

Application Success Stories

CHEMINÉES POUJOLAT

European leader in chimneys and roof outlets



Automatic powder coating of complex parts

Energy savings

Time saving

Application Success Stories

Installation Key Data

Parts size: H 2'000 mm
W 1'200 mm

Conveyor speed: 2,40 m/min

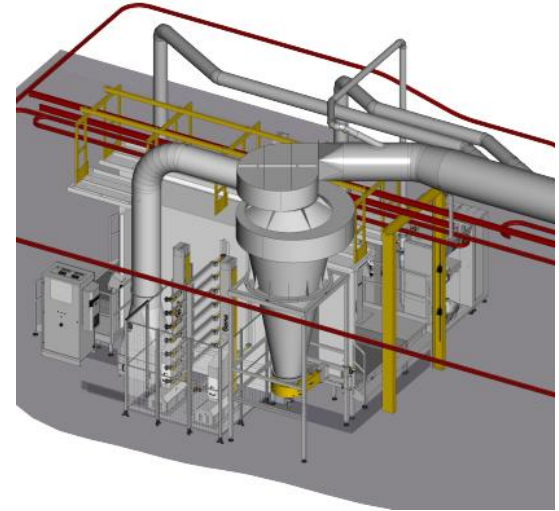
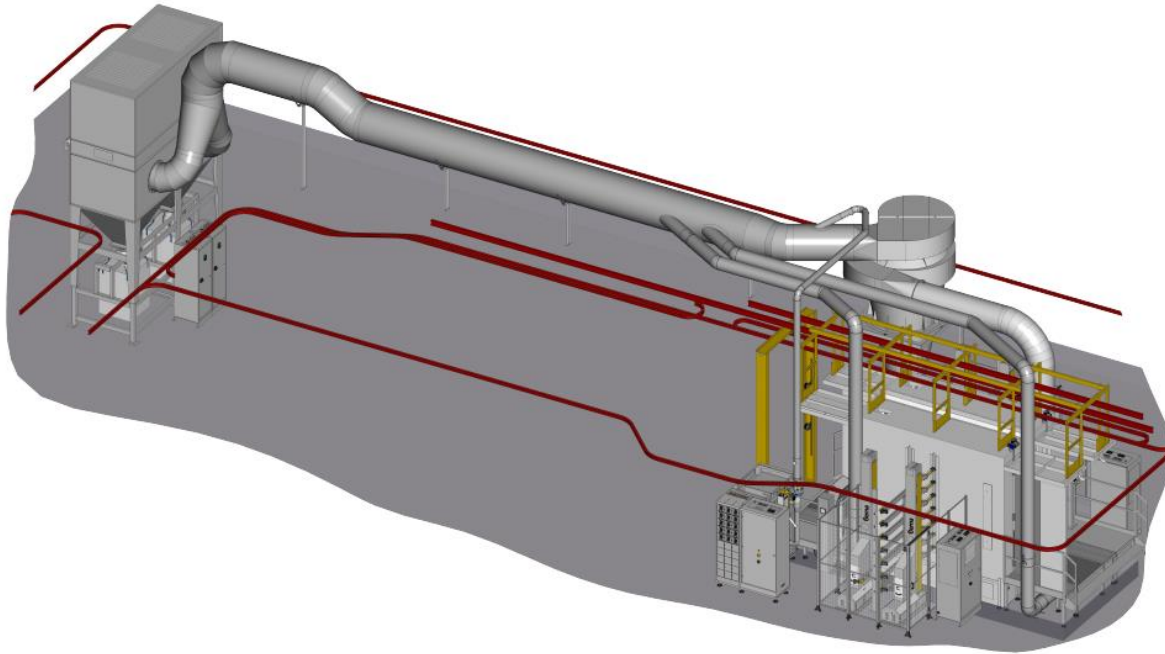
Scope of delivery:

- 1 x MagicCompact® EquiFlow® booth BA04 with manual suction station
- 1 x OptiCenter® OC08
- 14 x OptiGun® GA03-X moving guns
- 2 x OptiGun® GA03-X positionable fix guns
- 2 x OptiSelect® Pro GM04 manual guns for pre-touch and re-touching
- 18 x OptiFlow IG07-PA
- Dynamic Contour Detection
- 4 x Vertical reciprocators ZA16-18
- 16 x Individual axes UA05 to position the 16 automatic guns
- 1 x Cyclone 24'000 m³/h
- 1 x Final filter 32'000 m³/h with frequency converter
- Big bag under filter for lost powder
- 1 x MagicControl 4.0 with dashboard
- 1 x Scale with device to scan the barcode of the powder carton



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Layout



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Cheminées Poujoulat: the company

Founded in 1950, Cheminées Poujoulat is a French family business. Today, the Poujoulat Group has 22 subsidiaries in France and Europe and 11 industrial sites. It is the European leader in chimneys and roof outlets intended for individual homes, collective housing, the tertiary sector and industry.



History of Gema powder coating plants

2014: First powder coating booth to powder smoke ducts.

2023: Second automatic powder coating line for roof outlets and larger elements than on the first line.

The UA axes have been validated following tests carried out in the customer lab St.Gallen. They allow large and complex parts to be powder coated as much as possible with, on each side of the booth, the addition of a fixed gun that can be positioned at a precise point on certain parts to avoid manual touch-ups.



The vacuum floor of the manual stations keeps the workshop clean and the operators work in a less polluted environment. Energy savings have been made possible thanks to the frequency converter, which switches the filter to idle when parts are no longer passing through.