

Transaction Information

Tool ID	LKSC761
Tool Status	Connected
Location	Woodlands, Singapore
Wafer Size	300 mm
Fab Section	Lithography
Tool Available Date	2024-06-01

General Product Information

Vendor Supplier	NIKON
Model	NSR-208D
Vintage	2008
Serial No	8732041
Asset Description	NIKON Main Body
Software Version	MCSW ver.180-P12/OCSW ver.180-P10
CIM	SECS
Process	kRF

Hardware Configuration (Fab)

System Type	Description	Quantity	Status
Main System	Main Body	1	OK
Handler System	External Foup System	1	OK
Options System			
Others			

Hardware Configuration (Subfab / Auxilliary Units)

Description	Quantity	Status
Air Conditioner	1	OK
Gigaphoton laser(GP Laser)	1	OK
Amp Rack	1	OK
Temperature Controller	1	OK

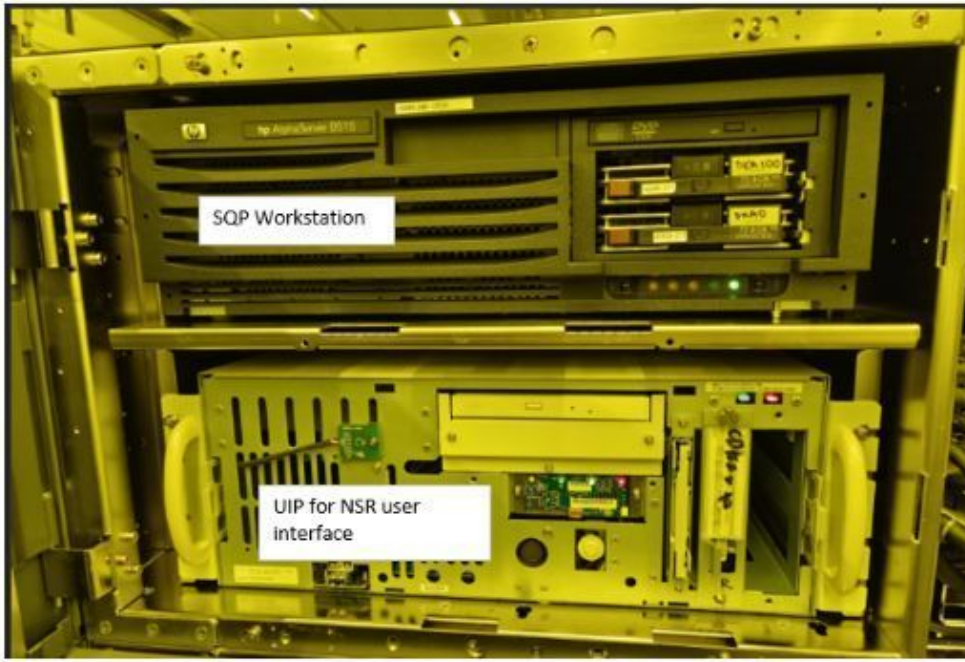
Missing/Faulty Parts / Accesories List

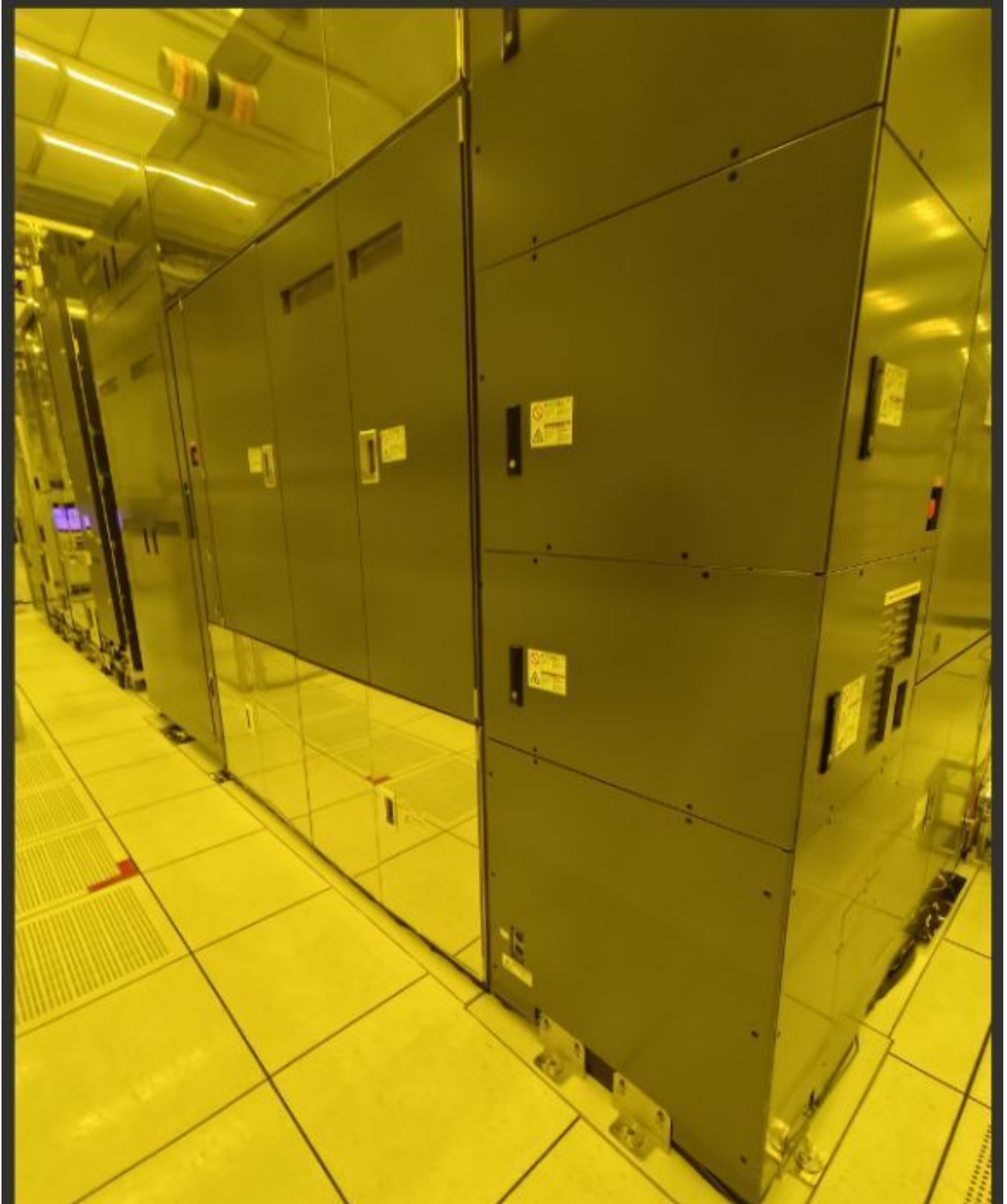
Description	Quantity
NONE	

Tool Pictures

General

Main Body







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General

Main Body

NSR-S208D MCSW.ver.180-P12 13:33:24 EGA -End
 Equip. ID : LKSC761 OCSW.ver.180-P10 13:33:24 Wafer alignment -End
 13:33:24 Exposure -Start
 13:33:24 Exposure Condition Setup -Start
 13:33:25 Exposure Condition Setup -End
 13:33:26 Exposure Condition Setup -Start
 13:33:26 Exposure Condition Setup -End

Nikon Operator Name: **FIELDSERVICE** Login/Logout
 Online Mode: **Online/Remote** Online/Offline

Help

Job Manager Job History Task Scheduler

Queue Lock Unlocked [Up] [Down] [Left] [Right] Edit Show Order

Status	Job ID	Folder or Job Type	Recipe	Sub
PROCESSING	QB31QW.0000	user/FN57Z	BP.exp_rcp	
QUEUED/POOL...	QB30WT.0000			
QUEUED/POOL...	QB30UU.0000			

TagList file Version Check Form

TagList File Version Check

Con...	File Create Ver...	NSR Version	judge
mcsw	180	180-p12	lower
acsw	180	180-p10	lower
body	body-_x601-061...	body-_x601-110...	lower
bsac	bsac-_x601-06...	bsac-ex602-09...	lower
chmb	chmb-_x601-08...	chmb-_x601-08...	lower
gio_	gio_-_x601-061...	gio_-_x601-100...	lower
ilmn	ilmn-ex601-061...	ilmn-ex601-100...	lower
lens	lens-xx601-061...	lens-xx601-100...	lower
ridr	ridr-_x601-0609...	ridr-_x601-1008...	lower
widr	widr-_x601-060...	widr-_x601-110...	lower

Job Menu Job Summary Align

Count: **7 / L.E.**

Processed: **6**

Failed: **0**

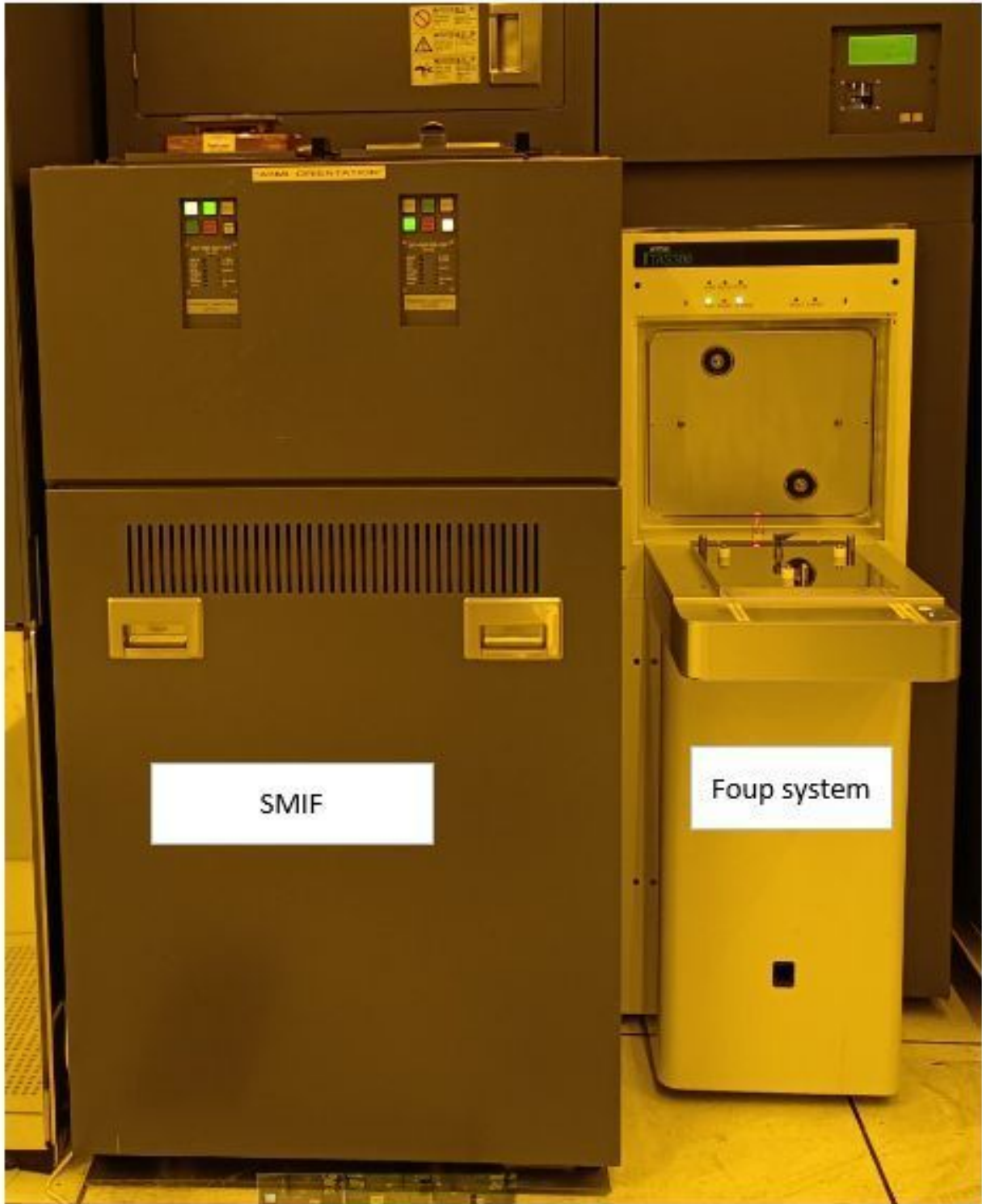
Preparations

Self Check

Illum. Cond. Change

77+	78+	79+	80+
76+	75+	74+	73+
72+	71+		
51+	52+	53+	54+
		55+	56+





Hardware Sub-fab

GPLaser/AmpRack/TempController/
AirConditioner



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Hardware Sub-fab

GPLaser/AmpRack/TempController/
AirConditioner

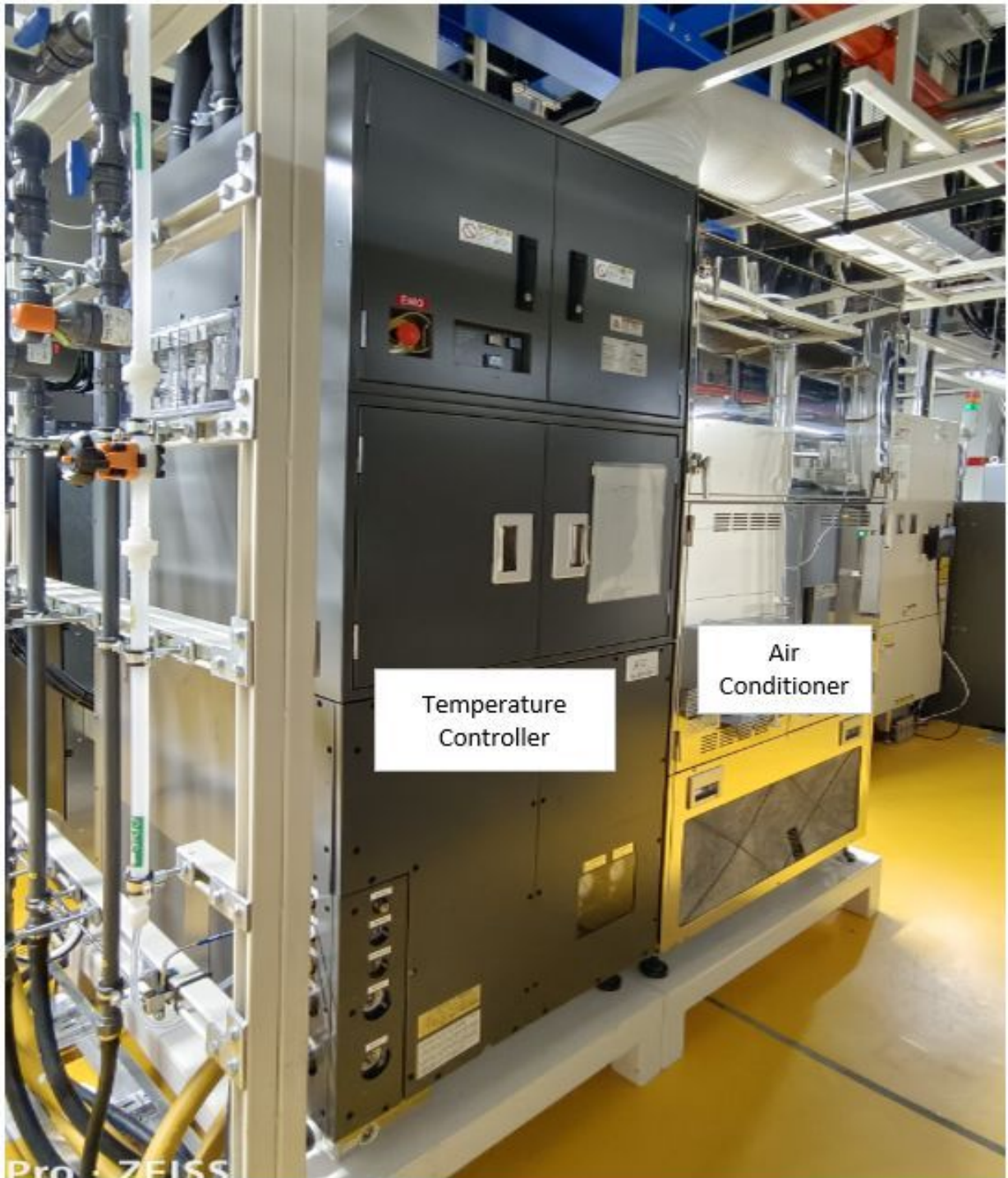


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Hardware Sub-fab

GPLaser/AmpRack/TempController/
AirConditioner



Manufacture Serial

Serial Number Plate

LKSC 761
PLIP0083 (F7-LITHO)



GLOBALFOUNDRIES
248nm KrF S208 scanner (non critical)
Asset-Number: PLIP0083_M(07)
Equipment-ID:
LKSC761

No.8732041

EMO

Additional Configuration Files

Machine ID:LKNL761			
Reticle Blind		Setting value	29/7/2023
XM Outside		400 ~ 800 um	600
XP Inside		400 ~ 800 um	500
YM Outside		400 ~ 800 um	650
YP Inside		400 ~ 800 um	600
Lens performance Data			
Illumination Check		Setting value	29/7/2023
ID1	Uniformity	$\leq 0.8 \%$	0.314
	Power	$> 3000 \text{ mw/cm}^2$	3426
ID13	Uniformity	$\leq 0.8 \%$	0.429
	Power	$> 3000 \text{ mw/cm}^2$	3400
ID15	Uniformity	$\leq 0.8 \%$	0.425
	Power	$> 3000 \text{ mw/cm}^2$	3402
ID17	Uniformity	$\leq 0.8 \%$	0.592
	Power	$> 3000 \text{ mw/cm}^2$	3402
ID21	Uniformity	$\leq 0.8 \%$	0.265
	Power	$> 3000 \text{ mw/cm}^2$	3482
Wafer Stage Mirror Bow		Setting value	29/7/2023
Upper	Sub value X	$\leq 8 \text{ nm}$	1.039
	Sub value Y	$\leq 8 \text{ nm}$	3.893
Lower	Sub value X	$\leq 8 \text{ nm}$	1.926
	Sub value Y	$\leq 8 \text{ nm}$	3.993
Twist	Sub value X	$\leq 8 \text{ nm}$	12.911
	sub value Y	$\leq 8 \text{ nm}$	5.503
		Setting value	29/7/2023
Projection Lens Image Plane	Angle X	$0 \pm 1 \text{ urad}$	0.186
	Angle Y	$0 \pm 3 \text{ urad}$	-0.983
Field Inclination TFD	max - min	$\leq 0.080 \text{ um}$	0.051
	All reading have?	Yes / No	YES
Flare check(Please inform EE when $E0 \leq 240 \text{mj}$)	E0	$\geq 240 \text{ mj}$	420
Best Focus		$0 \pm 0.015 \text{ um}$	0.005
Wafer Loader Repeatability (Front)		Setting value	29/7/2023
Y 3Sigma		For reference only	6.187
Rot 3Sigma		For reference only	113.216
X 3Sigma		For reference only	8.776
Rot mean		For reference only	74.224
Y mean		For reference only	-2.779
X mean		For reference only	22.681
FIA Overlay Matching		Setting value	29/7/2023

Residual X 3Sigma		< 20nm	14.8
Residual Y 3Sigma		< 20nm	11.4
Plus/Minus Difference X		< 10nm	5.4
Plus/Minus Difference Y		< 10nm	5.2