

# Application Success Stories



Ultra fast color change

Premium coating results  
thanks to SIT

Advanced production  
management

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## Installation Key Data

**Parts:** Aluminum extrusions

**Parts size:** 1'800mm high  
600mm wide

**Conveyor speed:** 2 metres per min

### **Scope of delivery:**

1 x MagicCylinder® EquiFlow® booth

16'000m<sup>3</sup>/h MonoCyclone and filter

2 x ZA and X axis

8 x OptiGun® GA03 automatic guns

2 x OptiSelect® Pro manual guns

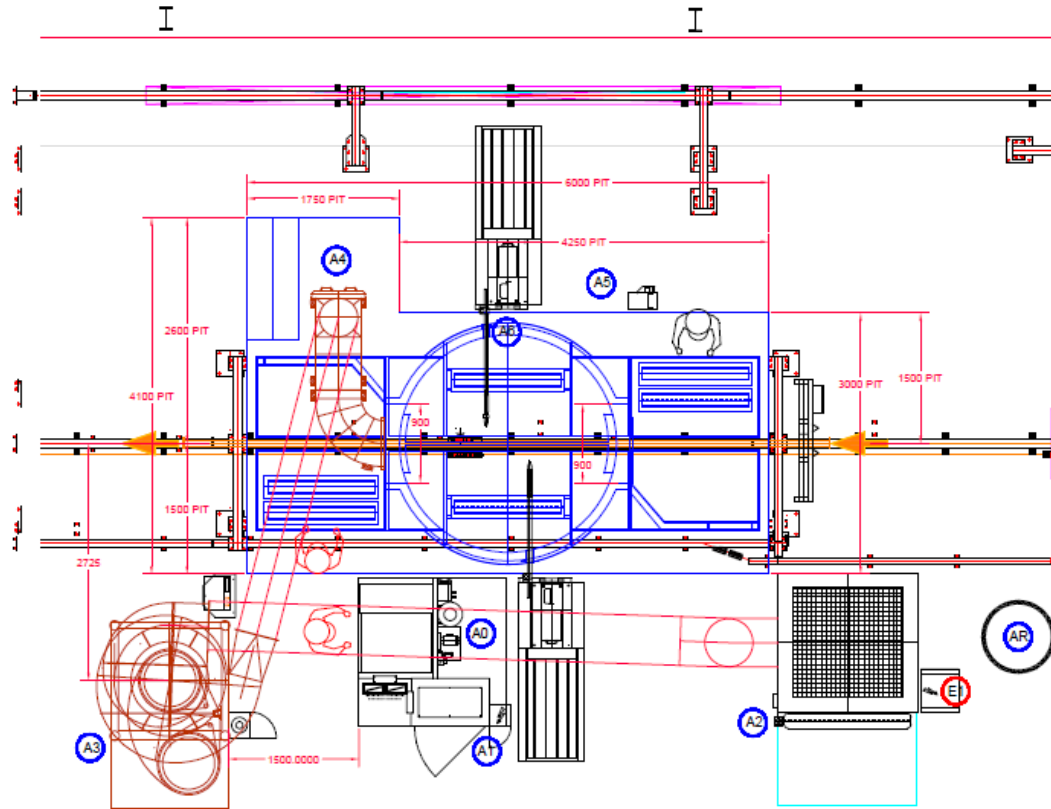
1 x OptiCenter® OC07 with OptiSpray AP01  
incl. SIT technology

1 x MagicControl 4.0 with GemaConnect



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## Layout



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Sheerline have invested over £1 million in a new state-of-the-art powder coating plant, bringing the most important secondary process that happens to their aluminium profiles in house for the first time. This further investment in their fully vertically integrated, single site UK manufacturing facility helps strengthen Sheerline's ability to offer its customers the very best service and quality possible. Ensuring that every Sheerline profile has a beautiful, consistent and blemish free finish.

Greg Grabski, Garnalex's Powder Coating Plant Manager explains, 'In the past, we have relied on third party suppliers to powder coat our products, using well-known and well-respected companies to keep up with the growing demand for the Sheerline range. Traditionally this has meant transporting mill finished profiles from our warehouse to the powder coaters, waiting for them to process it, then collecting it back, before it's put into stock. This obviously racks up mileage, increases the products carbon footprint, and unavoidably introduces an extra incremental opportunity for damage to occur. By investing in our own powder coating facility we have built in efficiencies and significantly reduced stock movement – taking up to 5 weeks out of the process involved in putting painted profiles into stock. This added agility, ensures we can fulfil customers' orders on time and in full, as well as giving us direct control over quality checks, with the ability to rectify any issues in hours rather than weeks.'

Greg continued 'When it comes to extrusion coating the Magic Cylinder has significant benefits over alternative designs due to its unique cylindrical design which supports contamination free fast colour changes. The ultra-efficient recovery system and high first-time transfer efficiency from the OptiFlex application guns positions us perfectly to produce to the highest standards in an extremely sustainable way. We also opted for Gema's industry renowned SIT powder pump, this upgrade over the standard system combined with the ultra-sonic sieving solution allows us to achieve best-in-class finishes on our comprehensive extrusion range every time. The system is extremely easy to operate and gives us quick and easy data visibility through the GemaConnect platform, this allows us to understand the operational parameters for the powder coating operation and take meaningful decisions around production planning.'