



Fusion Bonded Epoxy (FBE) pipe application, with dense phase technology.

Powder coating application on preheated products for Mülheim Pipecoatings GmbH (Germany).

Project Overview

What's new at the plant?

First large pipe coating plant with HDLV pump Technology and Aircap contactless powder Spray nozzles.

What equipment was used before?

Nordson EXP controls and 24 LF guns.

What was the Biggest challenge?

Achieving powder savings up to 5% with more Uniform coating thickness and higher first pass transfer efficiency with HDLV.



Specifications:

Year of construction: 2011
Type of components: Pipe
Parts material: Steel, preheated
Product diameter: 305 - 1524 mm
Coating: 80 - 625µm
Conveyor type: Wheel conveyor
Coating surface: 1000m²/hr

Booth type: Local
Powder: FBE
Powder feed: Rotary sieve
Pump Type: HDLV
Application: Prodigy HDLV/iControl
Automatic: 24 x Prodigy
Layout: 6 Horizontal,
4 Vertical rows of 6

Additional information:

- Rotary Sieve with controlled dosing powder feed system for high performance sieving
- Big Bag unloader with HDLV transfer pumps over 40 meter
- Transfer efficiency over 92%
- Very strict coating thickness variations
- Automatic purge clean system internal powder path