

Application Success Stories



UK Based Manufacturer of:

- Electrical, Data & EV Charging Enclosures
- Meter Boxes
- Passive Fire Protection Systems
- Metal Fabricated Parts



Batch Management Data

GemaConnect®
Dashboard

Premium Coating Results

Application Success Stories

Installation Key Data

Parts:	Various metal parts
Parts size:	Max Height 1500 [mm] Max Width 800 [mm] Max Length 2500 [mm]
Conveyor speed:	0.8 - 1.7 [m/min]

Scope of delivery:

- 1x MagicCompact® EquiFlow® booth
- 8 x OptiGun® GA03 automatic guns
- 2 x OptiSelect® Pro Manual guns
- 8 x OptiSpray AP01.1 Application pumps
- 12,000 Nm³/h Mono-Cyclone & After Filter
- 1x MagicControl 4.0 (CM40) with GemaConnect
- 2 x ZA07-18 Reciprocators
- Width & Height Part Detection
- 1 x OptiCenter® OC07 powder management system
- 1 x Ultrasonic Sieve US07

Special Features

- Automatic Powder Waste Removal System
- Advanced Batch Management with weigh in/weigh out feature to capture all powder costs



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The History of Ritherdon

Established in 1895, Ritherdon have been manufacturing a variety of electrical enclosures and related products for many decades. A passion for innovation with close working relationships with their customers means that they are continually developing and expanding their product ranges.

Some of the industries they work with and products that they manufacture include:

- Industrial metering panels for the electricity supply industry;
- EV Charger Enclosures;
- Data and Fibre cabinets;
- Meter box repair units for the social housing providers;
- Passive Fire Protection Products

More recently Ritherdon has developed their feeder pillar and service cabinet ranges for the highways and street lighting sectors (including prewired).

A passion for innovation has led to continual development of their product range and they have recently introduced the crash-tested, passively safe cabinet.

The stainless steel electrical enclosures are also used in many other applications where electrical or electronic equipment needs protecting from the elements, from solar photovoltaic farms in the UK to oil wells in Saudi Arabia.

Ritherdon have proudly been manufacturing steel products for over 125 years and their investment in the latest Gema technology will allow them to continue to lead in their field.



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Ritherdon have invested in their paint shop with a premier powder coating booth from Gema UK & Ireland. Gema were the chosen supplier due to the reputation Gema has for market leading quality and reliability.

The new powder coating paint plant will boost efficiency and help Ritherdon further reduce the environmental impact of their manufacturing process.

It is the latest generation Gema premium MagicCompact EquiFlow booth, complete with OptiCenter OC07, SIT dense phase pump technology, with batch management and energy optimisation system.

Ritherdon utilised the full benefit of our Installation team who helped with optimising the powder coating process to get the most out of the latest technology and adapting it to Ritherdon's manufacturing practices.

The new state-of-the-art powder coating plant keeps Ritherdon providing the best powder coated finish, quality and performance.

The Management Team at Ritherdon proudly shared that *"We look forward to increasing our capacity, providing the best paint finish for our products and most importantly doing so in an eco-friendly way. Making use of the advanced technology that allows the OptiCenter to reclaim up to 95% of the powder used, after being recovered and filtered, with minimal waste at the end of the process."*

We pride ourselves in the quality powder coated finish of all Ritherdon Enclosures: cabinets, feeder pillars, meter boxes and FireSeals. The powder coated finish make Ritherdon stainless steel enclosures achieve the 'smart look' we are known for!"



John Wright, Operations Director (left) with Operator Matthew Bradley. Matthew is delighted with new system and how it is transforming the coating operation for him and his colleagues.