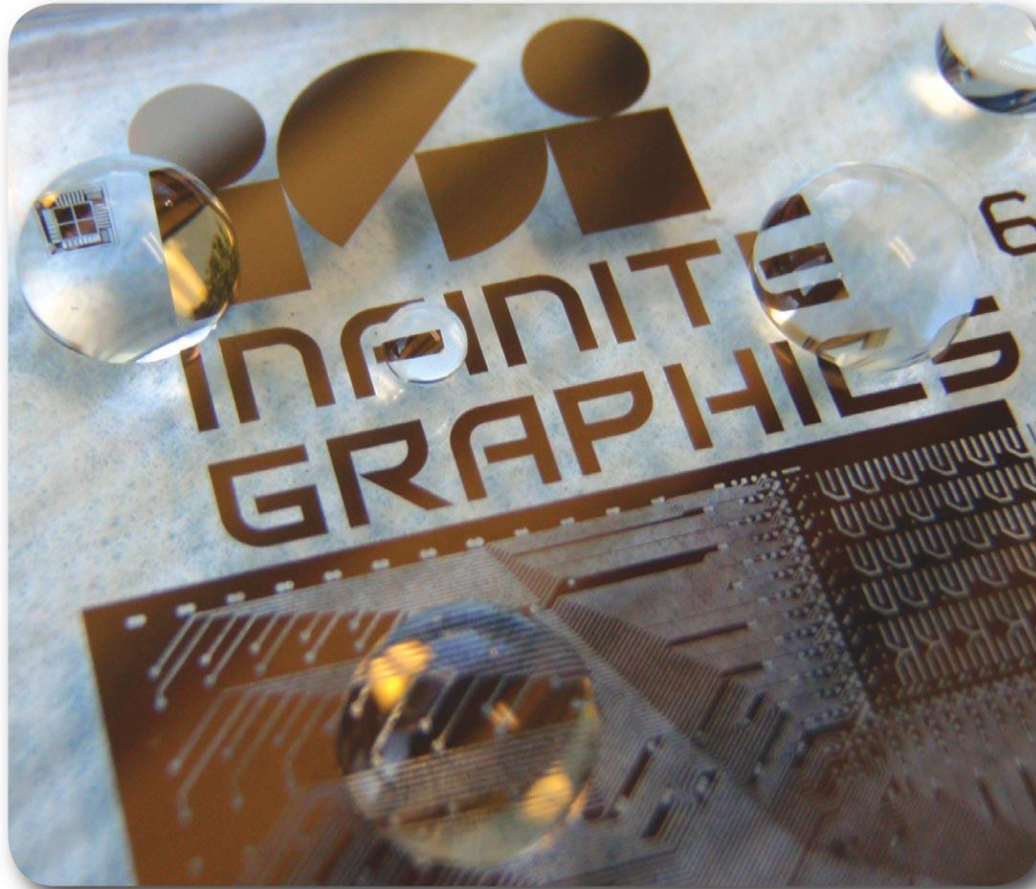


eXtended Life Photomasks

for contact & close proximity lithography



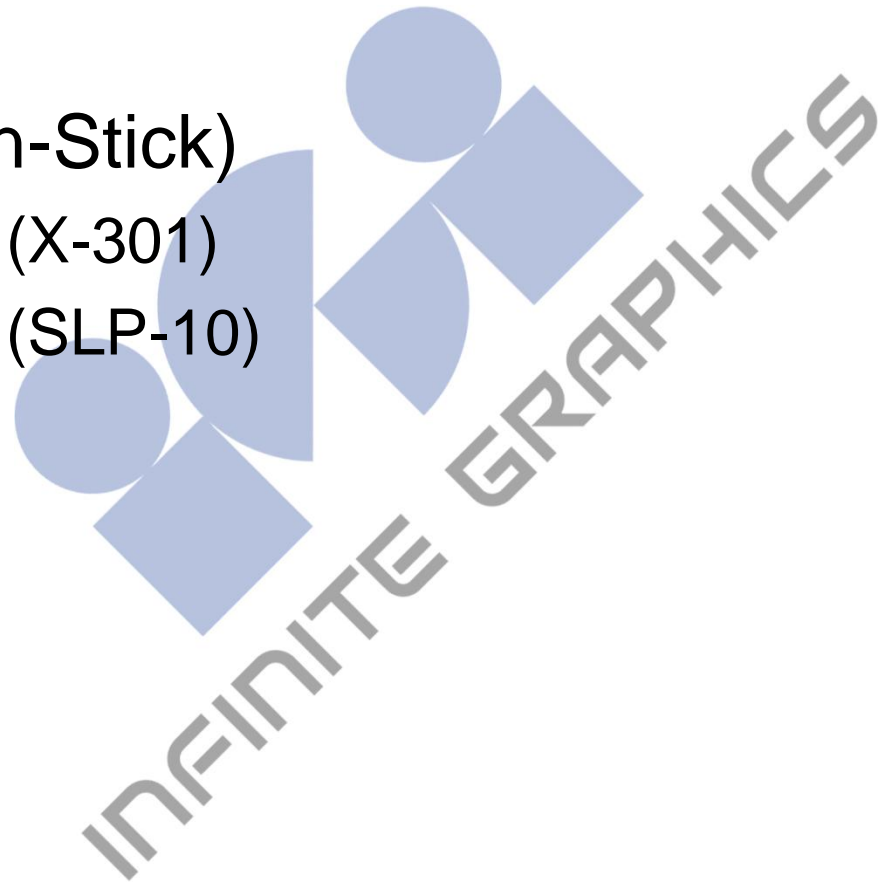
eXtended Life Photomasks

- X-301 Mask Finish
 - Anti-stiction, abrasion resistant, chemical resistant, fluoropolymer
- SLP-10 Mask Finish
 - Extreme anti-stiction fluoropolymer finish for applications with high stiction photoresists such as SU-8



Technology

- Fluoropolymers
- Optically Clear
- Low Surface Energies (Non-Stick)
 - 105° Contact Angle w/water (X-301)
 - 110° Contact Angle w/water (SLP-10)
- Thicknesses
 - X-301 < 100 nm
 - SLP-10 ~ 1µm



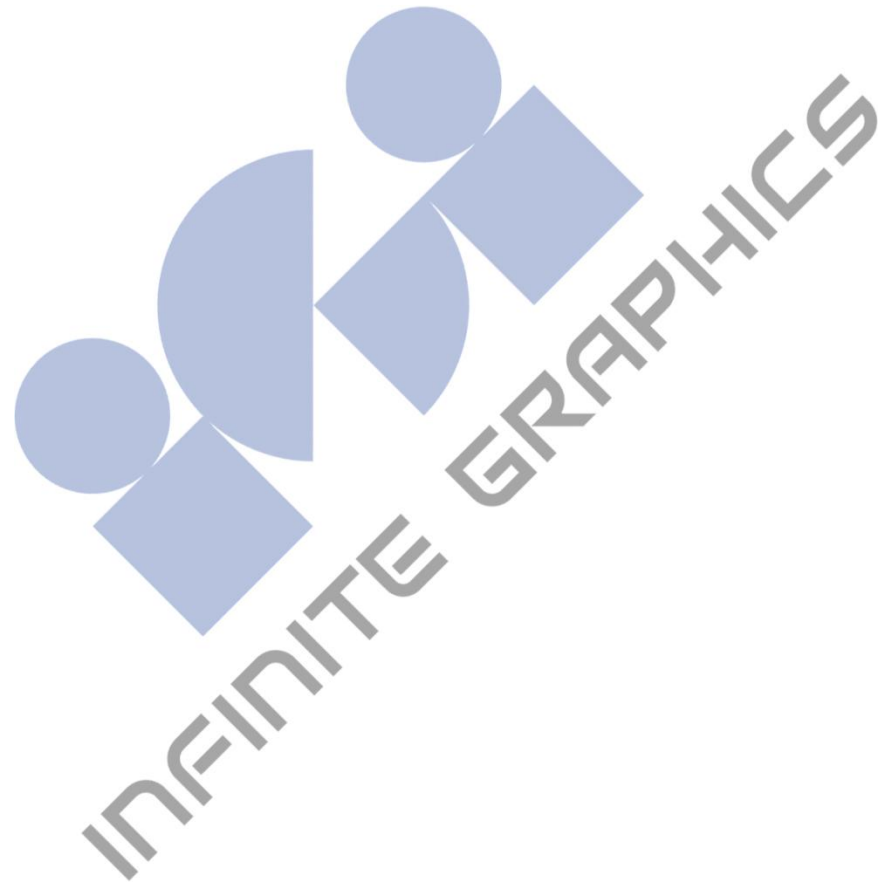
Advantages

- Easier Wafer Release
- Defects & Increase Yield
 - Reduce photoresist lift-off
 - Abrasion resistance
- Reduce Contamination
 - Repels particles
 - No photoresist build-up
- Reduce Cost & Cycle Time
 - Reduced cleaning
 - Easier cleaning
 - Chemical resistance



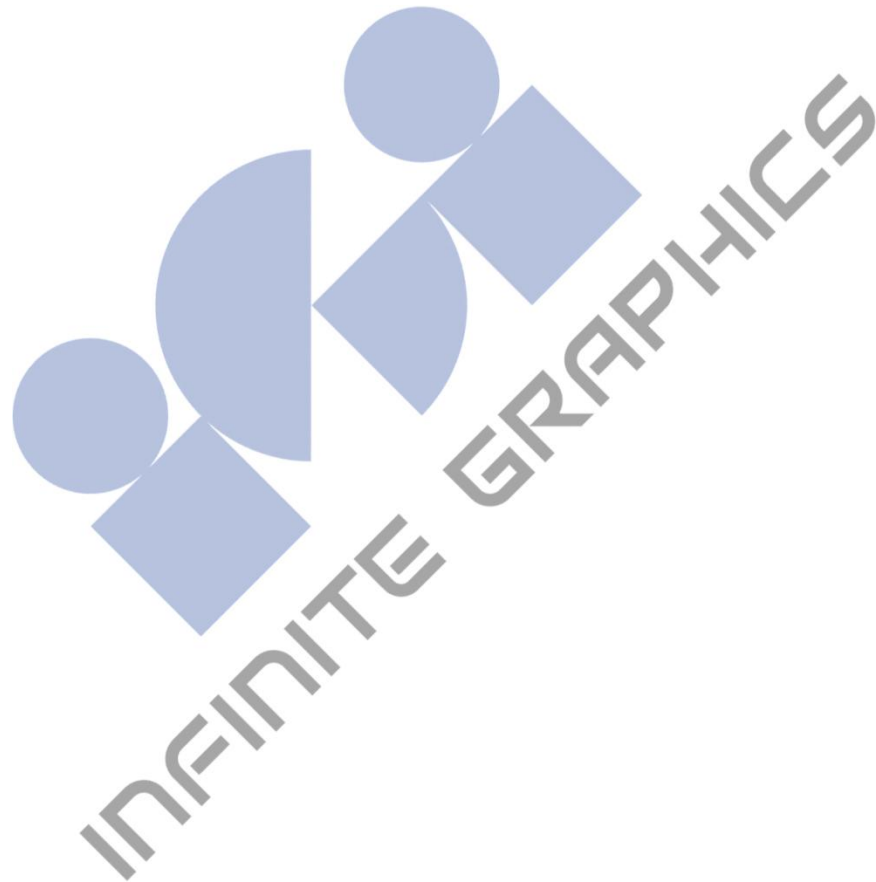
Critical Dimensions

- Testing and customer use show that there are no CD changes due to the eXtended Life coatings.



Services

- Coating
- Cleaning
- Re-Coating
- 24 to 48 hour
Standard Turn-Time



Difficult is routine,
Impossible just takes a little longer



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