

POC™



Oxidation



Changeless



Selective

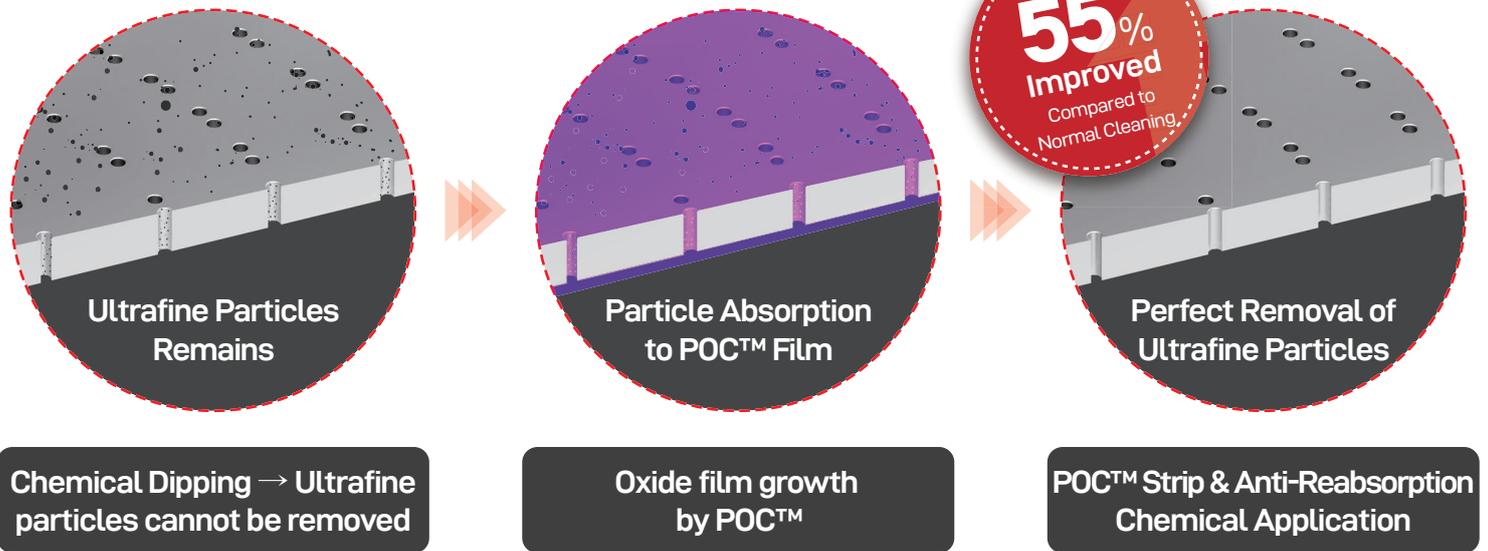


About

As technology for cleaning parts in general semiconductor processes, physical and chemical cleaning methods are applied, but conventional cleaning removes process by-products and at the same time causes problems such as etching and deformation of the substrate which shortens the lifetime of the part and reduces the yield. In addition, in the case of ultrafine particles, effective removal is difficult due to surface tension, etc.

POC™ combines process by-products and ultrafine particles with an oxide film grown through oxidation to separate them from the substrate, and then selectively removes the grown oxide film. The cleaning effect is improved by 55% compared to conventional cleaning and does not affect the substrate.

Mechanism



Merit

POC™ can selectively remove the contamination without damaging the substrate by applying POC™ film to the ultrafine particles remaining on the substrate.

