

Application Success Stories

3 MagicCompact® EquiFlow® booths in 3 years!



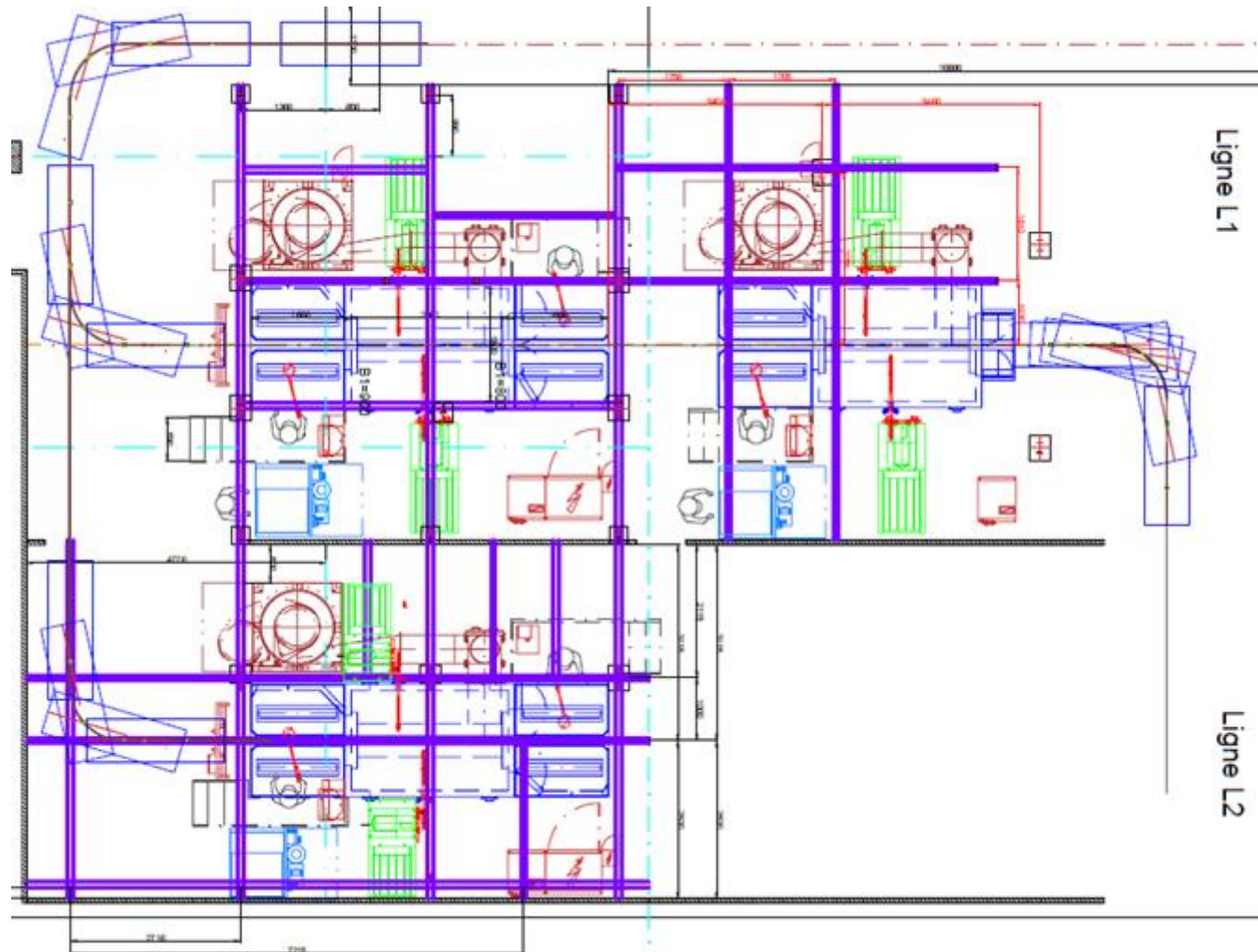
1 full-time
operator saved

40t powder / year
6 color changes /day

Less wear part and
powder
consumption

Application Success Stories

Layout



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Installation Key Data

Parts: Aluminum parts – various sizes

Powder types: Polyester – textured

Scope of Delivery for each MagicCompact® EquiFlow® BA04 (so x 3)

1 x OptiFlex® AS08 cabinet / OptiCenter® OC02

6 x OptiStar® CG08 gun control

6 x Automatic gun OptiGun® GA03 X – 1300mm / OptiFlow IG06 injector

2 x Manual gun OptiSelect® GM03 – 150 mm / OptiFlow IG06 injector

1 x MagicControl CM30

2 x vertical axis ZA13 robot + 2x XT10

1 x platform for manual touch up

Light barrier detection system

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Created in the seventies, this family-owned job coater is nowadays a medium size company, which continually anticipates technological evolutions to reach its customers requirements. In the old organization, 3 operators were in charge of the 4 stainless steel automatic booths that were in operation for years. But aspiration, pollution recurring problems and 45 min per color change, pushed our customer to purchase its first BA04 Gema plastic booth. 2 years later a second BA04 booth followed and a third one the year after, all equipped in the same way. The last stainless steel booth has been kept for the moment. The 4 booths are positioned in line, 2 by 2, on the same conveyor's shaft that moves at 1,10m speed per minute.



The person in charge of the maintenance declares that with 40 tons of powder consumption per year + around 6 color changes per day, our OptiCenter made the difference compared to our competitors' proposals.

Reduced space of the coating area forced our engineering and assembly teams to install filters on a mezzanine and to cut its floor to pass the heads of the cyclones.

2 operators (1 per 8 hours shift) mainly coat various size parts on booth 1 and 2, cleaning one while the second is in production. Plastic booth n° 3 is dedicated to the application of white colors. This change in process and organization allowed to save a full-time operator.



The operators particularly appreciate:

- ease of use of the new equipment, including OptiCenter
- fine adjustments allowed by automation level of the equipment,
- cleaning efficiency and rapidity
- programming is pleasant to do and more accurate than with the old controls
- booths environment is very clean
- powder and time savings etc.

Other gains noted by managers:

- No application stops, recovery powder, film regularity, less "gaps" with the 3 booths' organization, the conveyor never stops, wear parts consumption for 3 booths is the same than for 1 in continuous operation, flexibility and time savings benefits.