

INTRODUCTION


Coating Technology is a young and dynamic reality, founded in 2016 to meet the demands of the emerging surface treatments sector.

The company offers a wide range of services: high pressure technical cleaning in a closed space, solvent based coatings, transparent and colored PTFE based coatings, plasma technology treatments, PFAS-free treatment solutions, coatings compatible with applications for the food, drinking water, medical and cosmetic industries.

Certified to ISO 9001:2015 and ISO 14001 standards, Coating Technology operates in full compliance with environmental regulations and in accordance with the quality management system, ensuring high quality standards for all offered treatments.

Thanks to these qualities, the company is able to accomodate requests from various sectors including industrial, automotive, food, medical (in compliance with biocompatibility requirements according to ISO 10993 requirements) and cosmetic.

Equipped with a modern in-house laboratory, Coating Technology can perform various types of tests, including friction coefficient measurement test and Cleanliness test according to VDA19 (ISO 16232).

+39 035 4425644 

info@coatingtechnology.net 

www.coatingtechnology.net 

Via Cercone, 13/15 - 24060 Castelli Calepio (BG) 

PRODUCTION SITE

Coating Technology currently employs 7 staff members and 9 operating machines, maintaining a consistent growth trend, largely due to continuous investment in the R&D and production departments.

Coating Technology boasts a modern machine park:

- 2 machines for the technical cleaning, located within a closed chamber to prevent potential contaminations;
- 2 machines with plasma technology, used not only for certain treatments but also for the “activation” phase, preparing the elastomers surface for coating application;
- 4 coating machines;
- 1 automatic sorting machine (with UV tracer presence control).

Upon receiving the articles, processing proceeds through the following stages:

- Technical cleaning: pieces are placed in a metal basket inside the machine and the operator inputs necessary parameters via the control panel; the process is fully automated and conducted entirely within the machine to ensure contamination-free processing.
- Activation: articles are activated using plasma technology; again, this process is fully automated.
- Coating: the product is deposited onto the pieces via automatic spray technology or plasma technology, controlled by the operator inputting specific parameters; some coatings may undergo a finishing phase in a dedicated oven to stabilize the coating on the surface.

QUALITY DEPARTMENT



Coating Technology has a modern in-house laboratory where the following tests can be performed:

- COF (coefficient of friction) test, conducted on all treated batches to ensure treatment conformity and repeatability;
- Cleanliness test according to VDA 19 (ISO 16232), carried out upon customer request;
- Measurement of colored coating thickness using a dedicated optical microscope;
- Compound verification via IR spectrometer;
- UV tracer presence verification (where applicable in the coating).

MODUS OPERANDI

PHASE 1:

- Customer request submission
- Proposal of optimal solution by the technical department
- Coating sampling on a minimum batch
- Evaluation of results by the customer

PHASE 2:

- Discussion with the customer on the obtained results
- Submission of offer for the final order
- Receipt of the pieces to be treated
- Initiation of process

PHASE 3:

- Quality control verification of treatment conformity and repeatability
- Items packaging
- Delivery of finished items to the customer

The pieces to be treated can be of various types: O-Ring, valves, bearings, gaskets, sealing systems, profiles etc.

Coating Technology treatments also adhere to the strictest standards, referencing current regulations (FDA, UBA, DVGW, WRSA, MOCA etc.) depending on the field of application.