



Overview of the PL Process

- Surface Preparation
- Spin Coating
- Pre-Bake (Soft Bake)
- Alignment
- Exposure
- Development
- Post-Bake (Hard Bake)
- Processing (thin-film deposition or etching, etc.)
- Photoresist Stripping
- Post Processing Cleaning (Ashing)

































Process Recipes	
S 	 -1813 example process (B. Nilsson, MC2) Clean substrate Spin spacer layer LOL-2000 @ 3000 rpm for 200nm thickness Bake 140 C on hot plate for 5 minutes Spin resist layer S-1813 @ 4000 rpm for 1.3 um thickness Bake 110 C on hot plate for 2 minutes Expose through pattern mask, 4 45s @ 2.45 mW/cm2 (110 mJ/cm^2 nominally) Cheolop in MF319 for 30 sec, CAREFUL agitation Rinse in DI water Bow dry CAREFULLY. As at 50W 250mTorr Oxygen for 30 s Deposit thin film Itt off in acetone or NMP (Remover 1165) Thyou do liftoff in acetone, do a final clean step in photoresist developer, NMP stripper, or oxygen plasma afterwards. LOL-2000 does not dissolve well in acetone. Rinse in IPA and blow dry.

























