

Application Success Stories

Kratki - Elements of heating systems



Time savings and
powder consumption

Automation

High-quality
powder coating

Application Success Stories

Installation Key Data

Parts: Heating systems

Parts size: H 1'400 mm
W 500 mm
L 2'100 mm

Conveyor speed: 2,0 m / min

Scope of delivery:

- 1x MagicCompact® EquiFlow® BA04 booth
- 1x OptiCenter® All-in-One OC06 powder management system
- 1x MagicControl 4.0 (CM40)
- 2x OptiStar® 4.0 (CG20) control unit
- 14x OptiStar® All-in-one (CG22) control unit
- 14x OptiGun® GA03 automatic guns
- 2x OptiSelect® Pro (GM04) manual guns
- 2x OptiFlow IG07 injector
- 2x Reciprocators ZA13-23 i 4x gun positioner UA04
- 1x Cyclone EZ02-20 and filter 20'000 m³/h
- 1x Transfer pump OptiFeed PP06
- 1x Dynamic Contour Detection (Object recognition system)
- 1x Fire protection system STS

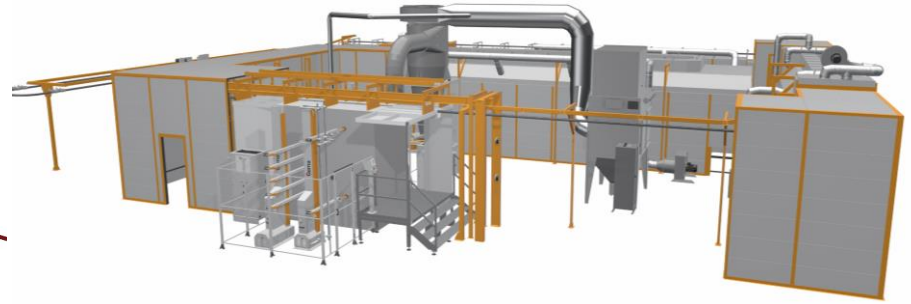
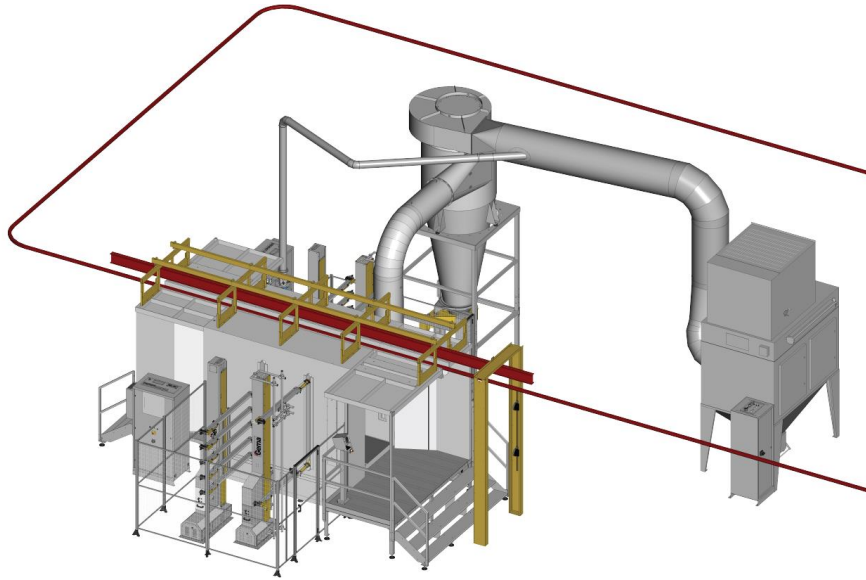
Installation: 2022



Kratki / Poland

Application Success Stories

Layout



Application Success Stories



Fireplace inserts, free-standing stoves, bio-fireplaces, fireplace grates, casings and other elements necessary for the installation of fireplaces - these are just some of the products manufactured by **Kratki**. The solutions provided by the company must meet the highest quality and safety standards, both in Poland and in Europe. The aesthetic aspect is also important. Kratki.pl offers its customers various types of products both modern and rustic styles. Therefore, a paint shop that allows you to paint details with a selected type of paint while maintaining the highest quality coverage is such an important element of the company's production process. In order to obtain maximum efficiency, production flexibility and painting precision,



Kratki decided to purchase an automatic powder coating application for quick color change with a part contour scanning system from **Gema Switzerland**.

The system is equipped with a **MagicCompact EquiFlow** booth for quick color change, thanks to which a short changeover time is achieved, a powder recovery system that reduces production costs, and an **OptiCenter OC06** powder center, which, combined with **OptiStar All-in-One** control units, provides the fastest response ensuring the highest painting efficiency. The painting booth is complemented by a manual painting station, and the entire system is controlled by the **MagicControl CM40** unit operating in the



Industry 4.0 standard.

The advantages of the Gema system include scanning of the part contour, which precisely positions the guns installed on autonomous axes. The OptiStar All-in-One gun control unit precisely controls the powder flow and precisely regulates the current to below 10µA in 0.5µA steps. This allows to obtain optimal coating parameters, even for demanding powders, and uniform coating thickness in individual batches. The entire system provides great painting flexibility and reduces paint consumption.

Gema powder coating line was supplied and commissioned by **P.C. Systems (PL)**.