

Application Success Story

Automation and application repeatability means savings



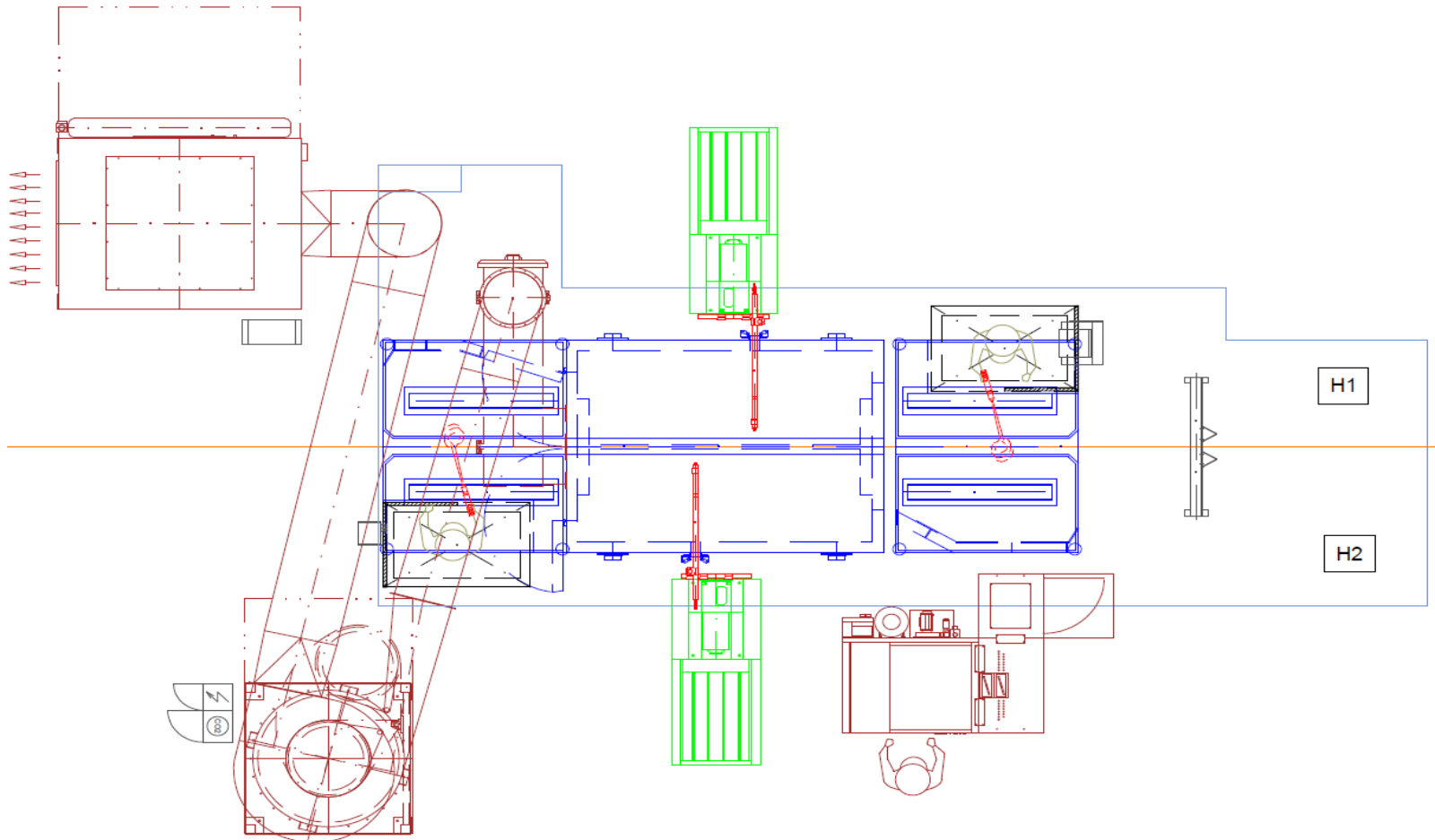
**Constant high
quality coating
results**

**75% savings on
waste powder**

**Painters working
conditions
improved**

Application Success Story

Installation Layout



Application Success Story

Installation key Data:

Parts : furniture for leisure

Parts size :

- H 1'500 mm
- W 1'400 mm

Conveyor speed : up to 2m/mn

Scope of Delivery:

- 1 x MagicPlus Equiflow booth
- 1 x OptiCenter OC02
- 1 x OptiMatic AS05-12P
- 10 x OptiGun GA02AX-SC Auto gun
- 2 x OptiSelect GM03 manual gun
- 1 x MagicControl CM-30
- 2 x robot ZA05/13 + 2 XT10
- 1 x light barrier
- Platforms fitted on scissor lift



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The customer, already equipped with a 13 year old Magic Plus Gema booth had a production increase in terms of quantity, variety and number of colors. 3 painters apply powder in pre-touchup mode to be able to maintain the production rate. Working conditions were difficult for painters with risks of quality reduction and irregular coating. Results: Powder loss 15% (11T per year) and loss of productivity due to a numbers of necessary recoating



One day lab trials in St Gallen confirmed the solution to coat with only 2 painters. The new Magic EquiFlow booth, equipped with our friendly automatic equipment has replaced the old one. The solution consists of : Acurate light barriers, precise ZA robots on XT tables, Optistar gun control units, an OptiCenter with UltraSonic sieve, CanBus, and 2 manual guns OptiSelect installed on 2 lift platforms for pre and post-touch up. A CM30 PLC system controls all functions



Thanks to the effectiveness of automation, reproducible quality and productivity, manual errors are avoided and re-coating reduced. The level of scraping, offers a lot of powder savings and better thickness consistency (from 75-200 μm to 75-100 μm). Only 2 operators are now needed for touch-up. In addition thanks to the quality of the automatic color changes, the waste powder loss is reduced by 75%. In summary: Increased Productivity and powder savings, reduced touchup and quicker color change.