Application Success Stories

LAFUMA MOBILIER SAS
Furniture manufacturer

Powdering consistency

Energy savings

Time savings

Application Success Stories

Installation Key Data

Parts size: H 1700 mm
L 700 mm

Conveyor speed: 5m/min

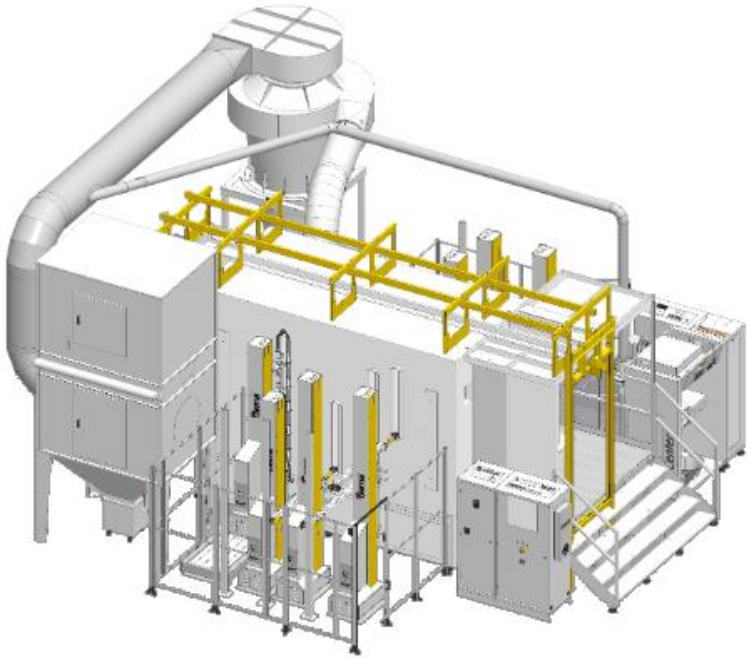
Scope of delivery:

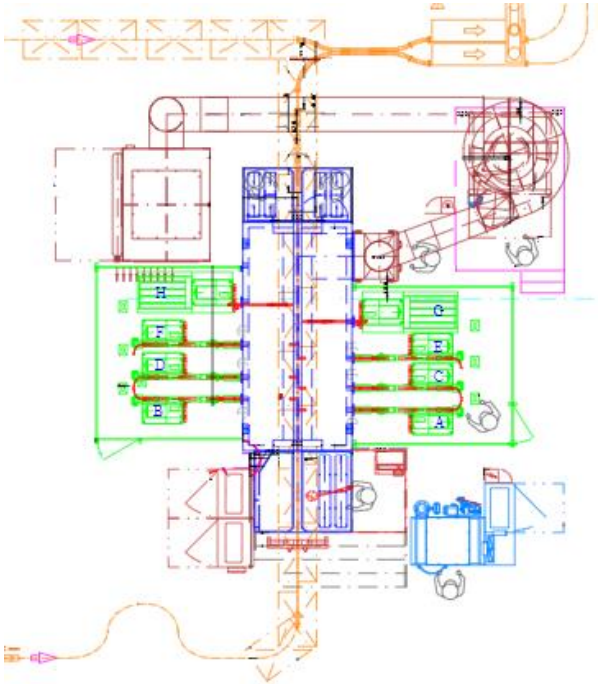
1 x MagicCompact® EquiFlow® BA04 booth
1 x OptiCenter® OC08
10 x oscillating OptiGun® GA03-AX guns
6 x positionable fixed OptiGun® GA03 guns
1 x OptiSelect® GM03 manual pretouch gun
17 x OptiFlow IG07-PA injectors
2 x ZA07-18 reciprocators with XT10
6 x ZA07-18
6 x UA05 independent axes to position 6 automatic guns
1 x 16000 m3/h mono cyclone
1 x 16000 m3/h final filter with frequency converter
1 x MagicControl 4.0 system control with GemaConnect Dashboard

Lafuma Mobilier / France

Application Success Stories

Layout





Gema

Lafuma Mobilier / France

Application Success Stories

The company

1930: Birth of the brand. In the early 1930s, Victor, Alfred and Gabriel Lafuma invented metal frames for their products in Anneyron (Drôme); a successful combination of the comfort of the fabric and the resistance of the tube. Lafuma Mobilier, French designer and manufacturer of outdoor furniture since 1954, innovates while remaining in line with its DNA: a signature between architectural lines and French chic. Today, Lafuma produces 630,000 items per year, including 250,000 loungers and 200,000 deck chairs, has 14 active patents and distributes its products in more than 20 countries.

History of the Gema powder coating system at Lafuma Mobilier

2006: Replacement of booth n°1 by a MagicCylinder QCS Gema booth

2016: Replacement of booth n°2 by a MagicCylinder QCS Gema booth

2022: Replacement of booth n°1 by a MagicCompact BA04 Gema booth.

The two goals of this new booth from the beginning were to robotize the positioning of the fix-guns and to save energy.

The UA axes have made it possible to automate the positioning of the 6 fix guns, by setting up specific programs. This drastically reduces manual pre-touching and achieves high application quality. Operators now work in a more comfortable and safer working environment. 8 months of the year the line works in double shift at 8h and in the rest of the time in single shift.

The **energy savings** were made possible by the variable frequency motor drive, which switches the filter in slow motion when the parts conveyor stops or especially when the parts are redirected to another booth.

Gema

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