



1. **Check Intensity:** ①Average value: 567.222 Uniformity ( $\leq 2.5\%$ ) 1.777
2. **Light source energy (mj):** ①100msec: 50.1 ②200msec: 100③: 400msec: 199.9④800msec: 400
3. **flatness test:** ①Max-Min ( $\leq 3\mu\text{m}$ ) : 2.100 Local flatness ( $\leq 1\mu\text{m}$ ) : 1.230,  
Clean stage fail,adjust loading position Y from -128800 to -128200,  
Max-Min ( $\leq 3\mu\text{m}$ ) : 1.690 Local flatness ( $\leq 1\mu\text{m}$ ) : 0.890
4. **BST test** ( $\leq 0.5\mu\text{m}$ ) : 0.074
5. **chip leveling:** ①X( $\leq 1.5\text{sec}$ ):0.036 ②: Y ( $\leq 1.5\text{sec}$ ) : -0.065
6. **STEPPING** ( $\leq 0.08\mu\text{m}$ ) :X:0.036/Y:0.030
7. **Pre-alignment:** Average (X:-14.946/Y:-9.486/T:10.402) ;  
3  $\delta$  (X:4.60/ Y:21.374/T:25.035)
8. **Reticle rotation** : abs ( $\leq 20\text{nm}$ ) : 18 3  $\delta$  ( $\leq 20\text{nm}$ ) : 3
9. **ORT** ORTM :-0.127  
ORTM90:1.085  
 $\leq 0.1$ : 0.099sec
10. **Reticle blind setting accuracy;**  
XL ( + 0.4 to + 0.8mm): 0.550(+0.4to0.8mm)  
XR ( + 0.4 to + 0.8mm): 0.560(+0.4to0.8mm)  
YL ( + 0.4 to + 0.8mm): 0.560(+0.4to0.8mm)  
YR ( + 0.4 to + 0.8mm): 0.560(+0.4to0.8mm)
11. **Distortion :**  
X MIN:68  
X MAX :55  
Y MIN :64  
Y MAX:24
12. **overlay :**  
X Mean= -15.5                      Y Mean= 8.1  
X 3  $\delta$  = 93                              Y 3  $\delta$  = 110.2  
X (Mean+3  $\delta$  ) = 108.5              Y (Mean+3  $\delta$  ) = 118.3
13. **DIS :**      MAX: X=0.037,Y=0.037      MIN: X=-0.066,Y=-0.044
14. **INC:**              UR-LL :0.181      UL-LR:-0.074