

Coating industrialization of functionalized surfaces



various coatings - functional & esthetically pleasing

APPLICATION

many options of coating solutions
based on your requirements

OPTIONS OF FUNCTIONALIZATION

physical properties

- optical coatings – e.g. filters for light, waveguide layers, antireflection coating, silvering
- defined wetting behavior for reproducible sample preparation
- tight vapor barrier avoids interaction between sample and plastic or its additives
- conductivity avoid build up of static charges
- super hydrophobic surfaces (e.g. electrowetting applications)
- change of surface energy (e.g. hydrophilic)

biological properties

- immobilization of biomolecules
- tissue culture applications

chemical properties

- linking of functional groups
- prevention of unspecific adhesion (e.g. protein adhesion)
- adhesive layer (e.g. SiO₂ for amino-silane or epoxy silane coating)
- glass like coating – mimic glass like reaction conditions
- chemical resistance

COATING SERVICES

- sputter coating
- chemical or physical coating
- plasma treatment

YOUR BENEFITS

- robust and reproducibility processes for mass production
- various coating solutions
 - single or multilayer coating
 - uniform or pattern coating
- almost endless options by coating
- controlled processes by automation
- high expertise in materials & applications
- ISO 13485 certified and GMP ready



functional coating based on your requirements