

Impact Category										2006-07-21				
Wafer Machine Cosmetic											Golden Configuration	Fab 1 - ASM15 (Ser. # 4416)		
	Defects	Process	Reliability	Safety	Operation	Recipe	PM							
								Critical H/W&S/W Commonality Component	Description/Quantity	Part#	Description/Quantity	Part#		
								SOFTWARE / COMPUTER / NETWORKING						
					x			Computer	Sun UltraSPARC 10	STD	Sun UltraSPARC 10	STD		
			x	x	x		x	Software	4.0.0	4.0.0	3.4.0C	3.4.0C		
								Ethernet	10-MB/sec twisted pair (RF45)	STD	10-MB/sec twisted pair (RF45)	STD		
					x			Hard Drive Memory	2.1GByte Fast SCSI-2	STD	2.1GByte Fast SCSI-2	STD		
					x			Tape Streamer	Software Backup System	9428 999 61510	Software Backup System	9428 999 61510		
								Dose Mapper APC	Enable Dose Mapper in Prod.	9428.999.74280	None			
								Image Tuner	Imaging enhancement	9428.998.11075	None			
								CONFIGURATION OPTIONS						
					x			SECS Remote Stepper Control	Auto Downloading of Jobs	9428 999 61100	Auto Downloading of Jobs	9428 999 61100		
		x			x			Image Quality Control	(TIS) Image Sensor	STD	(TIS) Image Sensor	STD		
		x			x			Advanced Reticle Management System (ARMS)	2 Reticle Pod Capability	STD	2 Reticle Pod Capability	STD		
		x						Reticle Error Compensation	Correct Write Errors	STD	Correct Write Errors	STD		
					x			Integrated Reticle Library	Reticle Library	9428.999.66230	None			
		x						Batch Streaming	Multiple Batch Setup	STD	Multiple Batch Setup	STD		
		x						XPA Alignment	Improved Alignment	STD	Improved Alignment	STD		
		x						SPM Alignment	Improved Alignment	STD	Improved Alignment	STD		
		x						FOCAL Adjustment	Focus/FPD/AST Setup	STD	Focus/FPD/AST Setup	STD		
		x						Mark Sensor	Prealignment	STD	Prealignment	STD		
		x						Flatness Modeling	Modeling Software	STD	Modeling Software	STD		
		x						AERIAL II Illuminator	Optics/Software/NA Control	STD	Optics/Software/NA Control	STD		
		x						Extended Exposure	Single image multi-exposure	STD	Single image multi-exposure	STD		
		x						Reticle CD Control	Mask CD Error Correction	STD	Mask CD Error Correction	STD		
								Mark Sensor	Mark Sensor	9428-999-66290	Mark Sensor	9428-999-66290		
		x	x		x			Improved Overlay for Scanners (IOSc)	Overlay improvement	STD	Overlay improvement	STD		
			x		x			ATHENA Alignment	Off Axis Alignment	STD	Off Axis Alignment	STD		
		x						Reticle Blue Align	Align Reticle to Wafer Stage	STD	Align Reticle to Wafer Stage	STD		
		x						QUASAR	Illumination Setting	9428 999 61910	Illumination Setting	9428 999 61910		
		x						DOE Multipole-2 193-90-X	DOE	9428-999-66800	DOE	9428-999-66800		
		x						DOE Low Sigma 193	DOE	9428-999-66790	DOE	9428-999-66790		
		x						Reticle	BA-Raster	9428-999-64580	BA-Raster	9428-999-64580		
		x						Reticle	BA-Mosaic	94280-999-68640	BA-Mosaic	94280-999-68640		
		x						Reticle	SOMO Lenses	94280-999-68650	SOMO Lenses	94280-999-68650		
		x						Reticle	TwinScan Reticle Set	9428-999-68880	TwinScan Reticle Set	9428-999-68880		
								Reticle	BA-IMAGIN-80-HV	9428.999.68890	None			
								HARDWARE OPTIONS						
		x			x			E-Chuck	Continuous Clamping	STD	Continuous Clamping	STD		
		x						Projection Lens Purge Hood	Purge Hood	STD	Purge Hood	STD		
								ENVIRONMENTAL CONTROL						
		x	x		x			Temp Control Unit (TCU) and Controller	S&T + ACC 2500W	STD	S&T + ACC 2500W	STD		
	x	x	x		x			Sag Corrector	Sag Corrector 90KVA	9428-999-68920	Sag Corrector 90KVA	9428-999-68920		
	x	x	x					Air Filtration Unit	ESI E3000 Hybrid	9428-999-68540	ESI E3000 Hybrid	9428-999-68540		
	x		x		x			Power Line Conditioner	Line Cond 90KVA 480VAC	9428-999-68960	Line Cond 90KVA 480VAC	9428-999-68960		
								TRACK INTERFACE / WTS CONFIGURATION						
					x			DNS	DNS RF ³ Interface	9428-999-73800	DNS RF ³ Interface	9428-999-73800		
					x			Stepper Wafer Transport Configuration	2Port / 2Pedestal	9428-999-6620	2Port / 2Pedestal	9428-999-6620		
					x			WaferSwitch = 200mm Chuck	200mm & 300mm	9428-999-52330	200mm & 300mm	9428-999-52330		
						x		Bar Code	24 character BarCode (AT)	9428-999-72680	24 character BarCode (AT)	9428-999-75680		
		x	x		x			Eximer Laser	Gigaphoton G42A4	Option	Gigaphoton G42A4	Option		
								Lens Type	Zeiss 193nm 4x double telecentric	STD	Zeiss 193nm 4x double telecentric	STD		
	x	x	x		x			Lens Purge	He(99.5%), O ₂ (0.5%)	STD	He(99.5%), O ₂ (0.5%)	STD		
								ALARM						
					x			SignAll	Visual Alert System	9428 999 61590	Visual Alert System	9428 999 61590		
COMMONALITY								47						

