

# Application Success Stories

## Ridi Leuchten GmbH Lighting technology



Energy savings

Powder savings

Quality assurance

# Application Success Stories

## Installation Key Data

**Parts:** Lighting technology

**Retrofit robotic booth:**

3 x OptiStar® 4.0 gun control

2 x OptiGun® GA04-R robotic gun

1 x OptiSelect® Pro GM04 manual gun

**Retrofit single color line:**

1 x OptiStar® 4.0 gun control

1 x OptiSelect® Pro GM04 manual gun

**Retrofit multi color line:**

10 x OptiStar® 4.0 gun control

8 x OptiGun® GA04-x automatic gun with integrated extensions

1 x OptiGun® GA04-R robotic gun

1 x OptiSelect® Pro GM04 manual gun

1 x OptiFlex® Pro B Spray 1P manual powder system



Image source: Gema

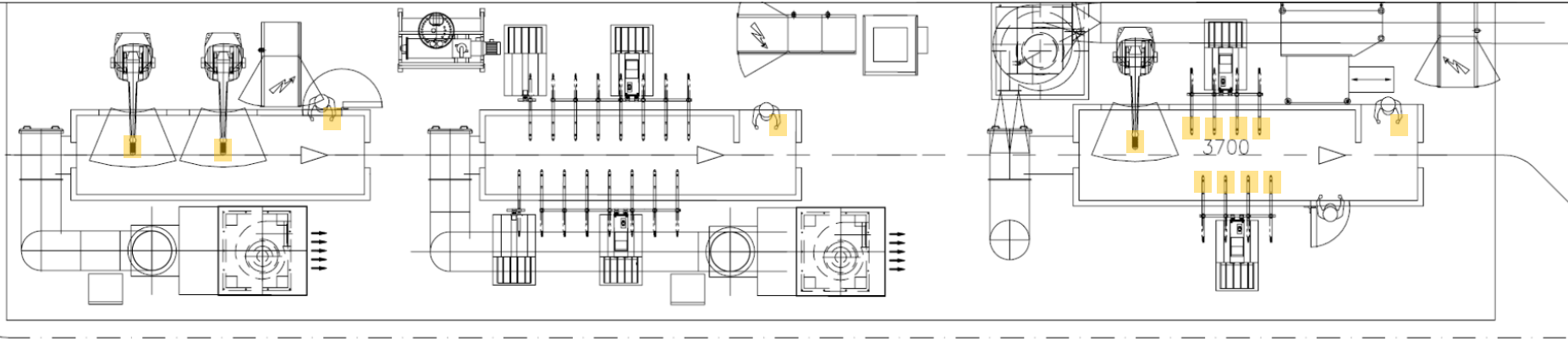
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## Layout

Robotic booth

Single color line

Multi color line



Retrofit scope

# Application Success Stories



RIDI Leuchten GmbH does everything in its power to make lighting solutions more individual, safer and more sustainable and offers a wide range of technical luminaires and functional strip lighting, design-oriented lighting objects and ambient lighting.

To continue to meet the high-quality requirements in the future, the ageing application had to be replaced. A three-week, free test with a current hand-held device from Gema was thoroughly convincing.

In the first step, the application guns and the associated control units of two booths, including three robots, were replaced on the existing system. For the latter, special brackets were manufactured in coordination, installed on site and thus the 3,500 robot programs were transferred without any problems.

The entire conversion took place within just two working days thanks to the active cooperation between Gema and the Ridi coater team. Immediately after the restart of production, it was clear that the new application consistently met the targets set.

Thanks to the modular design and good cooperation, RIDI was able to modernize the existing coating system in the shortest possible time.

Thanks to lower powder consumption and better charging, the high-quality standard has been further improved. The biggest advantage of the new application technology is the reduced compressed air consumption of 0.5 Nm<sup>3</sup>/h per gun. In conjunction with the reduced powder consumption, this results in significant cost and energy savings!