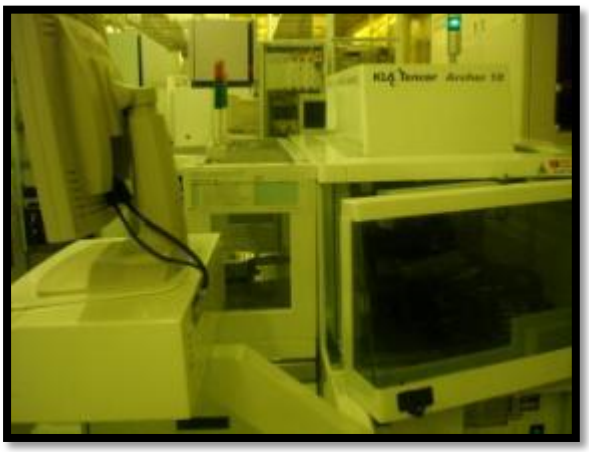
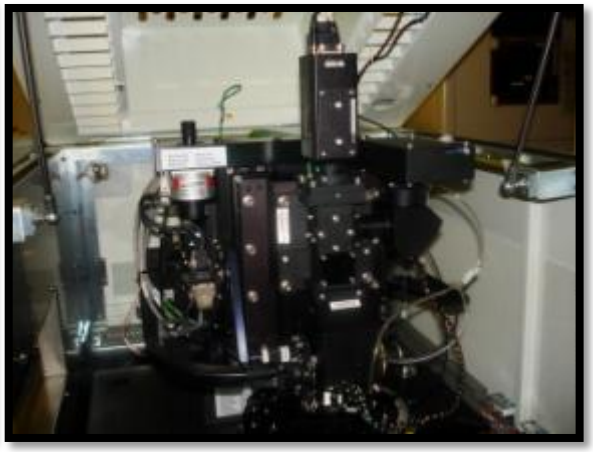
EQUIPMENT DATASHEET

KLA TENCOR – ACHER10





Tool ID	M7POL401	**OEM/Model**	KLA TENCOR ACHER10
Serial Number	3116	**Process**	METROLOGY - OVERLAY
Vintage	January, 2004	**Wafer Size**	200 mm

. Install Type: Stand-Alone
. System sw version : 3.10.06sp6
. Run daily pm Test : PZT P High voltage, PZT Z gain,PZT Z feedback
. Halogen Light Source.
. Replace Halogen lamp(HLS), P/N 127-483105-000
. PDA Gain X,Y Axis
. Wafer Surface focus and Analysis patened.
. LINNIk camera uniformity , AMS camera uniformity
. Check shutter response time.
. Fringes ON to OFF mean time , Fringes OFF to ON mean time
. GEM/SECS
. Line Conditioner, 60Hz
Power Requirements: V 208/230, 3-Phase/1-Phase, 50/60 Hz
. RDM(Recipe database Manager) software of measurement recipes.
. Archer Computer C.D Drive , KLASS Computer C Drive

1. Run daily PM Test 30Min

Back up Wafer Handler and Motion Parameter data. C:\whbackup, C:\klamotion

2. Halogen Light Source. 30Min

Replace Halogen lamp(HLS), P/N 127-483105-000 (X) Check Halogen Lamp Power supply output voltage. 9.862V

3.Noise Tests

AMS Camera Noise Level = 0.68	**GL**	< 3.98

4. Light Map 30Min

50 BP (LINNIK) : Pass 12K BP (AMS 12K㎛FOV) : Pass

5. PDA

PDA Gain= 2527	GL
PDA X Axis centering Current Signal= 653	
PDA Y Axis centering Current Signal= 648	

6. System. 30 Min

Check shutter response time.		
Fringes ON to OFF mean time= 65.3	**msec.**	20<x<80
Fringes OFF to ON mean time= 44.5	**msec.**	20<y<80

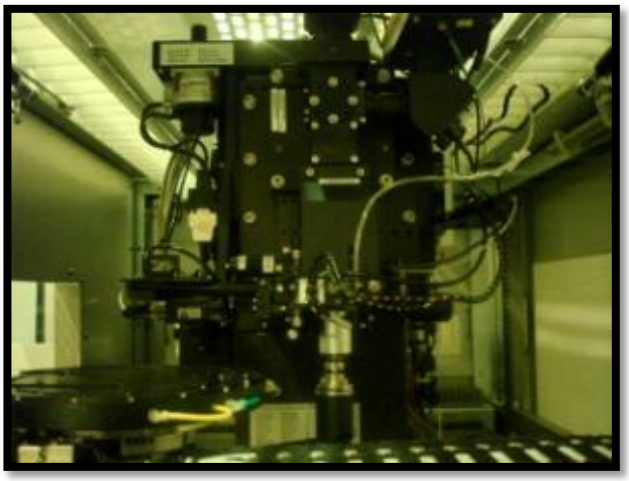
Check Translation Vector	
Coordinate X= 1848.9	μm
Coordinate Y= 61496.6	μm
Coordinate Z= 707.2	μm

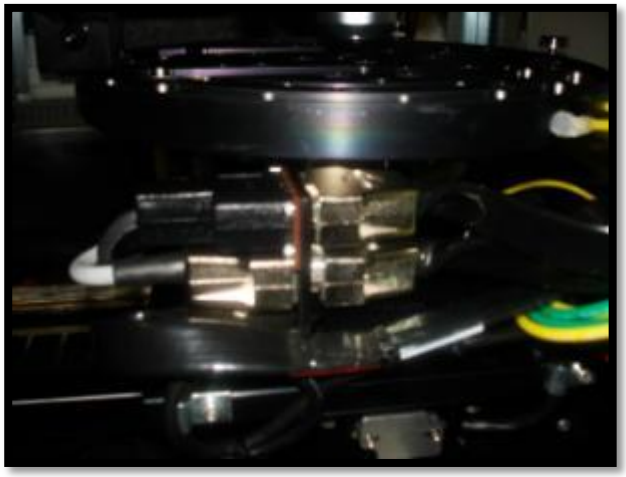
7. Post check. 30Min

Backup the Wafer handler, Motion system, and floatation module parameters data.
Backup the Archer10 system data.
Run daily PM Set.

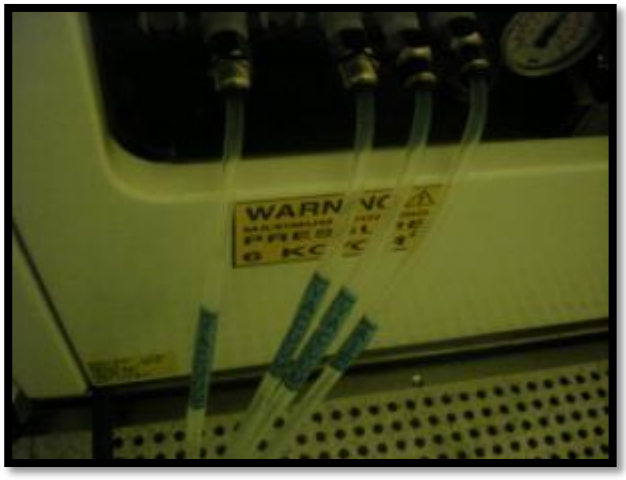
Duplicate Archer Computer C, D drive
Duplicate KLASS Computer C drive


KLA Tencor
SERVICE
MODEL NO: ARCHER 10
SERIAL NO: 3116
V: 230 VAC 208 VAC
I: 11.3 A (230V) 12.5 A (208V)
f: 50/60 Hz
Ph: 1 ø (230V) 2 ø (208V)
Main breaker rating: 13Amp
Largest load rating: 5Amp
Ampere Interrupt Capacity 10.000 A



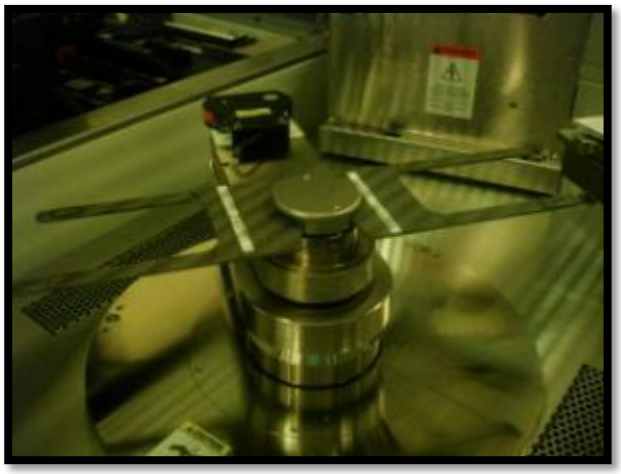


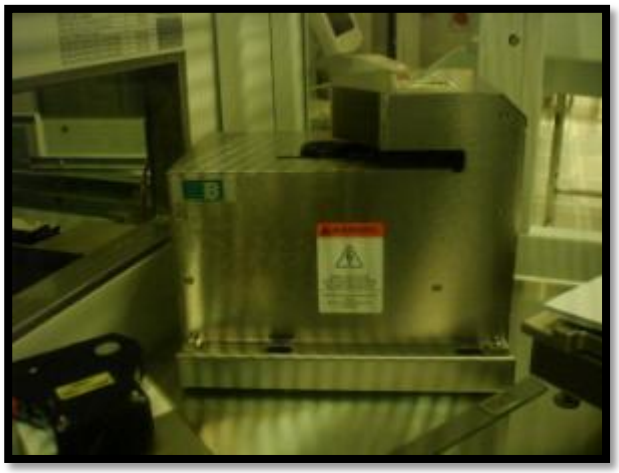

K2:0.3=70
K4:0.3=50
K8:0.3=0
K9:0.3=0
K10:0.3=0
K80:0.3=4000

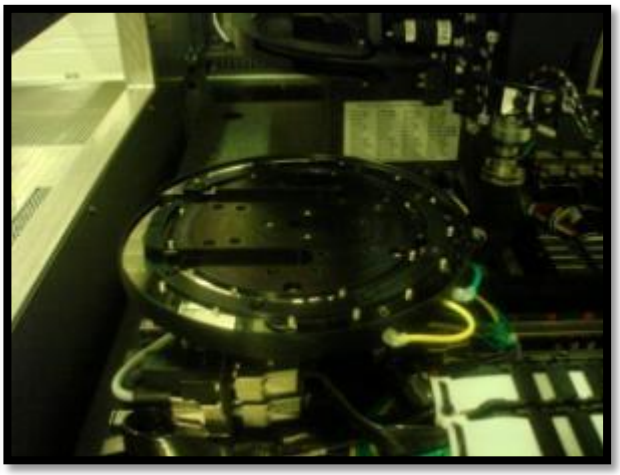


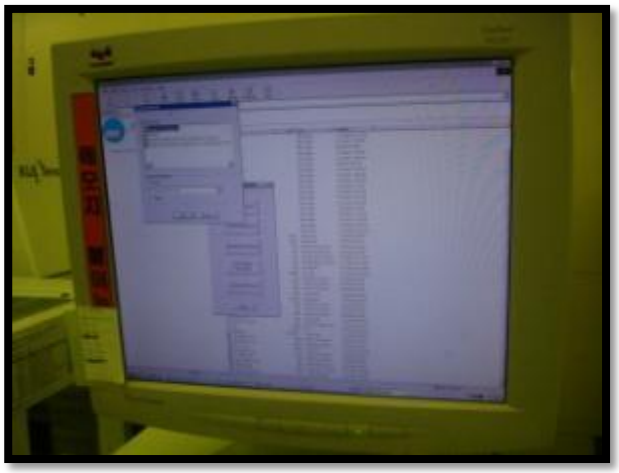

DANGER
HIGH VOLTAGE


EMERGENCY










EMERGENCY OFF


KLA Tencor Archer 10