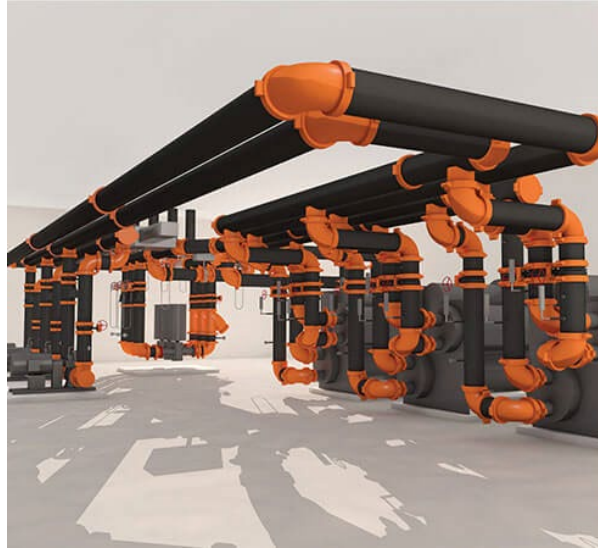


Application Success Stories

Case Study: Manufacturer of mechanical pipe joining solutions



Quick color change

State-of-the-art
technology

High flexibility and line
efficiency

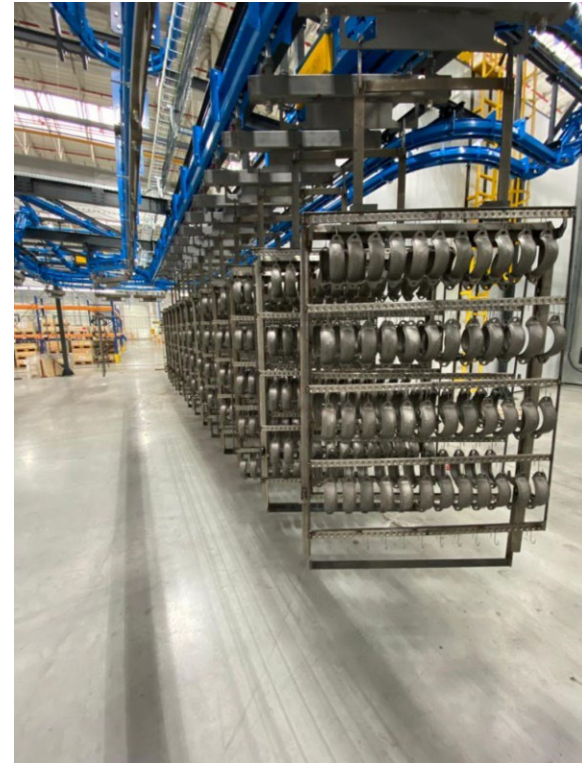
Application Success Stories

Installation Key Data

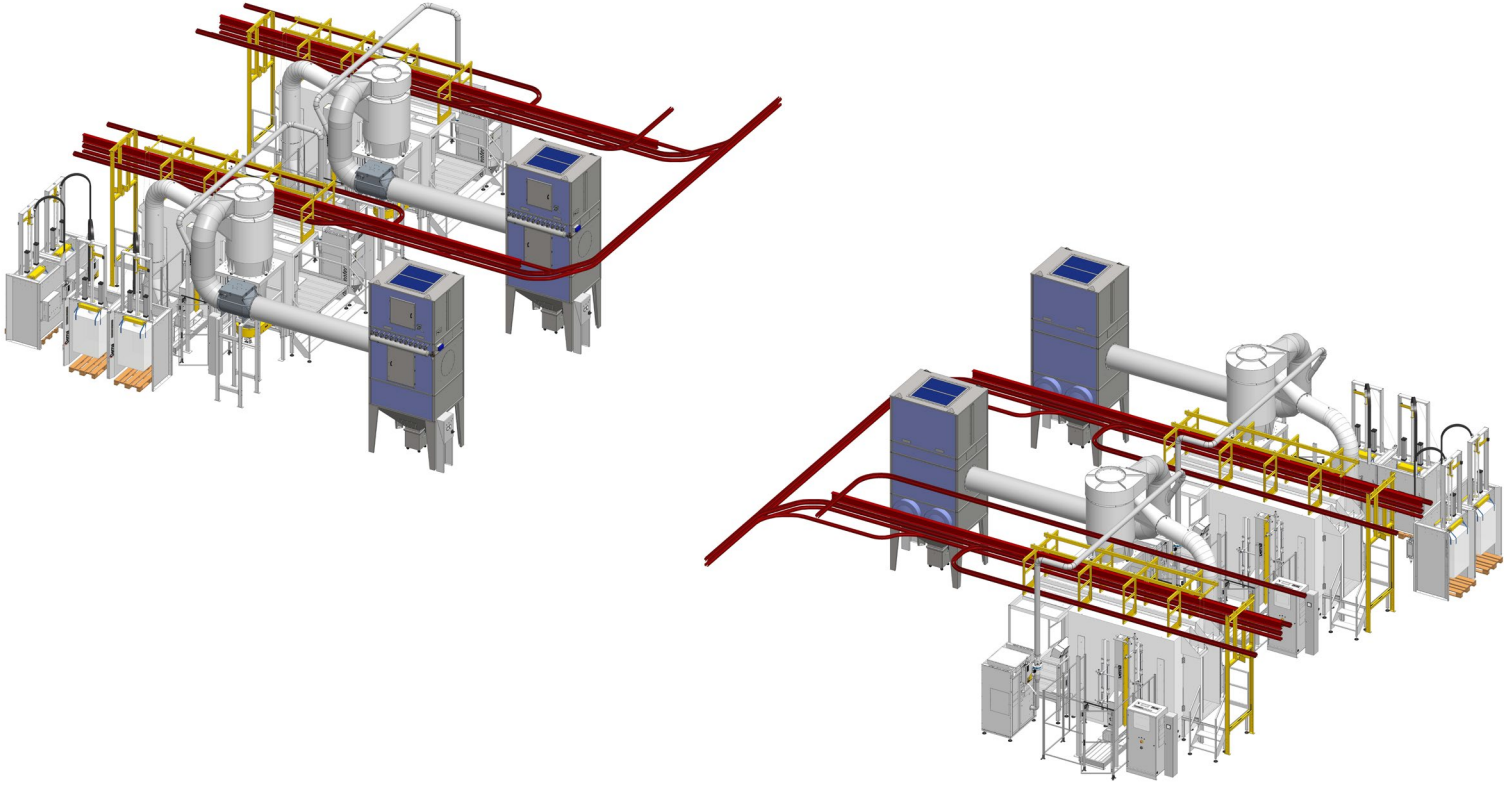
Parts:	Pipe joinings	
Parts size:	Max. Height of	1500 mm
	Max. Width of	400 mm
	Max. Length of	2000 mm
Conveyor speed:	2.6 m/min	

Scope of delivery:

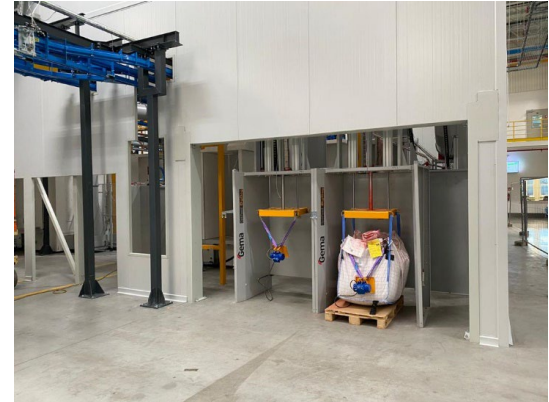
- 1x MagicCompact® EquiFlow® BA04 booth system with powder separation cyclone EZ02 and 16'000m³ after filter
- 13x OptiGun® GA03-X automatic gun
- 13x OptiStar All-In-One®, CG22, gun control unit with OptiFlow IG08 powder injector
- 2x OptiSelect® Pro GM04 Manual gun
- 1x OptiCenter® OC06 powder management system
- 2x OptiFeed BigBag FPS16 Fresh powder system
- 2x Reciprocators/positioners with automatic in/out positioning
- 1x MagicControl CM40, PC automation and triggering package
- 1x OptiFeed PP06 powder transport system (dense phase technology)



Application Success Stories



Application Success Stories



Application Success Stories

Our customer is the leading producer of mechanical pipe joining solutions. The company develops technologies and provides engineering services that address the most complex pipe construction challenges faced by engineers, site owners, contractors, and distributors. The company is vertically integrated with engineering, research, product development and manufacturing, ensuring quality across its global manufacturing facilities. The company's solutions enable people to work faster while increasing safety, ensuring reliability and maximizing efficiency.

In 2016 the company asked a partner for assistance with the powder coating of the manufactured parts. As a result of the trials the expected quality of the coated surface was achieved. Within 3 years, the quantity increased, which led the company to the decision to build their own fully automated powder coating line.

Customers expectations:

High-quality surface of powder coated parts; 90% for 2 colors (orange and red); 10% black. The customer required modern solutions to minimize the operator's work, with high safety class, meeting American and European health and safety standards. Another requirement for Gema devices is the use of the latest technologies available on the market.

The key to success:

Based on the expectations, the company proposed: two latest-generation Gema MagicCompact® EquiFlow® booths for a quick color change equipped with the innovative OptiCenter All-in-One® powder center –the industry's first powder gun control unit that combines electrostatics and powder feed in one compact device. Two BigBags are connected to each booth. It is also possible to supply black powder out of a box. To meet both European and American safety standards, the installation was equipped with an STS fire

suppression system. The after filter was extended with decompression chambers that dissipate the released energy in the event of an explosion as well as an explosion-proof back pressure. Project was made by the partner company.

