



## Technical Data Sheet

### Description:

FluoroBond<sup>®</sup> Pre-Treat is a proprietary 7-stage hyper cleaning process developed by the engineers at Surface Solutions group to enhance the adhesion of no-PFOA PTFE coatings on stainless steel and nitinol medical devices. It is environmentally safe and nontoxic.

FluoroBond<sup>®</sup> Pre-Treat removes the alkaline residue, machining oils, fluids or other contaminants on stainless steel or nitinol substrate surfaces. This cleaning process allows a fresh layer of chromium oxide to form on the outer surface of the stainless steel or nitinol without changing the overall dimensions of the mandrel or coil.

Our custom built and designed automated system utilizes PLC control of temperature, ultrasonic and pneumatic agitation, recirculating rinses and a final fresh DI rinse with a minimum of 1MW quality water. All of our chemistries and rinse waters are filtered and the filter media maintained weekly. SSG maintains the upmost cleanliness of the system to assure to our customers that their stainless steel or nitinol products are processed to the highest standards.

### FluoroBond<sup>®</sup> RT Benefits:

- **Enhanced adhesion for no-PFOA PTFE coatings**
- **Automated and controlled 7-stage process**
- **Environmentally friendly and nontoxic**
- **Controlled lot sizes for specific part numbers**
- **Programmable process for various part configurations**
- **No field failures or delamination of no-PFOA PTFE coatings when using FluoroBond<sup>®</sup> pre-treatment**
- **Small bulk part processing**
- **Mandrel lengths up to 310 cm in length**
- **Coils up to 600 cm in length**

### Results:

- **No delamination**
- **No FDA recalls**

*Information presented in this technical data sheet is considered reliable, but conditions and methods of use, which are beyond our control, may modify results. Before adopting our products for commercial use, the user should confirm their suitability. In no case should recommendations or suggestions for the use of our products be understood to sanction violation of any patent.*

