

Application Success Stories

Production of metal handles



Improved application

Quality

Powder saving

Application Success Stories

Installation Key Data

Parts: Metal handles

Parts size: H 1'500 mm
W 100 mm

Conveyor speed: 3,7 m/min

Scope of delivery:

- 1x MagicCompact® EquiFlow® BA04 Booth
- 1x Cyclone with high-efficiency, recovery powder over 95%
- 1x Cartridge Filter for 20'000 m³/h
- 1x MagicControl 4.0 + Integrated system "Industry 4.0"
- 2x Reciprocator ZA07-23
- 1x OptiCenter® OC07 – dense phase pump technology:
 - 16 x OptiGun® GA03P Automatic guns
 - 16 x OptiStar® 4.0 Control for guns
 - 16 x OptiSpray® AP01.1 SIT pumps



Application Success Stories

Layout



Application Success Stories



Oskar Marcegaglia develops and produces tubular steel components for many industries, such as household cleaning items, painting and DIY rollers, furniture and gardening.

The sales and production site in Mezzolara di Budrio (Bologna) maintains customer relations throughout the world and distributes products in Europe, Asia, the Americas and the Mediterranean area.

Thanks to the experience in the processing of welded tubes with low thickness, made from raw, cold and hard laminated strips with in-line cutting, Oskar Marcegaglia has established partnerships with the main companies in each sector, studying and implementing the most efficient solutions for their production process: starting from the



beginning to the finished product.

The production of tubes for special applications is an integral part of the Marcegaglia steel production chain. The quality of the raw material and all intermediate steps up to the ready-to-use product is guaranteed and controlled.

Oskar Srl decided to replace the old application system with a new one, switching from an old venturi technology to the Gema booths system containing state-of-the-art equipment and the OptiSpray AP01.1 application pumps with Smart Inline Technology (SIT).

The MagicCompact EquiFlow booth makes it possible to keep the booth floor clean at all times and avoiding powder accumulation. In



combination with the OptiCenter OC07 quick color changes are guaranteed and powder saving are improved.

This project has been developed in line with the new Industry 4.0 regulation and uses the MagicControl 4.0 to control the entire system. The goals of the installation were: improved coating quality and increased powder savings. Goals were achieved, even considering that the coating process takes place 24 hours a day, 7 days a week – always in operation.