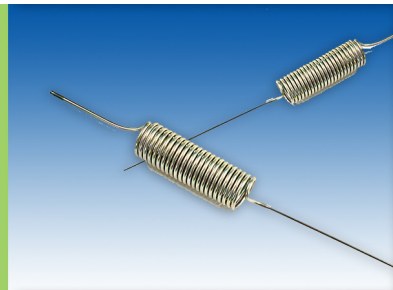
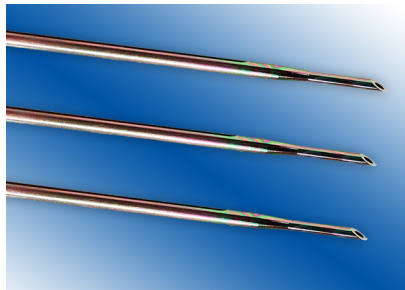




CVD Coatings for Medical Devices

SilcoTek® is helping customers in the medical device and diagnostics industry to solve their component surface problems successfully by using our Dursan® coating technology.

Dursan is a chemically inert, silicon-based coating that improves corrosion resistance, reduces protein carryover promoting more accurate test results as well as more thorough cleaning, disinfection, and sterilization processing.



Benefits of Dursan® in Medical Devices and Diagnostic Instruments

- **Reduce protein carryover** - Dursan's low surface energy prevents protein and other media from sticking, improving test accuracy and device cleaning.
- **Improve corrosion resistance** - Dursan protects metals from harsh cleaning chemicals, such as bleach, prolonging medical component and device lifetime.
- **Prevent contamination** - Metal ion leaching from equipment is avoided with Dursan's bio-inert barrier in the flow path.
- **Eliminate frequent maintenance** - Dursan prevents blood, protein, and other bio-media from adhering onto metal surfaces causing manual maintenance, component replacement and equipment downtime.
- **Excellent adhesion properties** - Dursan is chemically bonded and molecularly fused onto your parts' surface to prevent flaking and eliminate unwanted particles in your packaged products.

Medical Device and Diagnostic Instrument Applications Using Dursan®

Common Parts Benefiting from Coating

SilcoTek's Dursan coating has shown excellent beneficial properties with:

- Needles
- Tubing
- Syringes
- Guide Wires
- Probes
- Cannulas
- Surgical Tools
- Sensors
- Centrifuges
- Ampoules



Medical Product Substrates

Dursan can be successfully coated onto ceramics, glass and metals such as stainless steel.

Medical Product Applications

SilcoTek coatings have boosted performance in the following applications:

- Immunoassay Analysis
- In-Vitro Devices
- Consumable Storage/Disposal
- Liquid Chromatography
- Sterilization Processing
- Blood Processing