



Industrial Finishing Partner

Powder Coating + Cerakote for production, trade and specialist components





About Us

PB delivers industrial finishing services across powder coating and Cerakote®. We have one facility dedicated to Cerakote and one to powder coat, supporting manufacturers, fabricators, and trade partners who need consistent finishes, reliable lead times, and clear quality control from intake to dispatch. Whether you're protecting components against corrosion, enhancing wear performance, or achieving a premium cosmetic finish, our process focuses on disciplined surface preparation, controlled curing, and thorough final inspection—ensuring the finish you approve is the finish you consistently receive.

- **Production-minded workflow (batch efficiency, repeatable profiles)**
- **Separate coating areas to maintain finish quality**
- **Masking and protection for functional surfaces (as required)**
- **Practical support: quoting, spec checks, packaging guidance**

Capabilities

Substrates handled:

Common ferrous and non-ferrous metals (e.g., steel, titanium and aluminium components)
Fabricated assemblies, brackets, frames, panels and precision parts
Mixed part profiles from small items to larger assemblies (spec-dependent)



We work with many different types of businesses and industries including...

Automotive
Engineering and Manufacturing
Construction
Industrial Equipment
Cycle and Leisure manufacturers
Commercial product brands and fabricators
Kitchens/Bathrooms
Heating Systems

However, we work with businesses and industries of all kinds, without limitation.

Facility & Equipment Capability



Capacity

Our facility is set up for batch processing, allowing efficient runs of multiple small-to-medium components in a single cycle while still accommodating larger one-off items when required. Capacity is best confirmed from drawings or sample dimensions; as a practical reference, our batch capability supports items up to bicycle-frame scale, alongside high-throughput runs of smaller parts for production-style orders.

Surface preparation (what procurement expects to hear)

Consistent coating performance starts with preparation. We run a structured prep approach that can include abrasive blasting, degreasing/cleaning, and pre-coat conditioning appropriate to the substrate and finish requirement. Prep stages are selected to support adhesion, corrosion performance, and cosmetic consistency.

Booths, application areas & contamination control

Application is carried out in controlled spray environments designed to support clean finishes and repeatability. We maintain dedicated coating areas appropriate to the coating system in use, with extraction/filtration practices aimed at controlling overspray and minimising cross-contamination between finishes.

Ovens & curing control

We have three dedicated ovens in our facility. Curing is completed using purpose-built commercial curing ovens engineered to support our workflow, with controlled temperature management and repeatable cure cycles aligned to coating specifications. We operate cure profiles suitable for common industrial powder systems and Cerakote applications, ensuring cure conditions are applied consistently.



Process control (how outcomes are maintained)

Simple workflow

1. Receive & book-in
2. Inspect & confirm spec
3. Prepare surface (clean/blast as required)
4. Mask & protect functional areas
5. Apply coating
6. Cure to specification
7. Inspect & quality checks
8. Pack & dispatch





Powder Coating

Powder coating provides a durable, production friendly finish suited to high-touch and high-use components. We support a broad range of colours and textures, with finish selection guided by the end environment, whether that's corrosion protection, exterior durability, or a consistent cosmetic standard across repeat batches.

- Film build applied to suit the powder system and end-use requirement
- Cure cycles controlled to coating specification
- Options across smooth, texture, matte, satin, gloss and specialty finishes
- Colour matching supported using recognised colour references (finish dependent)



(Thin-film performance coating)

We have two certified Cerakote specialists in house.

Cerakote is a thin-film performance coating selected when components need wear resistance, chemical resistance, heat tolerance or improved performance on tight tolerance features where a thicker film build may be unsuitable.

Cerakote is particularly useful for functional parts that require a durable finish while maintaining fit and assembly interfaces

- High-wear contact areas
- Parts exposed to chemicals, heat, or repeated handling
- Components requiring thin-film performance over cosmetic-only coating

“Since completing their Cerakote® Factory Training, Phill and the team at Cerakote by PB have taken their commitment to the brand to another level. We’ve watched them grow from their first training through to delivering high-end projects across multiple industries, including the prestigious Brompton bikes. With additional staff now factory trained and a dedicated Cerakote facility in place, PB have shown real dedication to quality, consistency, and pushing the boundaries of what’s possible with Cerakote. We’re proud to work closely with Phill and his team and excited to see how they continue to expand the use of Cerakote coatings across new sectors in the future.”

CERAKOTE® UK | Team



Common Questions and Answers

1) Maximum part size

“Capacity is confirmed from drawings or sample dimensions. Our batch setup supports high-throughput runs of small-to-medium components, while still accommodating larger items up to bicycle-frame scale depending on geometry and racking requirements.”

2) Maximum part weight

“We handle a wide range of component weights, from lightweight parts through to heavier fabricated assemblies, using appropriate racking and handling methods. If weight is a constraint for a specific component, we confirm this at quote stage from drawings/spec.”

3) Batch ovens vs production line

“Our workflow is batch-led to maximise throughput and repeatability, making it well suited to trade supply and production-style orders. Batch processing also allows flexible scheduling for mixed part profiles and short runs.”

4) Prep equipment

“Preparation may include abrasive blasting, degreasing/cleaning, and pre-coat conditioning depending on substrate and finish specification. Prep stages are selected to support adhesion, cosmetic consistency, and durability.”

5) Spray booths

“Coating is applied in controlled spray environments designed to support clean finishes, consistent application, and reduced contamination risk. Separate application practices are used as appropriate for the coating system.”

6) Ovens / type / temperatures

“We use purpose-built commercial curing ovens with controlled temperature management to run repeatable cure profiles aligned to coating specifications. Cure cycles are selected based on the coating system and part geometry to ensure consistent results.”

7) Process workflow steps

“Receive → inspect/spec confirm → surface preparation → masking → application → curing → inspection/QC → pack & dispatch.”

8) Incoming inspection

“Parts are checked for damage, contamination, sharp edges, surface condition, and any features requiring masking. Any issues impacting finish quality are flagged before coating.”

9) Masking

“Masking is available for threads, holes, bearing seats, mating surfaces and functional interfaces as required by the part’s design and assembly needs.”

10) Cure verification

“Cure is controlled using defined time/temperature profiles aligned to the coating specification, with verification practices used to support repeatability across batches.”

11) Thickness measurement tool (without naming a brand)

“Where film build is specified or critical, thickness is checked using a dry film thickness (DFT) gauge appropriate to the substrate and coating system.”

12) Final QC

“Final QC includes coverage, cosmetic consistency, edge quality, cure/finish checks, masking accuracy, and pack-out inspection to reduce handling marks and transit damage.”

13) Powder finishes / RAL colours “We support a wide range of finishes

including smooth, textured, matte, satin and gloss, with colour matching supported using recognised colour references. Availability can be confirmed at quote stage depending on finish requirement and lead time.”

14) Typical coating thickness range

“Film build is applied to suit the coating system and end-use environment, balancing durability with fit/function requirements.”

15) Lead times / urgent service

“We offer standard lead times with expedited options subject to workload and finish requirements. If you have a deadline, we’ll confirm the earliest achievable dispatch at quote stage.”



BROMPTON

T LINE CERATECH BLACK GOLD

PHILLIP HENSCHKE IS OUR SENIOR DESIGN ENGINEER WHO WORKED CLOSELY WITH YOUR TEAM ON BRINGING THIS PROJECT TO LIVE:

"WORKING CLOSELY WITH PB POWDER COATINGS, WE ACHIEVED THE HIGH-PERFORMANCE CERAKOTE FINISH FOR OUR T LINE CERATECH IN BOTH BLACK AND GOLD VERSIONS."

"THE CERAKOTE FINISH, APPLIED BY THE PB POWDER COATINGS TEAM IN THE UK, DELIVERS DURABILITY AND STYLE TO OUR T LINE CERATECH PRODUCT."

We're proud to showcase our Cerakote work on Brompton's T-Line Ceratech bikes, delivering Bronze, Black, and Black & Gold finishes across full production runs. Applied in house to ISO standards, the ultra thin 40 µm Cerakote coating adds vibrant colour without the weight of powder coating, saving around 300 g per frame.

As Phillip Henschke, Senior Design Engineer at Brompton, says: "Cerakote feels like it's part of the material. You can still feel every peak of each weld bead, you can still see the smooth transitions on the tubes. This is not a coating that hides flaws; it feels part of the titanium rather than an addition to it."

The project celebrates British engineering, craftsmanship, and innovation, introducing premium colour options while maintaining performance, precision, and the signature feel of Brompton titanium frames.





BROMPTON



“I have worked with PB Powder Coatings Ltd for more than eight years, and they have consistently proven themselves to be one of the most reliable and professional powder coating partners I’ve ever worked with. Over the years, they have handled a wide range of large volume commercial projects for us and the quality has remained outstanding every single time.”

“AFTER MORE THAN EIGHT YEARS OF WORKING TOGETHER, I CAN CONFIDENTLY SAY I HIGHLY RECOMMEND THEM TO ANYONE LOOKING FOR HIGH-QUALITY POWDER COATING BACKED BY PROFESSIONALISM AND CONSISTENCY YOU CAN COUNT ON”



“THE TEAM IS KNOWLEDGEABLE, EASY TO WORK WITH, AND PROACTIVE IN SOLVING CHALLENGES. WHETHER WE NEEDED QUICK TURNAROUND, COLOUR MATCHING, OR GUIDANCE ON THE BEST COATING APPROACH, THEY’VE ALWAYS BEEN READY TO SUPPORT US WITH EXPERT ADVICE AND DEPENDABLE SERVICE.”



How to Quote / How to Send Parts

To provide an accurate quote for powder or Cerakote coating, PB Powder Coatings needs the following information:

Part details:

Dimensions, material type, and quantity

Finish requirements:

Colour, gloss level, texture, and any masking or protected areas

Project timing:

Desired delivery or completion deadline

Packaging & Transport Guidance:

Pack parts securely to prevent scratches, dents, or contamination during transit

Use clean, dry, and stable packaging; avoid direct contact between coated surfaces

Label clearly with handling instructions and part identifiers

Get in Touch:

Location: PB Powder Coatings, Gainsborough, DN21 1NF, UK

Hours: Monday–Friday, 8:30 am – 5:00 pm

Email: info@pbpowdercoatings.co.uk

Direct Contact: 01427 677266

We also offer site visits and trade account options for ongoing B2B customers, helping streamline orders, production planning, and repeat projects.