



Coating of Plastic Surfaces

SERYGRAPH, BLADE COATING AND SPRAY COATING

KEY WORDS

BLADE COATING,
SCREEN PRINTING,
COATING

DESCRIPTION

Our surface coating service allows us to apply and optimize functional coatings and labeling on plastic materials using screen printing, knife coating, and spray coating, guaranteeing precise control of thickness, uniformity, and curing conditions. We have deposition equipment, thermal or UV curing systems, and substrate preparation capabilities. The service defines and adjusts application parameters to obtain homogeneous and reproducible coatings, ensuring they meet established functional and quality requirements.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Screen printing printer with digital control of pressure, speed and mesh type
- System for applying thin, uniform films
- Spray coating chamber with flow control, atomization and application distance.
- Oven for thermal curing and controlled drying of coatings
- UV curing chamber for efficient polymerization of inks and coatings
- Humidity and temperature-controlled chamber for the conditioning and stabilization of substrates or coatings
- Instrumentation for measuring thickness, uniformity and surface finish, including profilometer, scanning electron microscopy (SEM) and atomic force microscopy (AFM)

APPLICATIONS

- Controlled application of functional coatings and labeling on plastic sheets and parts
- Validation of inks, varnishes, barrier layers or protective coatings
- Optimization of screen printing and knife coating parameters for specific formulations
- Production of coated samples for advanced characterization or industrial validation
- Evaluation of adhesion, thickness and uniformity of functional coatings
- Technical support for the development of printed electronics and functional devices on plastic substrates

CONTACT US

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