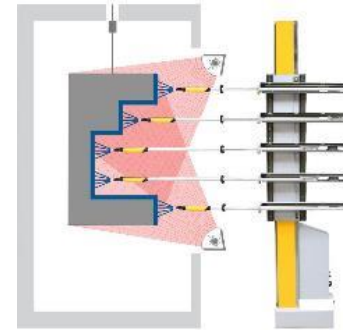


Application Success Stories



Maximum efficiency
and flexibility

Better penetration into
cavities and edges

Reduced manual
retouching

Application Success Stories

Installation Key Data

Parts:	Jobcoating
Parts size:	H 2.200 mm
	W 1000 mm
Conveyor speed:	1,5 m/min

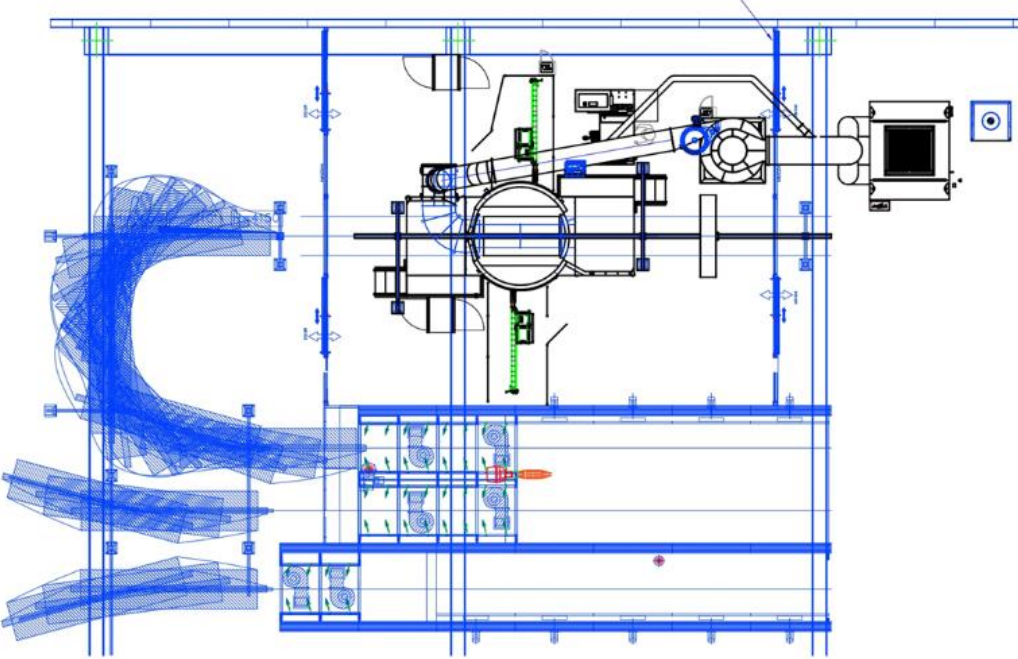
Scope of delivery:

- 1 x MagicControl 4.0 (CM40) with Dynamic Contour Detection with laser scanner
- 1 x OptiCenter® OC07 with
- 14 x OptiSpray AP01 application pump
- 12 x OptiGun® GA03P-X
- 2 x OptiSelect® Pro GM04
- 14 x OptiStar® CG24-P
- 1 x OptiFeed PP06 recovery pump
- 1 x Weighing scale
- 12 x UA04 infeed axes on 2x ZA13 axes



Application Success Stories

Layout



Application Success Stories



GIEMMEGI is a coating contractor founded in 2015 by Gianni Targa, who decided to put his twenty years of experience in the coating field to good use by renting the paint shop of an aluminum profile manufacturer.

Thanks to the perseverance and ambition of its owner, and with the help of its highly skilled employees, in just five years Giemmegi has seen its turnover tripled. Earlier this year, it acquired a new building, moved into a new headquarter and installed a new powder coating plant.

"When I decided to buy a new system, I

directly relied on Gema because of the experience and expertise that distinguish this company," states Targa.

As it mainly works for the interior furnishings sector, in which coating aesthetics is crucial and powder finishing is an ever-more common technology, Giemmegi needed the best solution available on the market to meet the requirements of its customers.

It chose to invest in a new, state-of-the-art booth system with a dense phase OptiSpray AP01 application pump and Dynamic Contour Detection scanners by Gema.

Despite the difficult relocation, which took place in an unprecedented historical period due to the coronavirus pandemic, the company was soon able to reopen and put the new plant into operation, thus immediately starting enjoying its benefits. "In just two months, I have had the opportunity to perceive the huge difference that this technology can make; also in terms of quality.

We still have a long way to go, since we are currently exploiting only a part of the booth's capacity, but with time we will learn to use full potential," says Targa.

Application Success Stories



The **MagicCylinder EquiFlow** booth, equipped with the innovative dynamic shape recognition technology and the dense phase pump is a simple and user-friendly solution, for powder coating processes, guaranteeing a high level of finishing quality through automation. The Laser Scanner identifies even the more complex part shapes and separately brings each of the guns mounted on the reciprocators in the most correct position for optimal surface coating. Part recognition is performed by the laser scanner located at the entrance to the booth, whereas the dynamic shape recognition process takes

place through the measurement of the object's distance aimed at accurately calculating its contours. No programming is required, because data are sent to the control unit **MagicControl 4.0**, which adjusts the guns individually according to the shape of the workpiece to be coated. With this dynamic shape recognition system developed by Gema, we have every single gun in the right place at the right time. The **advantages** of Gema's **Laser Scanner** technology combined with the dense phase **OptiSpray AP01** pump are the followings:



- Significant reduction in operator adjustments of automatic guns
- Better thickness uniformity
- Improved penetration into cavities and edges
- Higher quality of the final coating
- Substantial reduction of manual touch-ups
- Significant reduction of powder consumption and overspray
- Important reduction of production waste
- Possibility to increase processing speed.
- Color change in less than 10 minute with powder recover and in less than 4 minute for "Spray to waste"