

Application Success Stories

Industrial Components Production



Improved application

Higher Quality

Powder Saving

Application Success Stories

Installation Key Data

Parts: Industrial Components Production

Pieces dimensions: H 1'800 mm
W 1'300 mm

Conveyor speed: 1,5 m/min

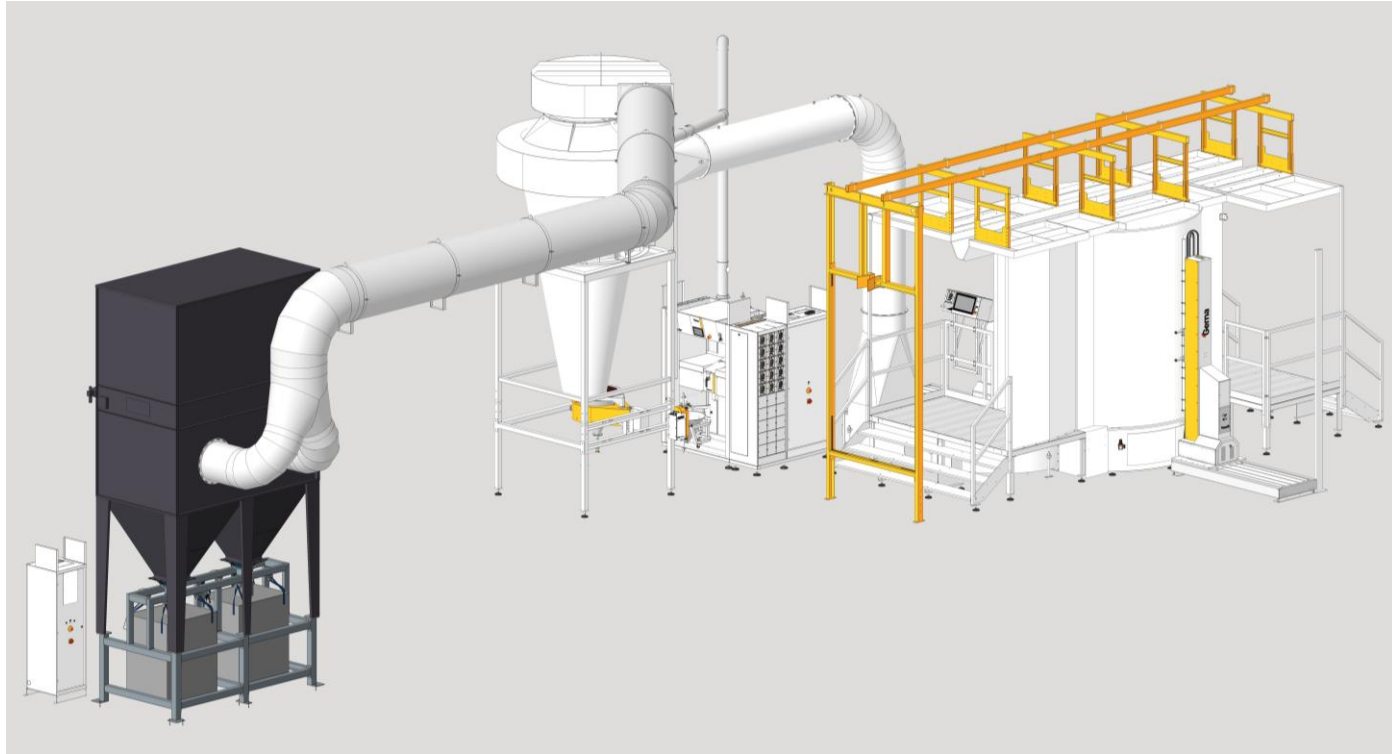
Scope of supply :

- 1 x MagicCylinder® EquiFlow® booth
- 1 x Cyclone with high-efficiency, powder recovery 90-95%
- 1 x Cartridge Filter for 24'000 Nm³/h
- 1 x MagicControl 4.0 + integrated system "Industry 4.0"
- 2 x Reciprocator ZS05-30 with ZA17-15
- 4 x Scanner laser 3D
- 2 x Reciprocator ZA16-28
- 20 x Automatic gun positioner, model UA05
- 1 x OptiCenter® All-in-One OC011
- 20 x Automatic guns - OptiGun® GA04P
- 20 x Control for guns - OptiStar All-in-One CG26-CP
- 2 x OptiSelect® Pro GM04 manual guns
- 2 x Control for manual guns - OptiStar 4.0 CG24-CP
- 2 x OptiSpray AP02 pumps



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Layout



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TR Industrial was founded in 1991 and is a company based in Abruzzo that specializes in the manufacture of metal and plastic components for major national and international companies. With over 30 years experience in mechanical engineering, the company works with market leaders in the automotive-, furniture-, design-, mechanical engineering-, forklift-, earth-moving machinery- and other sectors. In-house production processes include design, industrialization, molding, casting, die-casting, machining and surface treatments. It is precisely for this reason that the new powder coating booth system, designed for rapid color changes, was equipped with the



innovative **OptiCenter All -In-One OC11**, the first powder center that enables super-fast color changes thanks to two independent hoppers or allows the simultaneous use of both hoppers to apply fresh powder and reclaimed powder, whilst allowing which guns to use for applying the different powder types. The system is, of course, equipped with dense-phase pump technology using the new **OptiSpray AP02 All-in-one** pumps combined with the '**Scan & Spray**' part scanning system for **Dynamic Contour Detection**. The objectives of the installation were quite clear: to improve the coating, the quality, saving powder and reducing manual touch-



ups. After a few weeks of work a substantial difference in application was immediately noticed. Particularly in terms of processing speed. The biggest advantage, however, was the significant reduction in manual rework, which has been virtually eliminated for many products.