

Application Success Stories

Metal cabinets and profiles



High degree of automation

Constant coating results

Improved productivity

Application Success Stories

Installation Key Data

Parts: Metal cabinets and profiles

Parts size: H = 2000 mm
W = 800 mm
L = 3800 mm

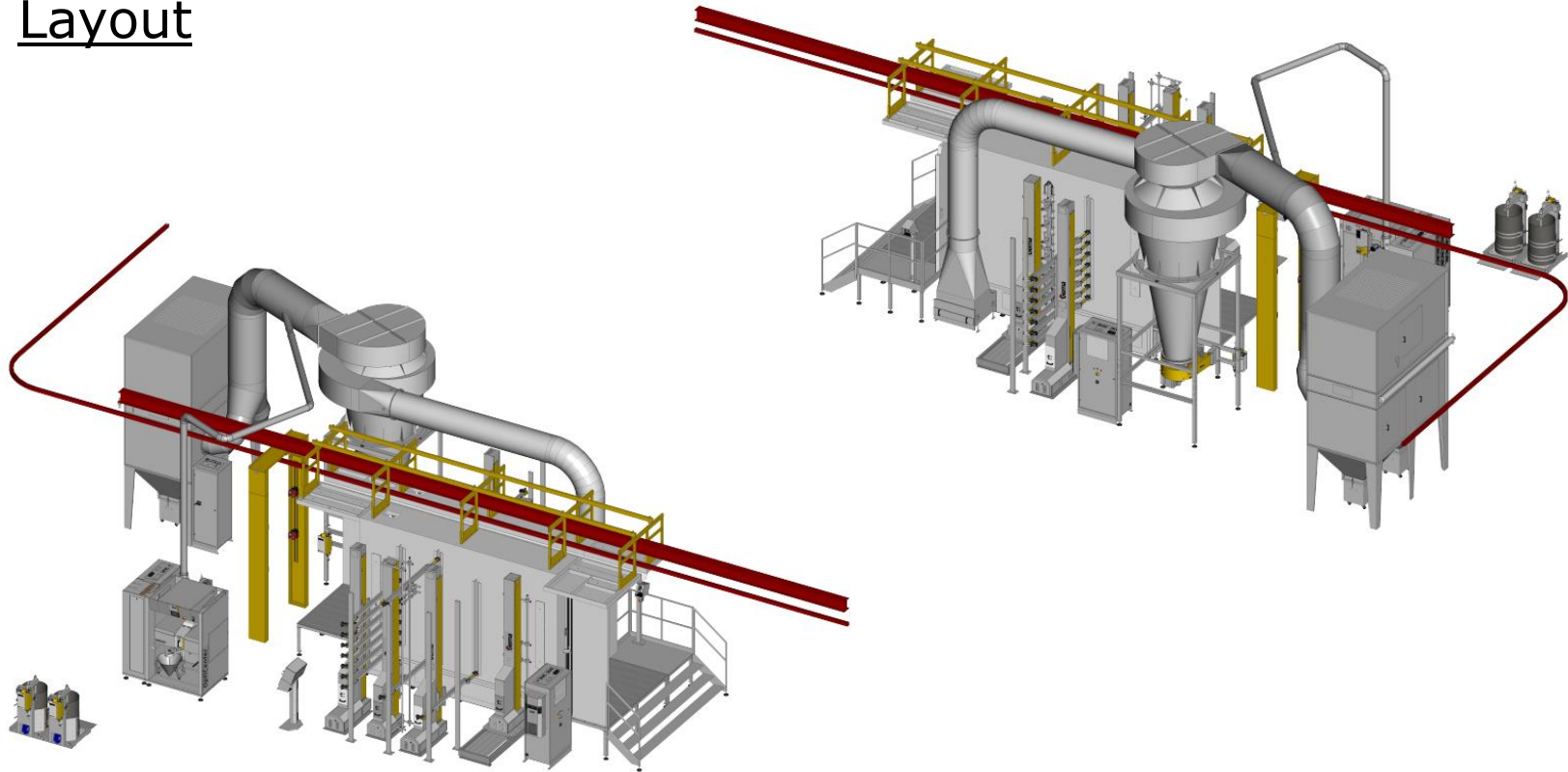
Conveyor speed:
2.0 - 3.5 [m/min]

Scope of delivery:

1 x MagicCompact® EquiFlow® BA04
1 x OptiFlex® AS06/ 30 x GA03-P + 2 GM04
1 x OptiCenter® OC07/ 32 x OptiSpray AP01.1 pumps
(1 pump will be used for the robot gun in the future)
2 x OptiFeed Drum FPS11 fresh powder system
1 x MagicControl 4.0 master control installed in ICS
4 x Laser scanner for Dynamic Contour Detection
2 x ZA07-23 reciprocator
2 x XT10 horizontal axis
4 x ZA16-23 reciprocator
17 x UA05 gun axes

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Layout



Application Success Stories

The former Gema technology was completely replaced by the new system and put into operation within 24 days. Turn key installation done by Lottmann with programming support of Gema Switzerland.



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Company profile

Aj Metal Design is a producer of metal furniture with 50 years tradition and with own R&D department. Thanks to these advantages Aj Metal Design is able to offer also non-standard solutions to customer.



What was achieved:

With the new Gema powder coating booth, which includes the Dynamic Contour Detection system together with OptiSpray AP01.1 pumps for powder feeding and optimal guns configuration on 6 manipulators, it was possible to achieve a significant acceleration of production and thus markedly



increase the capacity of the paint shop. A need of manual touch-up for the specific Z beams was eliminated. Consistent quality results, repeatability of coating jobs, less programming and effective powder management with recovery will ensure the value to Aj Metal Design for long future.