Application Success Stories

We create together !

BAS®
Let's create together!

EKO-BHL TUSZKO

Automation

Efficiency

State-of-the-art technology

Application Success Stories

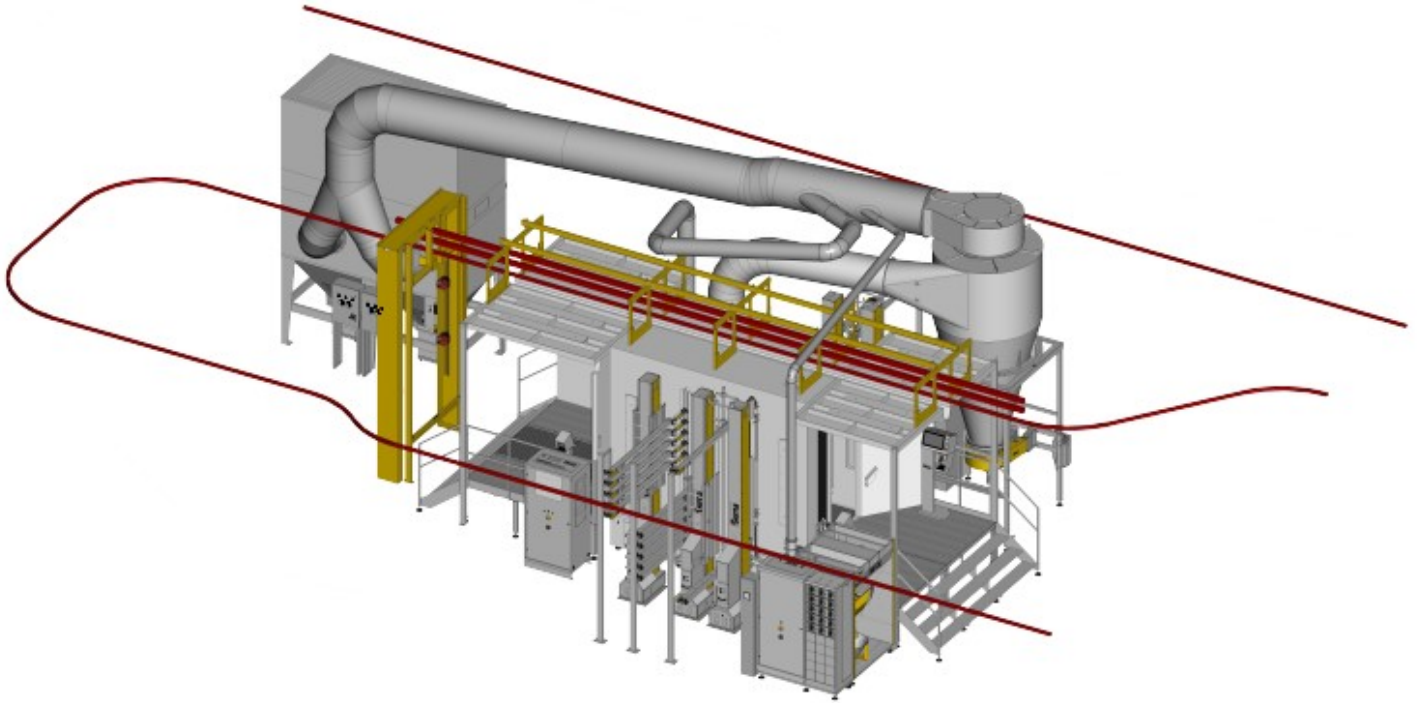
Installation Key Data

Parts:	Sheet metal components	
Parts size:	Max. Height of	2100 mm
	Max. width of	1100 mm
	Max. length of	3000 mm
Conveyor speed:	3 m/min	

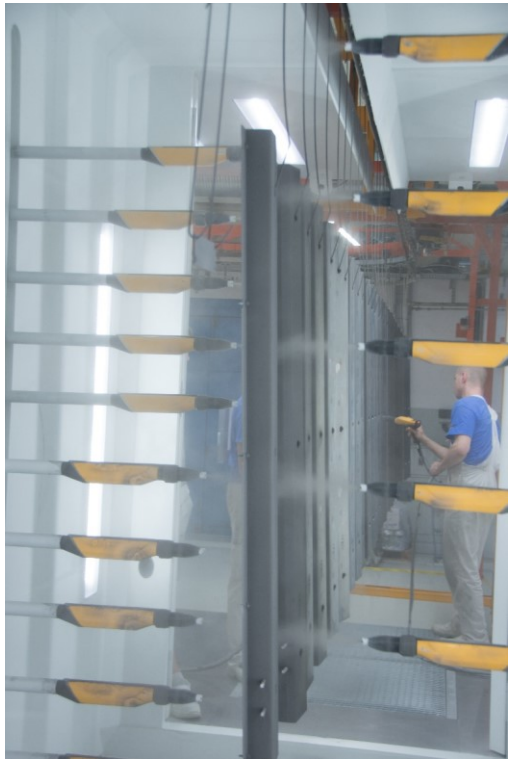
Scope of delivery:
OptiFlex® Automatic AS06 cabinet, CAN-Bus
4 x OptiSelect® GM03 manual guns
20 x OptiGun® GA03-1700 guns
OptiSpray AP01 pumps
Manipulator system: 3x ZA07-23, 2x ZA13-18
4x Infeed axis type UA03, 16x infeed axis type UA04
Control system ICS04 – MagicControl 4.0
2x Contour scanner
MagicCompact® EquiFlow® BA04 booth
Powder management OptiCenter® OC03
Filter connected to the monocyclone

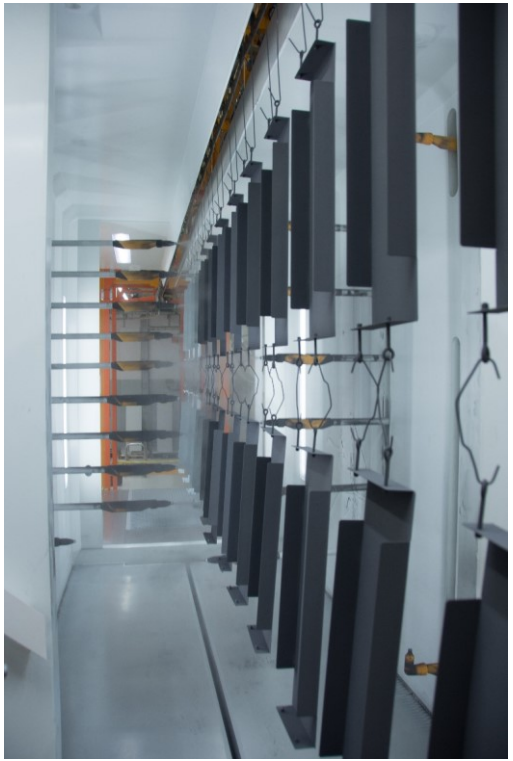
Application Success Stories

Layout



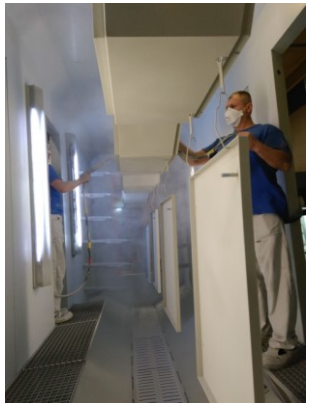
Application Success Stories





Belma AS Sp. z o.o. / Poland

Application Success Stories



Company profile:
Belma BAS Sp. z o.o. is a company that specialises in complex sheet metal working. The company has the possibility of laser cutting, CNC combi-punching, bending and welding. The company has robotic welding stations, production lines and powder coating and offers a wide range of services in the field of sheet metal refining. The Belma AS system meets, among others, ISO 9001 and ISO 14001 standards, pro-vides highest level of production quality and offers a wide range of logistics solutions. All stages of product manufacturing are carried out with respect for the natural environment.

Customer initial situation:
Belma BAS Sp. Z o.o. had a third party coating booth system in place. Due to the rather spacious and complex details of the manufactured cabinets, the coating required a high manual coating effort. The efficiency was low, it did not exceed 2.2 m/min and the manual coating caused uneven varnish coating.

The key to Gem's success:
The key success was the implementation of Dynamic Contour Detection technology combined with coating using the U-axes. Tests carried out in December 2018 in the laboratory in St. Gallen have proved an increase of the line speed as well as a constant film thickness on the entire product within 15 microns. Project was made by EKO-BHL company.