

# **Changing the Perception of Fluoropolymer Coating on Semiconductor Manufacturing Equipment**

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## **Abstract**

Various types of fluoropolymer are used in the wet process. Some are used in solid form, others are used in coating. Our customers in the semiconductor industry made us aware that there are numerous misconceptions and misunderstandings for fluoropolymer coating. These include, pinholes, heavy metal contamination leaching out from the coating, poor adhesion, controlling tolerance etc. There is a certain limitation for the coating material and technology, although, most problems mentioned are preventable. There is compatible coating material and sufficient technology for today's wet process needs. Fluoropolymer can be coated on various materials and change its surface characteristics. Proper coating can solve the current problems and opens up new design possibilities. One of the most important things is selecting an experienced coater in the semiconductor industry, who understands the industry's requirements.