

Application Example

Perfect Coating of Wheel with Gema



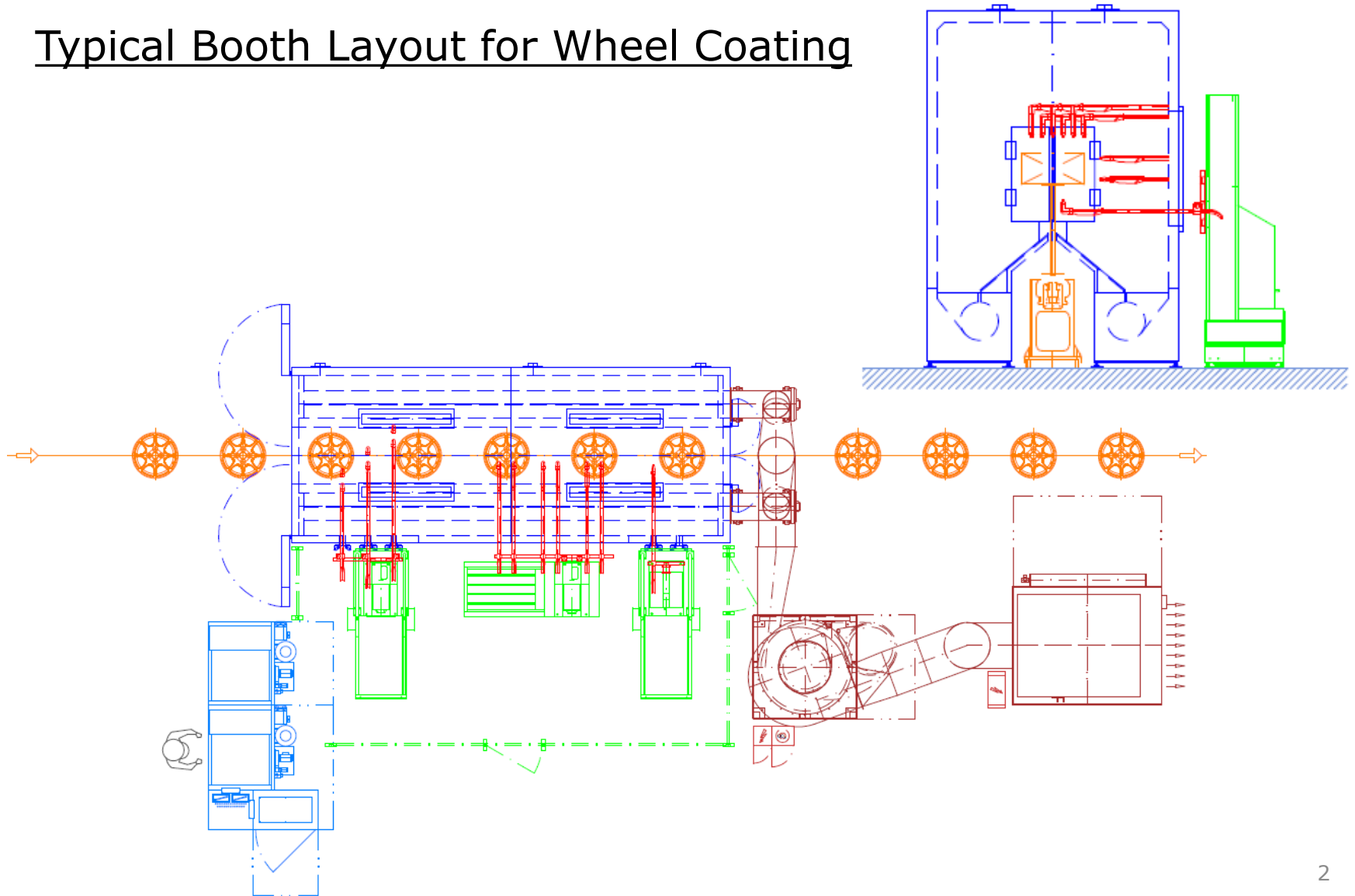
Color Change

Application of
metallic powder

Improved finishing
quality

Application Example

Typical Booth Layout for Wheel Coating



Application Example

Usual Installation Key Data

Parts: Wheels 13" - 22.5"
Height = up to 305 mm
Diameter = max. 610 mm

Conveyor Speed: 4.2 - 6.0 m/min

Scope of Gema Delivery:

OptiFlex AS05 Control Cabinet

OptiGun Automatic Gun incl. SuperCorona

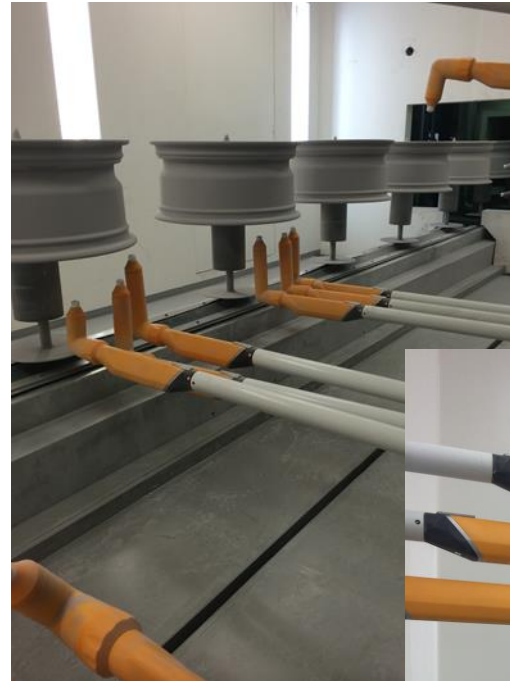
MagicPlus Automatic Booth

OptiCenter OC02 Powder Management

incl. UltraSonic sieve

Reciporcators incl. synchronized axis

MagicControl CM30 System Control



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Customer Expectations:

The market demand for wheels in different colors as well as the higher quality expectations and increased production capacity induce wheel suppliers to invest in complete new automatic powder coating systems. Some of the systems have to be integrated into existing conveyor lines. The previously installed systems remain in operation and are used for single color application.

The new lines are able to coat bigger wheel sizes and fulfill the high quality level specified by the premium car manufacturer. ROI is based on powder savings, improved line automation and color change capability.

Results using Gema products:

Using the newest Gema automatic generation the powder coating plants produce wheels in reproducible and high quality. The entire coating process is improved significantly with regard to efficiency and flexibility. The MagicPlus booth in combination with the OptiCenter powder management system helps to fulfill the high expectations such as the color change possibility, increased automation, repeatable coating results, clean working conditions and minimized powder loss.