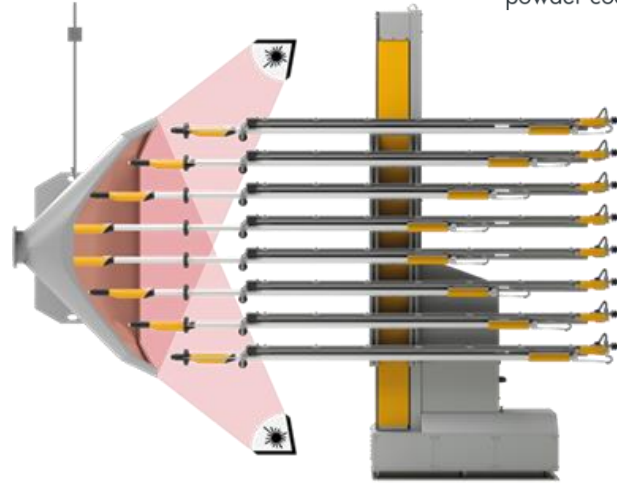


# Application Success Stories

## Dynamic Contour Detection 2<sup>nd</sup> Generation

**PRO/MET**  
powder coating | sandblast technology



Quality increase  
Best finishing

Better penetration into  
cavities and edges

Reduced manual  
retouching

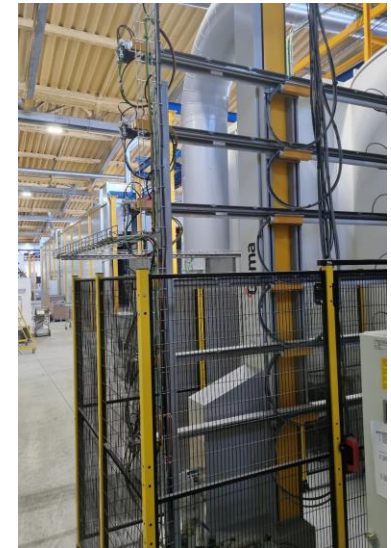
# Application Success Stories

## Installation Key Data

**Objects:** Jobcoater  
**Parts Size:** H 2.500 mm  
W 1.000 mm  
**Conveyor speed:** 1,5 m/min

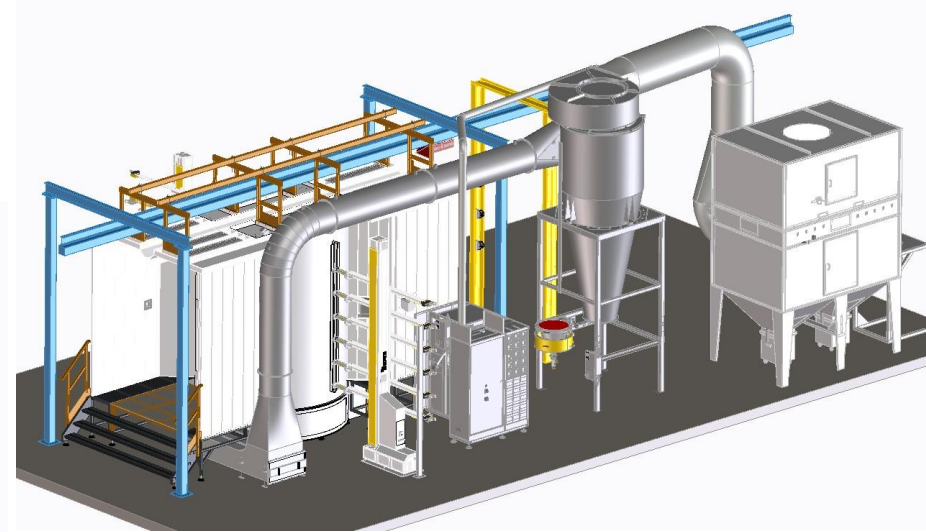
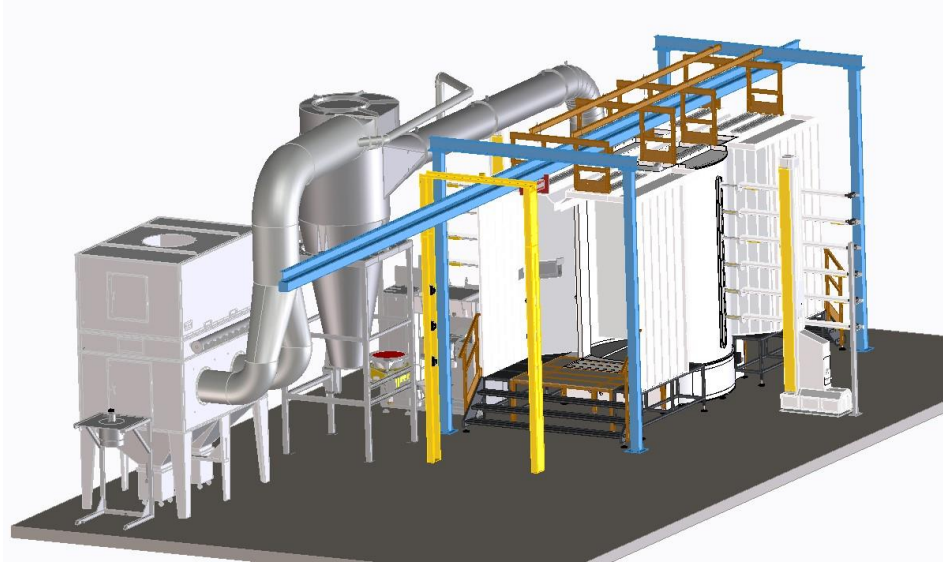
### **Scope of delivery:**

- 1 x MagicCylinder® EquiFlow® QCS04 booth
- 1 x Cyclone with high-efficiency powder recovery
- 1 x Cartridge Filter for 24.000 m<sup>3</sup>/h
- 1 x MagicControl 4.0 + Integrated system "Industry 4.0"
- 1 x Contour Detection System, with: 4 x scanner, 2 x Reciprocator ZA16-23 + 12 x gun axis UA05
- 1 x OptiCenter® OC07 with Smart Inline Technology:
  - 10 x Automatic guns - OptiGun® GA03P
  - 04 x Manual guns - OptiSelect® Pro GM04
  - 14 x Control for guns - OptiStar 4.0 CG24-CP
  - 14 x application pumps OptiSpray AP01.1
  - 01 x Ultrasonic Sieve US07



# Application Success Stories

## Layout



# Application Success Stories

**PROMET** is a young industrial leader in the field of coating.

Born from the need of two companies (Pro Light and Uni Met) to have a paint shop nearby, Promet has become a benchmark in its territory and for the Austrian border companies.

In order to guarantee a high level of service for any type of product, Promet decided to invest in **Gema's 2<sup>nd</sup> generation of Dynamic Contour Detection**. After the first month of use they were able to realize the increase in productivity. For some products (cabinets for electric car charging) they were able to double the production capacity.

The installed booth is a simple and user-friendly solution for powder coating processes, which guarantees high quality of finishing through automation and application pumps **OptiSpray AP01.1** technology.

The 2<sup>nd</sup> generation **dynamic contour detection** scanners identify the complex part shapes and individually position each of the guns mounted on the reciprocators for optimal surface coating. And all this without any programming. The **MagicControl CM40** does this work completely.

With the 2<sup>nd</sup> generation this dynamic shape

recognition system developed by Gema, every single gun is in the right place at the right time.

The **advantages** of Gema's **Dynamic Contour Detection** technology combined with the **OptiSpray AP01.1 «SIT» Smart Inline Technology**, are the following:

- Significant reduction in operator adjustments
- Better thickness uniformity
- Higher quality of the final coating
- Substantial reduction of manual touch-ups
- Significant reduction of powder consumption
- Important reduction of production waste
- Possibility to increase processing speed
- Color change in less than 10 minutes with powder recovery and in less than 4 minutes for "spray to waste"



# Application Success Stories

