficiency and optimal usage of powder.

Store furnishings must not only be practical and robust, they must also have an attractive surface to enhance the presentation of products. This is where the proven electrostatics from Gema come into play. Guns with an excellent transfer efficiency achieve an optimal, precise controlled application of powder. It achieves a surface quality that meets even the highest aesthetic requirements.

Electrospark is very pleased with its new system. The Gema color change system not only supplies the desired increase in capacity but also perfectly coated surfaces.

SYSTEM DATA

- 1 Magic Plus Quick Color Change System
- 1 control cabinet with coating guns and axis controls
- 12 automatic powder guns
- 2 hand guns
- 2 reciprocators
- 1 central powder supply
- 1 system control unit

Gema Switzerland GmbH

Mövenstrasse 17 | 9015 St.Gallen | Switzerland

T +41 71 313 83 00 | F +41 71 313 83 83

www.gemapowdercoating.com

