

Application Success Stories



Highest Automation with
Dynamic Contour Detection

Better penetration into
cavities and edges



Reduced manual
touch-up

Application Success Stories

Installation Key Data

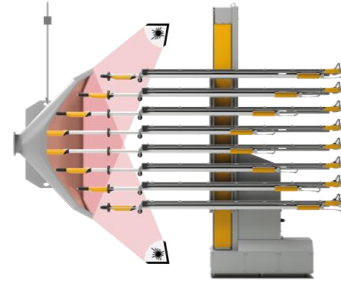
Parts: Job coater
Parts size: H 2.500 mm
W 900 mm
Conveyor speed: 2,5 m/min

Old configuration:

2 x Reciprocator ZA + XT with 2D Light barrier
1 x OptiCenter® OC07 - with OptiSpray AP01.1 Dense phase pumps
12 x Automatic guns - OptiGun® GA03-P
12 x Control for guns - OptiStar® 4.0 CG24-CP
1 x MagicControl 4.0

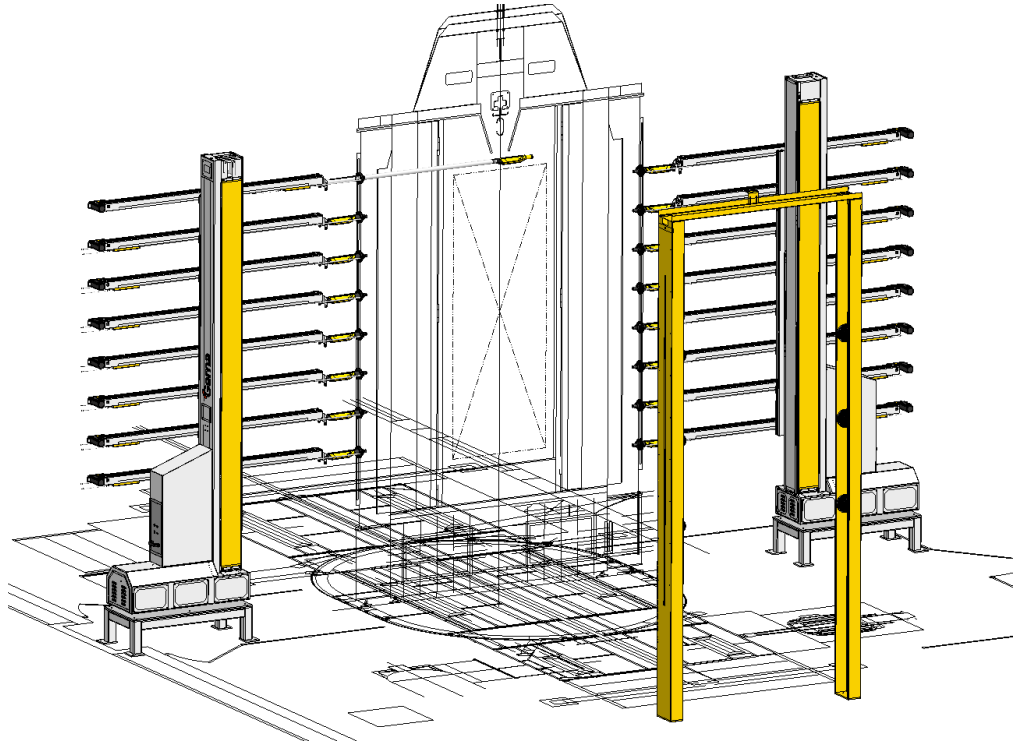
New configuration:

2 x Reciprocators ZA + 16 x UA05 with Dynamic Contour Detection
1 x OptiCenter® OC07 - with OptiSpray AP01.1 Dense phase pumps
16 x OptiGun® GA03-P Automatic guns
16 x OptiStar® 4.0 CG24-CP Control for guns
1 x MagicControl 4.0



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Layout



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Pintarelli Verniciature is one of the most important companies in the contract powder coating industry; from 1987 to now it has been a renowned center for research and innovation, which has led it to win numerous international contracts for architectural and infrastructure projects.

Since 2008, Pintarelli has decided to rely on Gema, which has supported the company throughout its growth path.

Once again, the company chose Gema's latest technologies.

The **Dynamic Contour Detection** system, made up of the UA05 axis and 3D laser scanners, combined with the MagicControl 4.0 control unit, can adjust the position of the OptiGun GA03 in order to respect the contours of the parts to be coated, thus reducing manual retouching.

The booth designed for fast color changes was equipped with the OptiCenter OC07 and the OptiSpray AP01 application pumps, which allow great powder savings thanks to the high

efficiency of the Smart Inline Technology (SIT). The work carried out by Gema allowed to improve the application quality, giving a better control of the thickness and the powder consumption, it also allowed to reduce the retouching work, so that a post-finishing operator left this task.

These achievements allow Pintarelli to have an innovative coating line that allows a quick return on investment.