

Portuguese company offering dipping coating solutions for the automotive sector is seeking production agreements.

Summary

Profile type

Business Offer

Company's country

Portugal

POD reference

BOPT20250825021

Profile status

PUBLISHED

Type of partnership

Supplier agreement

Targeted countries

• World

Contact Person

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Term of validity

25 Aug 2025**25 Aug 2026**

Last update

25 Aug 2025

General Information

Short summary

A respected Portuguese supplier with a long track record in technical painting and surface treatment offers high-efficiency PUR encapsulation for automotive component manufacturers and suppliers. The company operates a robust, quality-driven facility, with all processes certified to international standards and optimized for sustainability and is seeking partners under a manufacturing agreement.

Full description

The company's proprietary encapsulation service involves a sophisticated PUR dipping process that provides a durable, permanent coating for metal components. The main stages of this process are described below:

- **Surface Preparation:** Parts are carefully cleaned and prepared to ensure optimal adhesion of the PUR material.
- **Immersion and Coating:** The metal parts are partially immersed in a specially formulated polyurethane solution. The process allows for precise control over coating thickness and uniformity, even for complex geometries.
- **Withdrawal and Drainage:** After immersion, components are withdrawn at a controlled rate, ensuring a consistent and even coating film across all surfaces.
- **Curing:** The coated components are then cured, typically by heated air, which cross-links the PUR and ensures strong, resilient encapsulation.

- **Finishing:** Coatings can be customized in various colors and finishes according to client needs, enhanced with IMDS certification for full traceability.

The company's solutions can be applied in various fields within the automotive sector, providing significant added value in different use cases. For example, these encapsulation technologies are especially suitable for the protective and functional coating of fasteners, bolts, screws, and small metal components exposed to challenging environments. They also offer effective encapsulation for parts where sealing and insulation are critical needs, such as in reducing assembly failures or enhancing operational reliability. Additionally, components can be finished in different colors to facilitate traceability, support assembly guidance, or meet specific regulatory requirements.

The company is now looking to expand further and is seeking producers and sales representatives to work with directly under a production agreement.

Advantages and innovations

- **Permanent encapsulation:** The process ensures robust protection from corrosion, abrasion, and chemical exposure, which is superior to conventional nylon caps.
- **Noise and friction reduction:** The polyurethane layer dampens vibrations and noise, contributing to both performance and comfort in vehicle assemblies.
- **Design flexibility:** The technique supports high-volume, repeatable runs as well as custom small batches, with color and finish adaptable to OEM or legislative requirements.
- **Stringent Quality Assurance:** LEAN methodologies are applied throughout production, with full documentation and compliance for automotive sector standards.
- **Sustainability:** The encapsulation system is designed to minimize waste and supports responsible sourcing and environmental best practices in all operations.

Technical specification or expertise sought

Stage of development

Already on the market

Sustainable Development goals

- **Goal 13: Climate Action**
- **Goal 7: Affordable and Clean Energy**
- **Goal 8: Decent Work and Economic Growth**
- **Goal 11: Sustainable Cities and Communities**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR Notes

IPR Notes

Partner Sought

Expected role of the partner

The company is inviting production agreements with:

- Manufacturers of automotive fasteners and metallic components wishing to enhance product durability and reliability.
- Engineers and industrial suppliers/sales representatives interested in integrating cutting-edge PUR encapsulation into their production lines.
- Companies looking for a technical partner with deep expertise in surface treatment, offering flexibility, reliability, and full technical support, including development of tailored solutions as needed.

Collaboration may include custom development, prototyping, pilot batch production, or ongoing high-volume manufacturing, with a clear focus on building long-term, strategic partnerships that drive innovation and improve value across the automotive supply chain.

Type of partnership

Supplier agreement

Type and size of the partner

- **SME <=10**
- **SME 50 - 249**
- **SME 11-49**
- **Big company**

Dissemination

Technology keywords

Market keywords

- **08001015 - Other speciality materials**

Targeted countries

- **World**

Sector groups involved

Media

Images



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