No	Unit	Inspected Item
1	Console	Console
		Main Version
		Front Console - Touch Screen
		Front Console - USB Port
		Front Console - Keyboard
		Front Console - Mouse
		Side Console - Touch Screen
		Side Console - USB Port
		Side Console - Keyboard
		Side Console - Mouse
2	RS Modul	(Uniformer)
		EX A Scope
		R/S Laser Head
		RA Unit
		PRA Unit
		Reticle Scan Stage
		PCB, Part Missing
3	PO Modul	U-Lens
		OAS (OA Scope)
		Scan OPTF Unit
		W/S Laser Head
		Chuck Maintenance Unit
4	WS Modu	Wafer Chuck
		Wafer Stage Part Missing
5	BOOTH2	A/F Type
		W/F size
		W/F Type
		Inline Relay Unit (FOUP Unit)
		Inline Unit (WTC)
		Open Cassette
		SCH ROBOT
6	BOOTH2	PA Unit
		RCV Station
		SH Hand
		RH Hand
7	BOOTH2	R/C Type
		Cassette Type

		SMIF POD
		RTH Robot (Reticle Robot)
		Reticle Stocker
		Barcode Reader
		PPC
8	Machine F	Upper C-Rack
		Lower C-Rack
		ALS Unit
		Incohirent
		Beam 도입부
9	BOOTH1	J-BOX L
		J-BOX R
		EWS
10	CPSU	Type
		Part Missing
		S/N
11	LASER	Maker
		Model
		S/N
		Vintage

Lens performance data when the equipment was still

Item	Condition	Specification	
1.Image Quality			
1	Open Fra	NA0.85 σ0.80	
2. Distortion Performance			
		NA0.86 σ0.85	
1	Distortion	Up Scan	
	DY		4.3
	NA0.86 σ(		
	Down Sca	DX	
	DY		-8.6
	NA0.86 Ar		
	(0.88 / 0.(		
	Up Scan	DX	
	DY		4.4
	NA0.86 Ar		
	(0.88 / 0.(		
	Down Sca	DX	
	DY		6.4

	NA0.86 C- (0.88 / 0. Up Sccan	DX		
	DY			4.3
	NA0.86 C- (0.88 / 0. Down Scc	DX		
	DY			6.4
	NA0.86 σ(Up Scan	DX		
	DY			5.7
	NA0.86 σ(Down Sca	DX		
	DY			5.4
	Illuminatic Difference	σ0.40 vs		
2		Annular (0.88 / 0.64)		
	DY			1.1
	C-Quad (vs Annular (	DX		
	DY			0.7
	σ0.40 vs C-Quad (	DX		
	DY			1.3

Item	Condition	Specification

3. Illumination Performance

1	Illuminatic	NA0.86 σ0.85	
	NA0.86 σ(	-	
	NA0.86 A (0.88 / 0.	-	
	NA0.86 C- (0.88 / 0.	-	

2 Illuminatic NA0.86 σ0.85

NA0.86 σ(
NA0.86 Ai
(0.88 / 0.(
NA0.86 Ai
(0.93 / 0.
NA0.78 Ai
(0.85 / 0.
NA0.86 C-
(0.88 / 0.(

	Leveling D	
2	Measuren	-
3	Wafer Chu	-
	TTV	$\leqq 1.0\,\mu\mathrm{m}$
	ALFC Mea	
4	Repeatab	-

Item	Condition	Specification
6. X-Y Stage Performance		
1	Stepping A	NA0.86 σ0.80
	X2-X	3.4
	X3-X	3.5
	X1-Y	7.3
	X2-Y	7.2
	X3-Y	6.7
	Y1-X	4.5
	Y2-X	4.4
	Y3-X	4.5
	Y1-Y	6.8
	Y2-Y	6.4
	Y3-Y	6.4
2	Stepping I	NA0.86 σ0.80
	Y	4.1
3	Scaling Ac	-
	Y	-0.01
4	Orthogona	-
7. Prealignment Performance		

	Mechanic			
	Prealignm			
1	(Normal)	-		
	Y			4.5
	θ	3σ≦120μrad		
2	TV Prealig	-		
	Y			0.2
	θ	Range≦5μrad		

8. Throughput Performance

		NA0.86 σ0.80		
1	Throughp	187shot		
2	Reticle Ch	-		

Item	Condition	Specification		

9. Reliability

1	Wafer Cyc	-		
2	Reticle Cy	-		

10.Others

	Scan Syn	ScanSpeed		
1	Accuracy	= 500mm/sec		
	Y			1.1
	MSD	X		
	Y			2.8
2	Wafer Par	-		
	Pellicle Particle			
3	Checker	Sensitivity		
	Pellicle Si	20μm		
	Repeatab	-		
	Pellicle Si	≧95%		
	Measurement area	-		
	Pellicle Si	102×134mm		
	Reticle Di			

4 Inspectior

	Check Result
Linux Console, e-console	e-console
V**.***	-
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Model	Zygo 7714
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Model	Zygo 7714
Missing, No Missing	No Missing Parts
Pin, Ring Chuck	Pin Type Chuck
Missing, No Missing	No Missing Parts
R Type, L Type	R Type (Front)
8, 12"	12 Inch
Notch, Flat	Notch
Yes, No	Yes (Relay Unit)
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
6INCH, 5INCH	6INCH
SMIF, CANON, NIKON	SMIF

Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Yes, No	Yes
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
Missing, No Missing	No Missing Parts
2 or 3 Division	2 Division
Missing, No Missing	No Missing

Cymer, GIGAPHOTON

GIGAPHOTON
G41K3-1

JUN, 2004

installed:-

Result	Judge		
1.02ETH	No Dark Spot	No Dark Spot	
DX	≦±11nm		8.9
≦±11nm		9	OK
≦±11nm		8.5	OK
≦±11nm		8	OK

≦±11nm		8.8	OK
≦±11nm		8.6	OK
≦±11nm		9.8	OK
≦±11nm		9.9	OK
DX	≦±7nm		1.6
≦±6nm		3.6	OK
≦±6nm		2.5	OK

#4078318

Result	Judge		
-	≧36000w/㎡		46341.5
≧36000w/㎡		46957.9	OK
≧31000w/㎡		44198.9	OK
≧20000w/㎡		29012.2	OK
	NA0.86 Annular (0.93 / 0.74) NA0.78 Annular	-	

	(0.85 / 0.57) NA0.70 Annular	-	
	(0.85 / 0.55) NA0.80 Quad	-	
	(0.88 / 0.67 25deg) NA0.80 Quad	-	
	(0.85 / 0.55 25deg) NA0.80 Quad	-	
	(0.80 / 0.55 25deg) NA0.80 C-Quad	-	
	(0.90 / 0.70 60deg) NA0.80 C-Quad	-	
	(0.92 / 0.72 60deg) NA0.80 Dipole X	-	
	(0.89 / 0.59 90deg) NA0.80 Dipole Y	-	
	(0.89 / 0.65 90deg) NA0.80 Dipole Y	-	
	(0.85 / 0.55 90deg)	-	
-	≦0.7%		0.26
≦0.7%		0.29	OK
≦0.7%		0.35	OK
≦0.7%		0.16	OK
≦0.8%		0.34	OK
≦0.7%		0.29	OK
	NA0.70 Annular		
	(0.85 / 0.55) NA0.80 Quad	-	
	(0.88 / 0.67 25deg) NA0.80 Quad	-	
	(0.85 / 0.55 25deg) NA0.80 Quad	-	
	(0.80 / 0.55 25deg) NA0.80 C-Quad	-	

	(0.90 / 0.70 60deg) NA0.80 C-Quad (0.92 / 0.72 60deg) NA0.80 Dipole X (0.89 / 0.59 90deg) NA0.80 Dipole Y (0.89 / 0.65 90deg) NA0.80 Dipole Y (0.85 / 0.55 90deg)	-
-	3σ≦2.0ppm	1.7
LTV(26×8mm)	≦0.1μm	0.093
0.94	OK	
L/R Average	3σ≦30nm	12.2
#4078318		
Result	Judge	
X1-X	3σ≦10nm	5
X	3σ≦8nm	3.3
OK		
X	≦±0.1ppm	-0.01
-	≦±0.1ppm	-0.01

X	3σ≦20μm	5.1
	17 OK	
X	Range ≦1.5μm	0.1
	0.4 OK	
Exposure 500J/m2	≧68w/h	68.7
-	≦15sec	13.8
#4078318 Result	Judge	
≧500Wafers	No Trouble	No Trouble
≧200Reticles	No Trouble	No Trouble
MA	X	≦3nm
≦7nm	5.2 OK	
30shot	10particles /≧0.2μm	6.6
-	Blank Side	15μm
20um		
Blank Side	≧95%	98.7
	99.8	
Blank Side 102×134mm	102×134mm	102×134mm

Xr ≦3nm 2

OK

OK

OK

OK

≧25000w/ 37147.7 OK

≧31000w/	44352.1	OK
≧31000w/	45331	OK
≧7000w/r	10881.2	OK
≧8500w/r	12564.5	OK
≧8500w/r	12632.2	OK
≧17000w/	25452.6	OK
≧17000w/	25451.2	OK
≧15000w/	22014.4	OK
≧15000w/	21986.2	OK
≧15000W	22427.3	OK

OK

≦0.7%	0.16	OK
≦0.7%	0.35	OK
≦0.7%	0.24	OK
≦0.7%	0.26	OK

$\leqq 0.7\%$	0.38	OK
$\leqq 0.7\%$	0.36	OK
$\leqq 0.7\%$	0.41	OK
$\leqq 0.7\%$	0.21	OK
$\leqq 0.7\%$	0.15	OK

OK

OK

OK

OK

OK

OK

OK

OK

OK

OK

OK

OK

OK

1.5 OK

OK

15um OK

OK

OK

OK