Key Features

- * Front and backside alignment capability
- * Non-contact lithography
- * Ability to place multiple lithography layers on a single reticle
- * Off-axis MVS with focus and illumination controls
- * High wafer plane irradiance
- * Simple integration with existing processes
- * Compact system footprint
- * A proven projection lithography platform in semiconductor, thin film head and Microsystems production environments

IMAGING AND LENS

Lens Option		
1.0 µm	2.0 μm	
1.0 um	2.0 um	
> = 3.0 µm	> = 10 um	
> = 14.0 um	> = 20.0 um	
< = 160 nm	< = 350 nm	
< = 3.0 %	< = 5.0 %	
30 x 15 mm		
> = 1000 mW/cm2		
390 – 450 nm Broadband		
	1.0 µm 1.0 um > = 3.0 µm > = 14.0 um < = 160 nm < = 3.0 % 30 x 18 > = 1000 nm	

ALIGNMENT SYSTEM

MVS Alignment (site by site, 100% front side)	< = +/- 150 nm	< = +/- 250 nm
DSA Alignment (Enhanced global alignment, back side)	< = 2.0 um (3 sigma)	< = 3.0 um (3 sigma)
Alignment Spectrum	530 - 570 nm, Broadband	

THROUGHPUT (wafers per hour at 100 mJ/cm2 , front side align)

100 mm Wafer	85 wph	85 wph
125 mm Wafer	51 wph	51 wph
150 mm Wafer	42 wph	42 wph

RETICLE

Substrate Type	3 x 5 x 0.090 inch quartz	5 x 5 x 0.090 inch quartz
Fields per Reticle Row	2 – 4	2 - 4