



Alpha-8S-Z

S/N Tool1:A00009960005

S/N Tool2:A00009660261

Manufacturer: TEL
Model: Alpha-8S-Z
Process: Nitride
Wafer Size: 8"
Vintage: 1997.7
S/N Tool1: A00009960005
S/N Tool2: A00009660261

Equipment Configuration

1. System Summary

Manufacturer	TEL
Model	Alpha-8S-Z

Vintage	1999.07
Process	Nitride

2. General Information

2.1	Wafer Size	8"
2.2	Wafer Type	Flat
2.3	Signal Tower Color	4 Color(R,Y,G,B)
2.4	SMIF or I/O	I/O
2.5	Cassette Slot Q'ty	25 Slot
2.6	Cassette Storage Q'ty	16
2.7	Fork Type	1 + 4
2.8	Boat Rotation	OK

4. System Controller Specification

4.1	Main Controller	Waves
4.2	Temp Controller	570
4.3	Pressure Control	MKS 253B-3-80-2
4.4	Mecha Controller	None None
4.5	Burn Controller	None None
4.6	MFC Controller	None
4.7	ATCS(Trans-LC)	
4.8	ETC	

3. Process Gas

3.1	MFC 1	SEC-7450 N2, 20SLM
3.2	MFC 2	SEC-7440 N2, 100SCCM
3.3	MFC 3	SEC-7440 N2, 10SLM
3.4	MFC 4	SEC-7440 N2, 500SCCM
3.5	MFC 5	SEC-7440 NH3, 1SLM
3.6	MFC 6	SEC-7440 SiH2CL2, 100SCCM
3.7	MFC 7	N/A
3.8	MFC 8	N/A
3.9	MFC 9	N/A
3.10	MFM 1	SEC-7440 NH3, 1SLM
3.11	MFM 2	SEC-7440 SiH2CL2, 100SCCM
3.12	MFM 3	N/A

5. Vacuum Control

5.1	Main Valve	Angle Valve
5.2	Pressure Controller	MKS 600 series
5.3	Pressure Sensor 1	Edwards PRL-10
5.4	Pressure Swich 1	OMRON K3NX-VD2A-C2
5.5	Pressure Swich 2	PS-10V
5.6	Pressure Swich 3	SPS-8T
5.7	Pressure Gauge	PG-208-102G-3-S
5.8	Vacuum Controller	Edwards 1101

6. Heater

6.1	Model	VMM-40-101
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Alpha-8S-ZC

S/N Tool1:A00009960005

S/N Tool2:A00009660261

Manufacturer: TEL
Model: Alpha-8S-ZC
Process: Nitride
Wafer Size: 8"
S/N Tool1:A00009960005
S/N Tool2:A00009660261

Equipment Configuration

1. System Summary

Manufacturer	TEL
Model	Alpha-8S-ZC

Vintage	
Process	Nitride

2. General Information

2.1	Wafer Size	8"
2.2	Wafer Type	Flat
2.3	Signal Tower Color	4 Color(R,Y,G,B)
2.4	SMIF or I/O	I/O
2.5	Cassette Slot Q'ty	25 Slot
2.6	Cassette Storage Q'ty	16
2.7	Fork Type	1 + 4
2.8	Boat Rotation	OK

4. System Controller Specification

4.1	Main Controller	Waves
4.2	Temp Controller	None
4.3	Pressure Control	None
4.4	Mecha Controller	None
4.5	Burn Controller	None
4.6	MFC Controller	None
4.7	ATCS (Trans-LC)	None
4.8	ETC	None

3. Process Gas

3.1	MFC 1	None
3.2	MFC 2	SEC-7440 N2, 100SCCM
3.3	MFC 3	SEC-7450 N2, 15SLM
3.4	MFC 4	SEC-7440 N2, 500SCCM
3.5	MFC 5	SEC-7440 SiH2CL2, 100SCCM
3.6	MFC 6	N/A
3.7	MFC 7	N/A
3.8	MFC 8	N/A
3.9	MFC 9	N/A
3.10	MFM 1	SEC-7440 NH3, 1SLM
3.11	MFM 2	SEC-7440 SiH2CL2, 100SCCM
3.12	MFM 3	N/A

5. Vacuum Control

5.1	Main Valve	Angle Valve
5.2	Pressure Controller	MKS 600 series
5.3	Pressure Sensor 1	Edwards PRL-
5.4	Pressure Swich 1	10
5.5	Pressure Swich 2	None PS-
5.6	Pressure Swich 3	10V SPS-8T
5.7	Pressure Gauge	None
5.8	Vacuum Controller	Edwards 1101

6. Heater

6.1	Model	VMM-40-101
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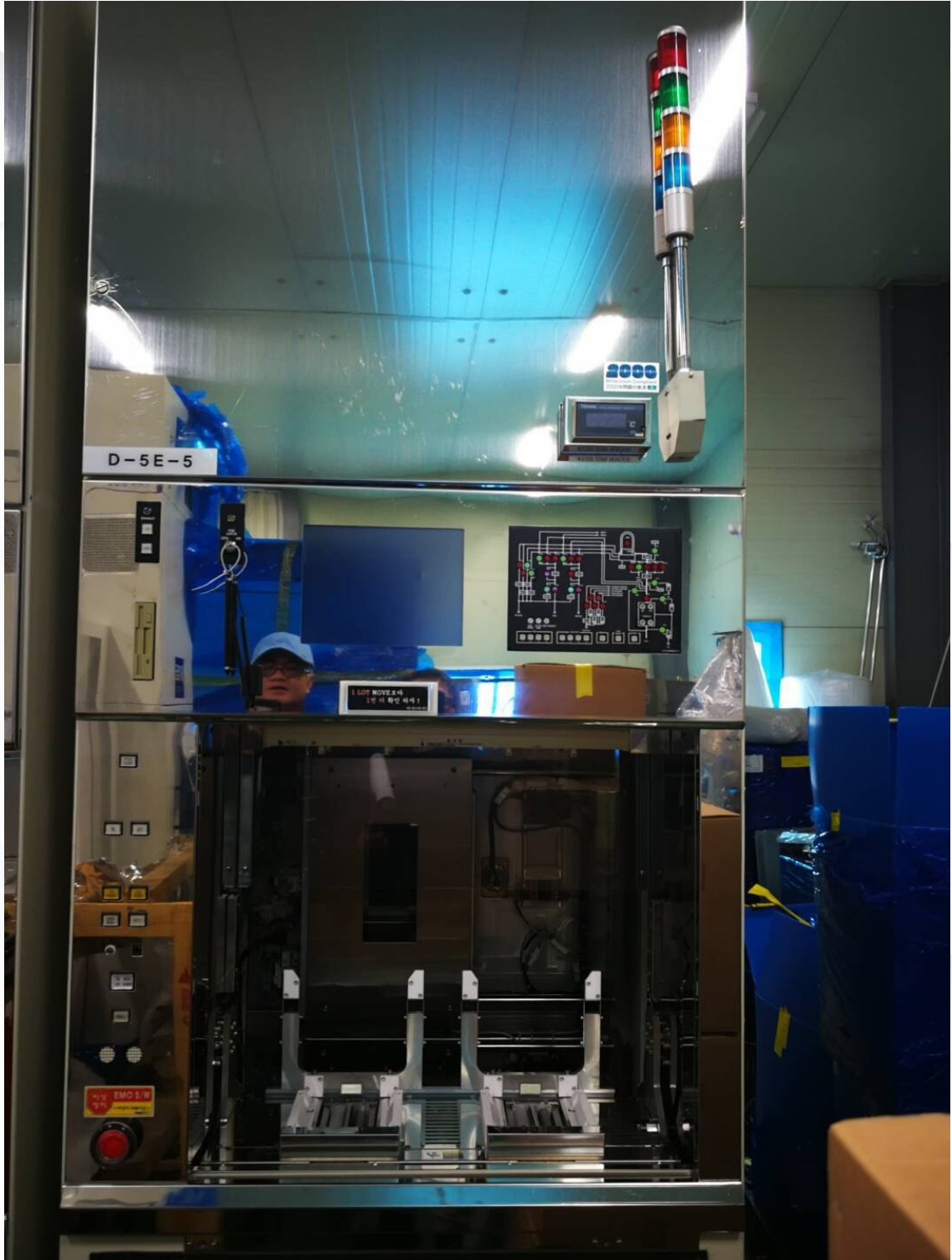


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사용 장치	Tel 808		
SERIAL NO.	AL 09945		
공정명	NIA / POLY / HLD		
초기 세정일	199 9 . 3 . 31		
폐기 주기	10년		
횟수	세정일	장착일	KEY NO
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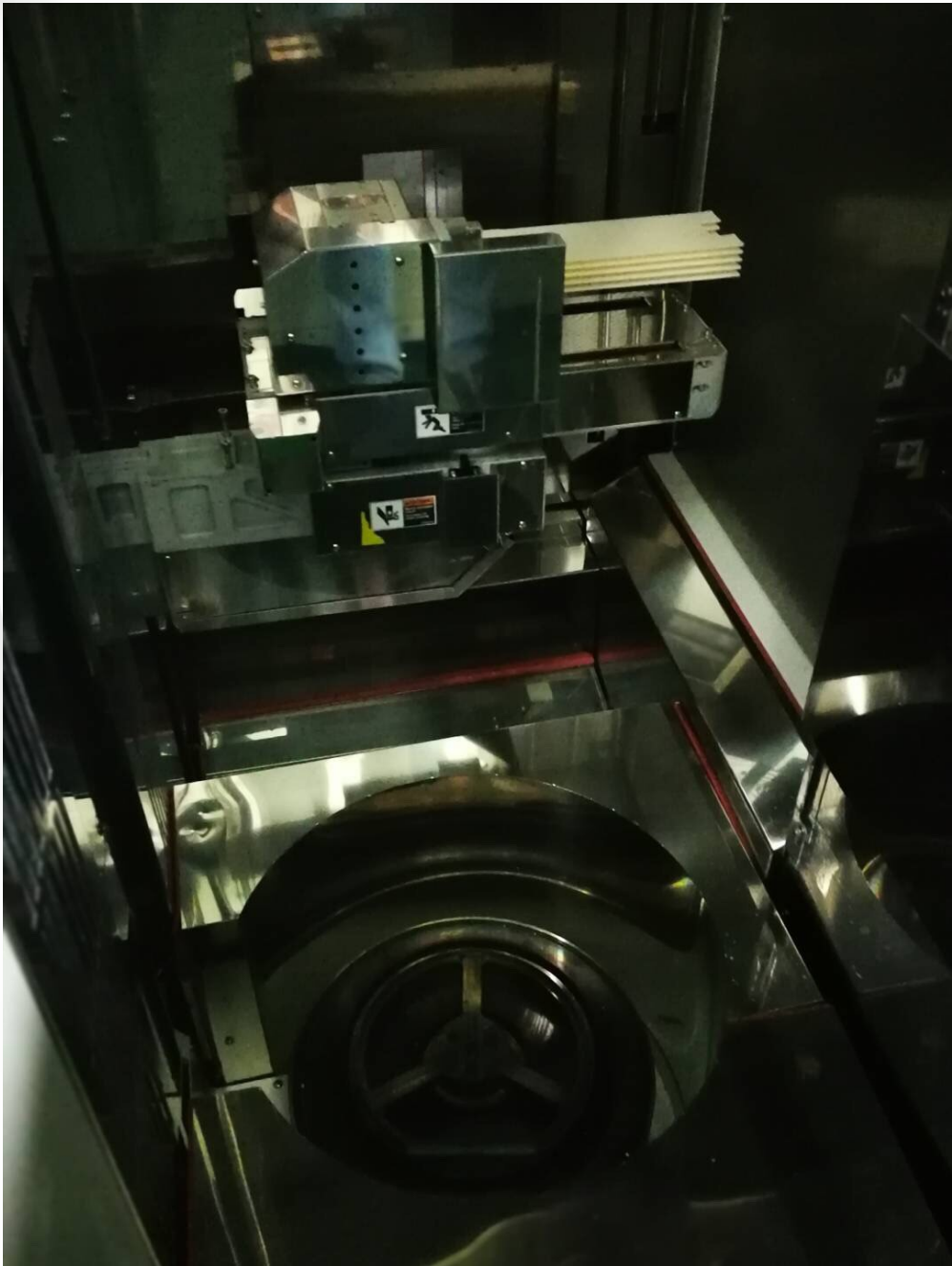
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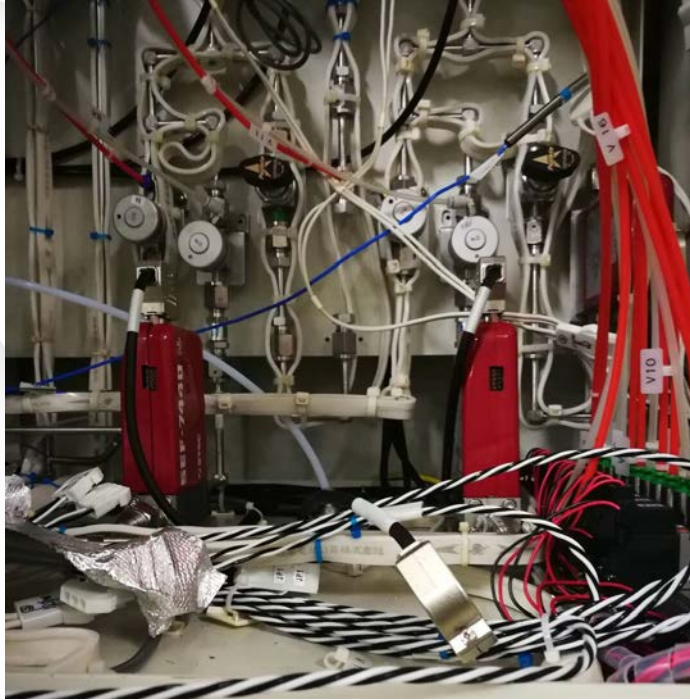


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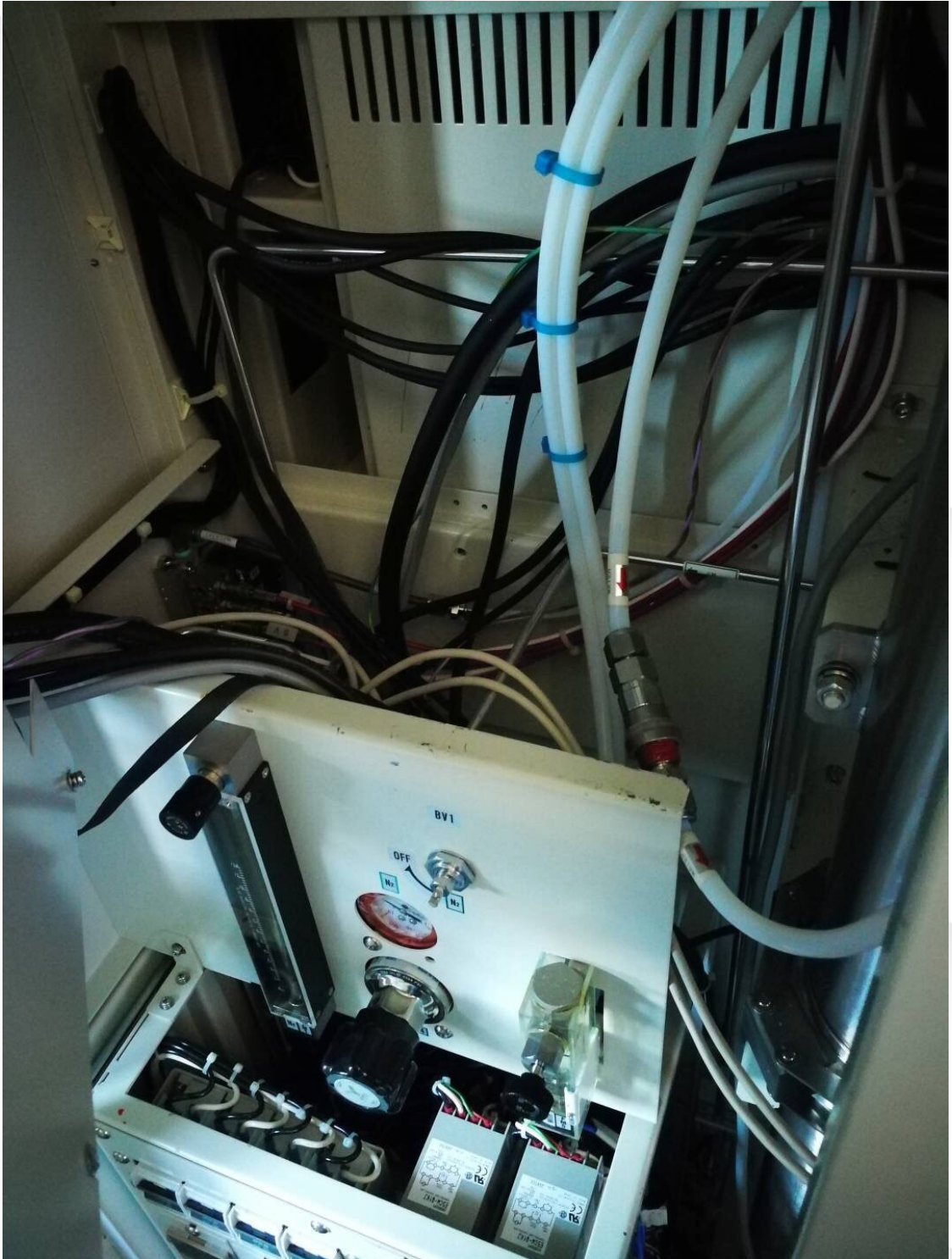


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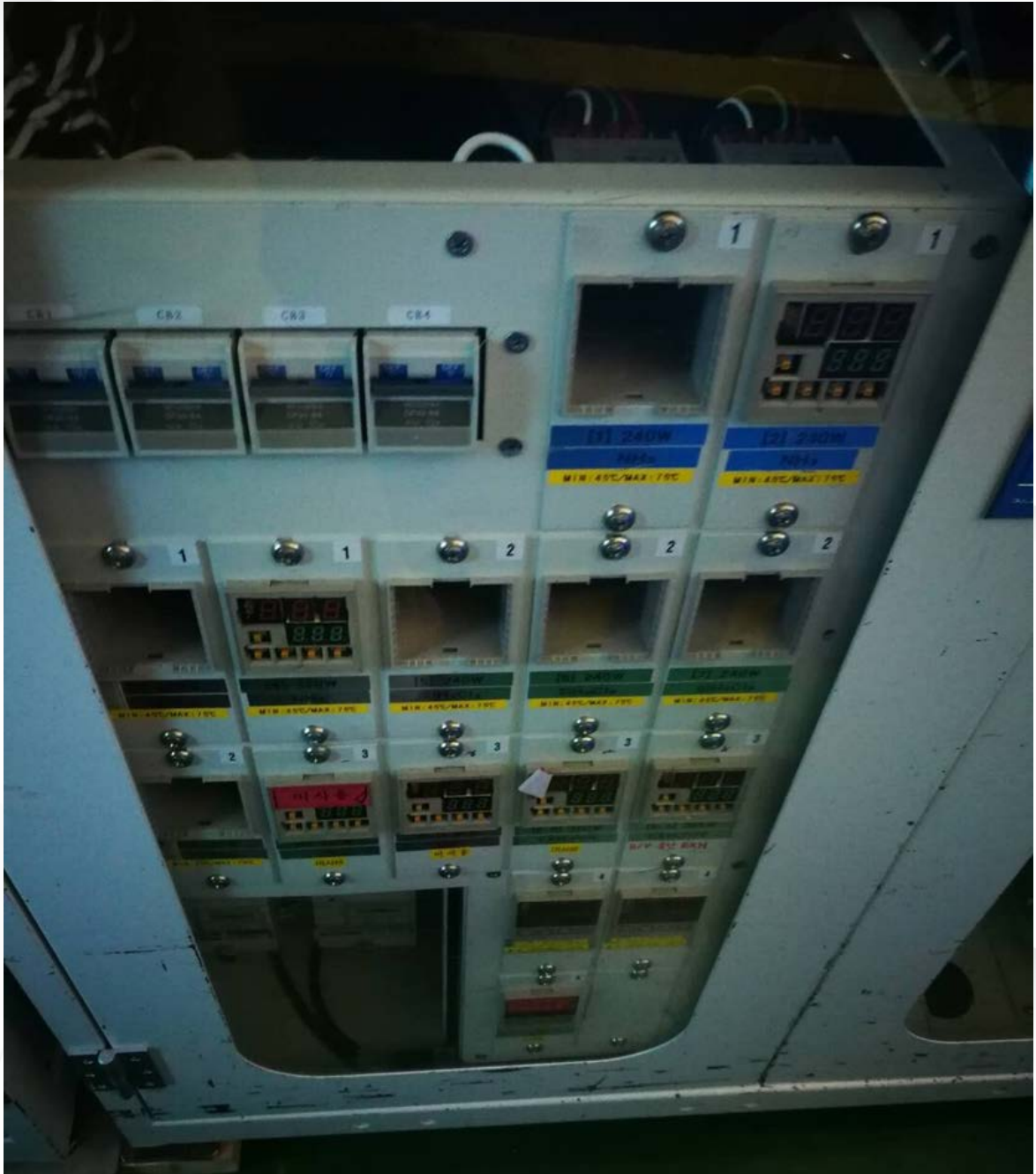
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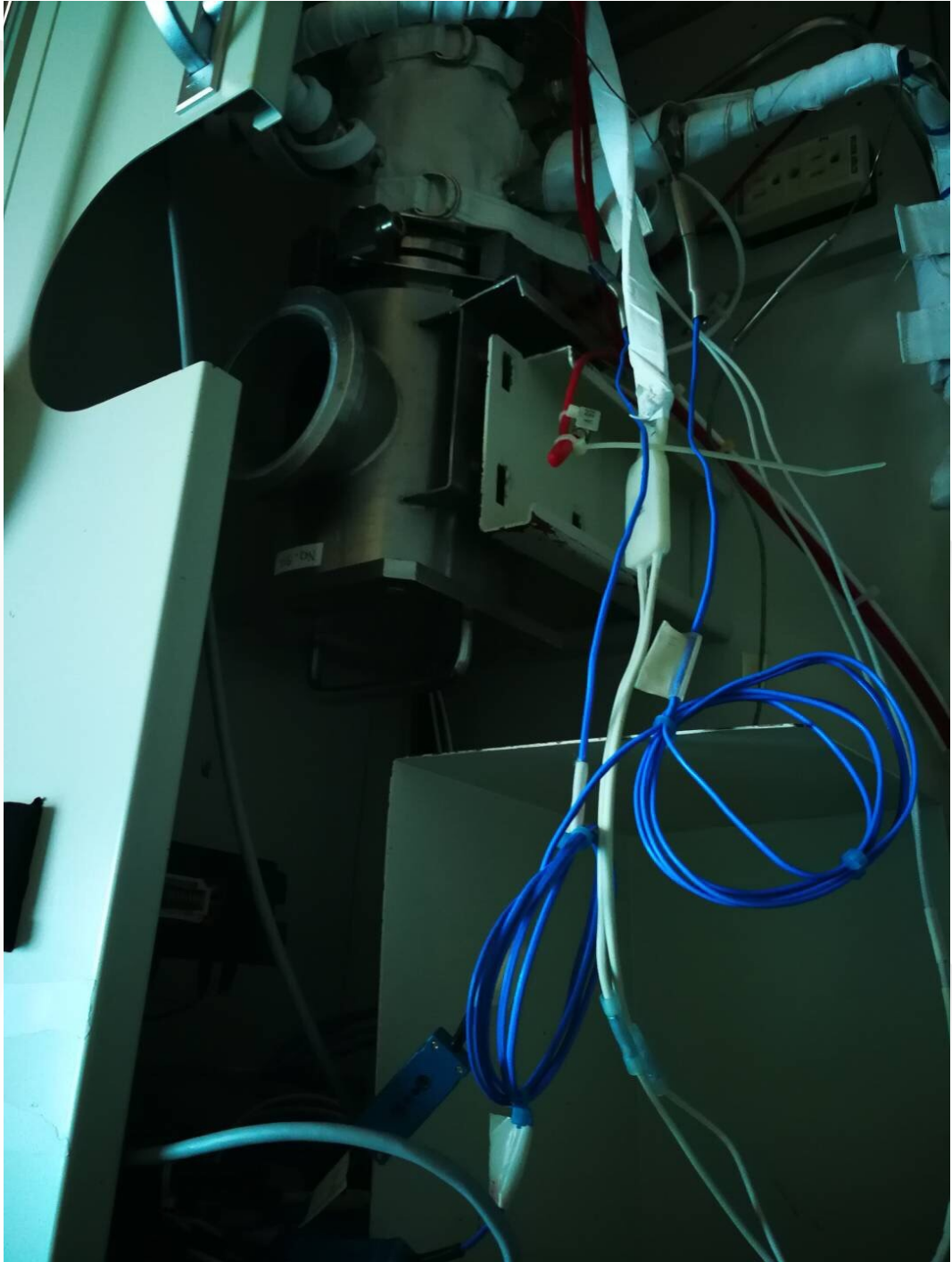
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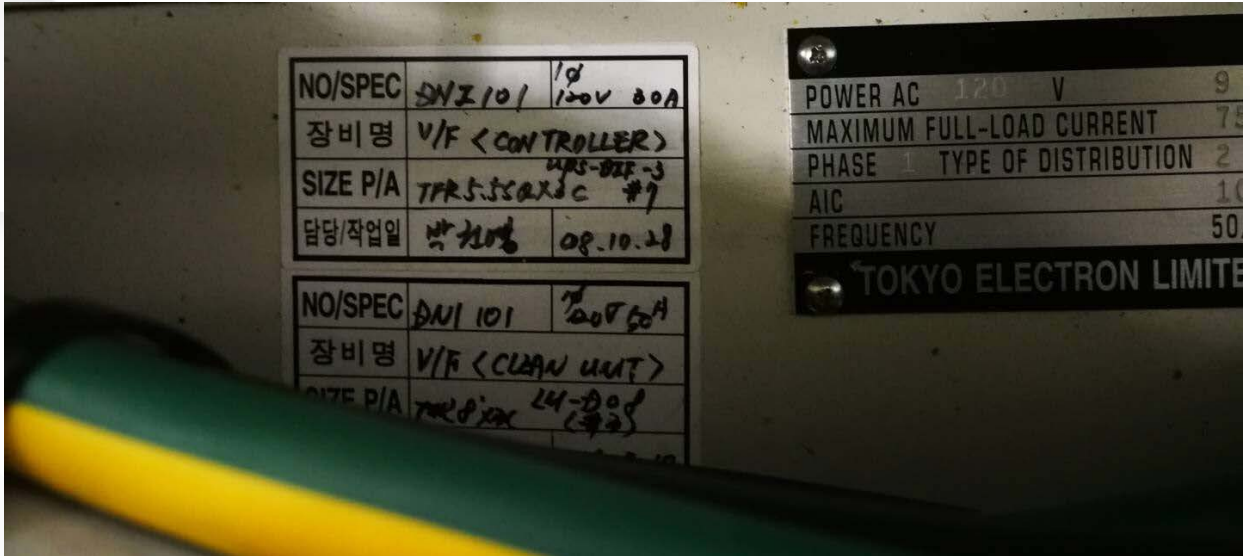
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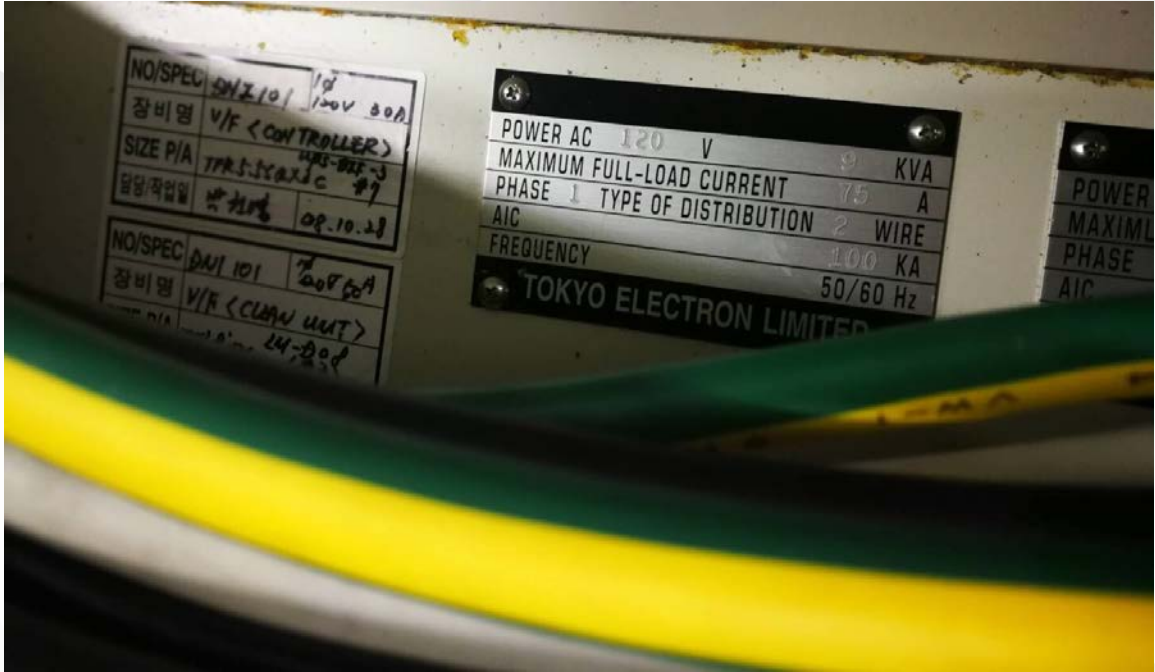
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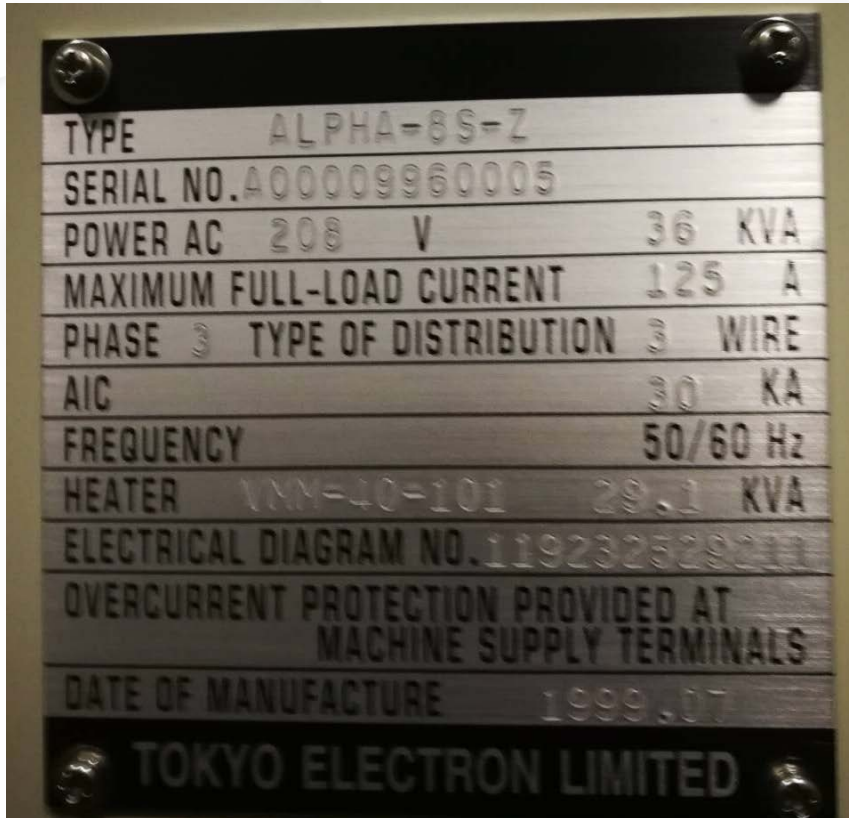
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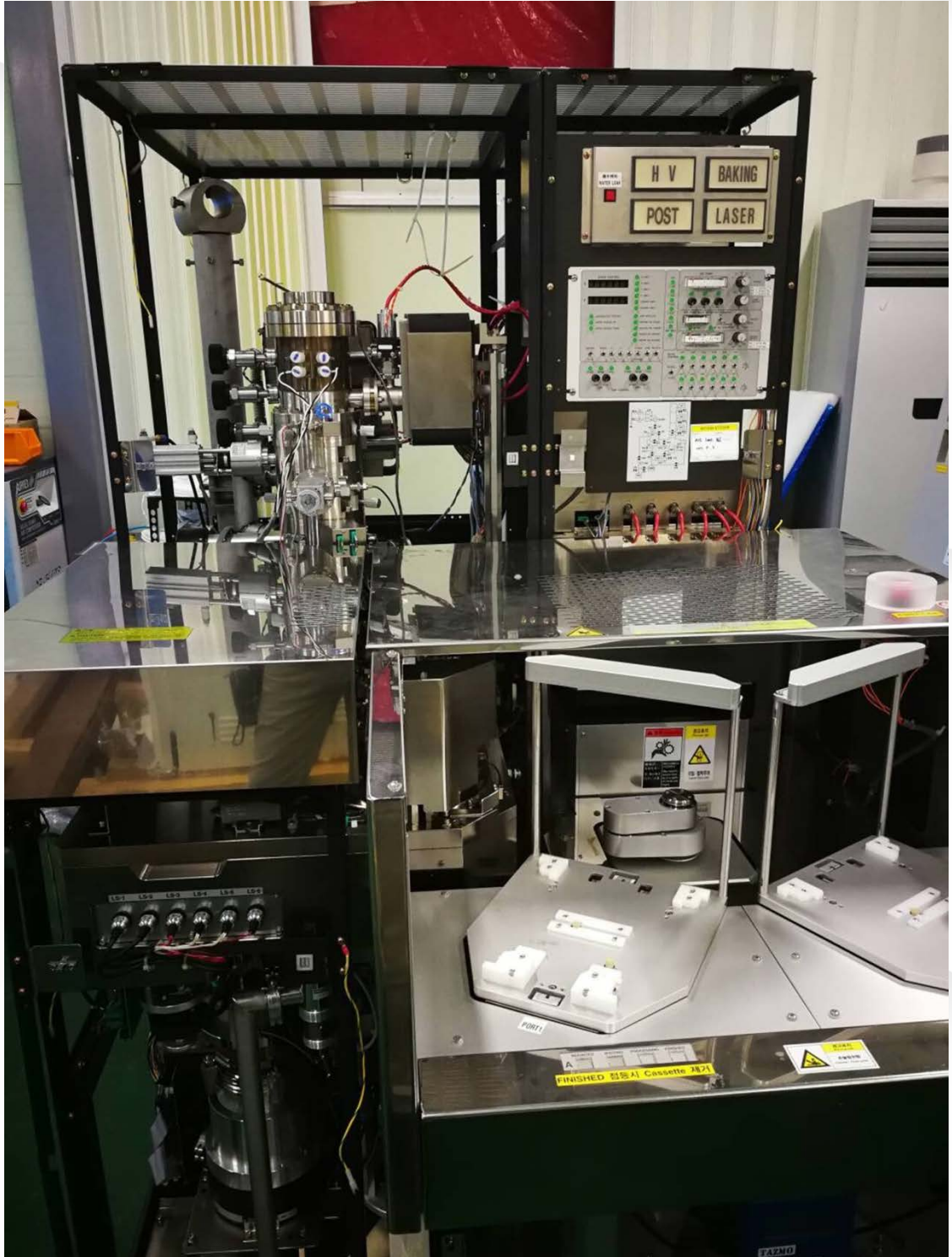
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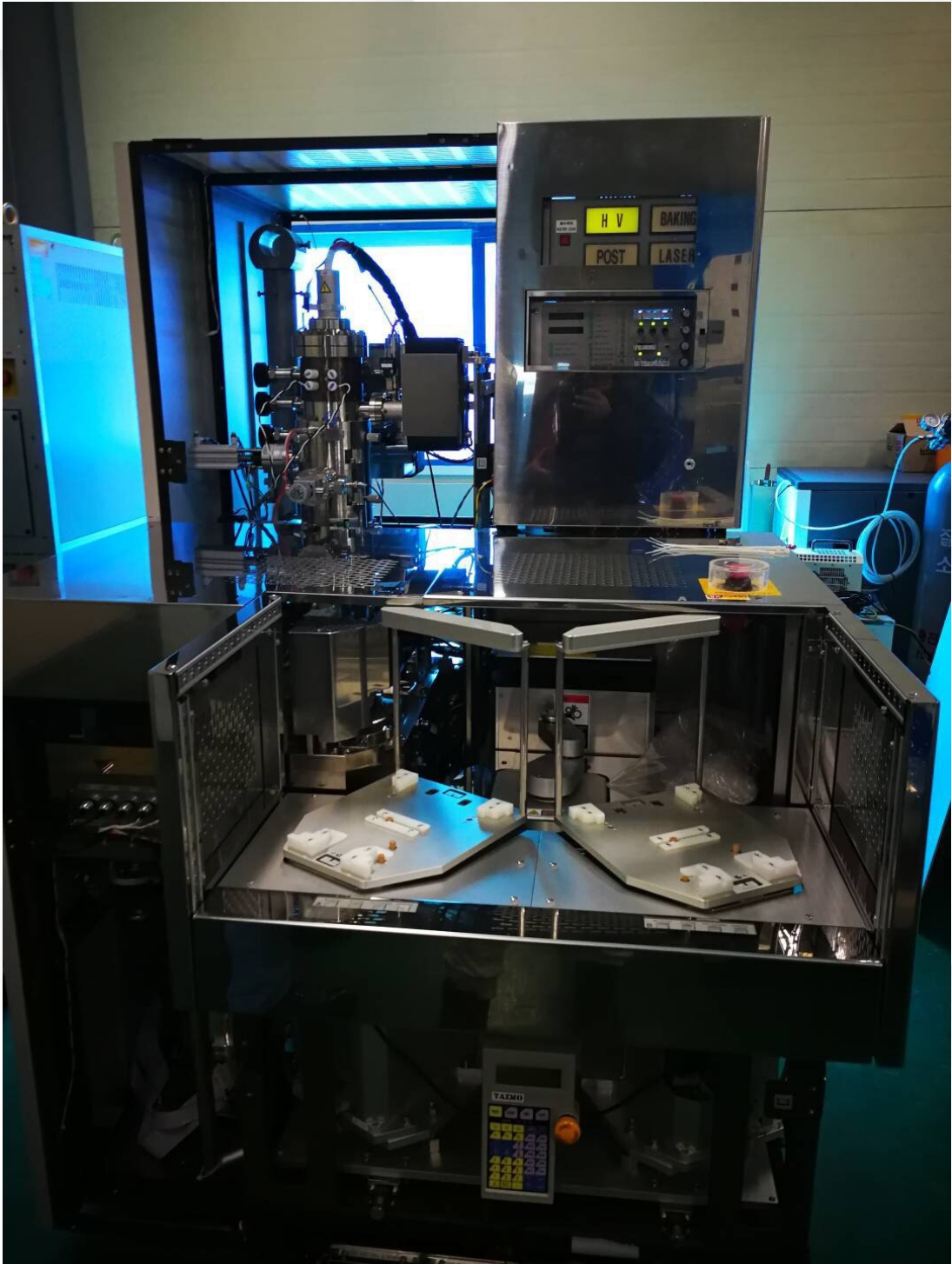


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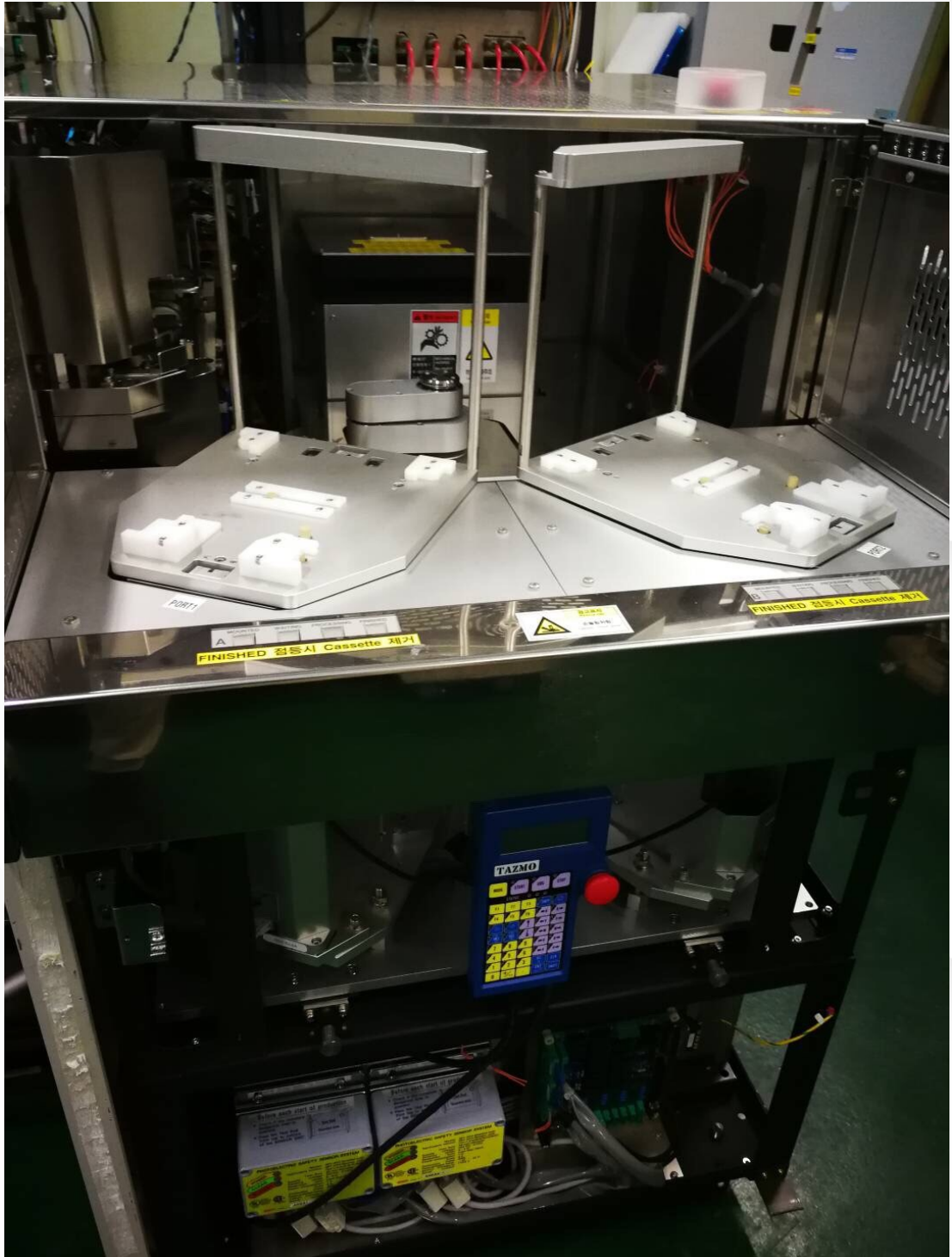


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彩源科技股份有限公司
Bes Phatelet Tech LTD

Alpha-8S-Z/Alpha-8S-ZC





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Alpha-8S-Z/Alpha-8S-ZC

MACHINE INSPECTION				Process	D-POLY
Model	ALPHA-8S-E	S/N	A00009690315	Gas	N ₂ , SiH ₄ , PH ₃ /He, CF ₃
B No	27301	Vintage	1997.12	Installation	
Check Item	Criteria	Result	Judgment		
			O.K	N.G	
1. Visual Inspection	- External Dimensions	Inspection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Color	TS-400Z-PDU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Display	TS-400Z	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Machine Controller	M121	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Control System	- Temp Controller	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
	- Handy Control Terminal	GP-2A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Pressure Controller	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
	- Auto Recharge System	TORAY LL-970	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- O ₂ Detector Controller	MKS 601253B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Process Exhaust Controller	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
	- ATCS (TCA System)	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
	- H.E.C. Pyro (Pyro System)	VMM-60-R01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Heater Chamber	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Spike T/C, Over Heater T/C	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Main Body Unit	- Wafer /Cassette Transfer	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Boat Elevator	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Fork (5只)	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Cassette/Wafer Stage	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Furnace Auto Shutter	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- N ₂ Pass Box/Load Lock	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Cooling Water Unit	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Clean Unit	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
	- I/O Port (SMIF)	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Gas Flow Chart	OK (2000)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Signal Tower	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Loading Area Air Box	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Manifold Unit	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Valve Box	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
	- HEC Pyro (Torch Unit)	N/A JAP 5/10	<input type="checkbox"/>	<input type="checkbox"/>	
	- Process Exhaust & Drain Line	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Jungle Box (MFC & V/V Unit)	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	4. Utility Body Unit	- Exhaust Damper (Heat & General)	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Main Power Box		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Control Box		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Heater Power Cable		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Seal & Exhaust Gas line		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Vacuum Sensor & Baratron Gauge		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Main Valve (A.P.C. V/V...)		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Trap (Cold or Filter)		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Tape Heat & Jacket Heat Control Unit		N/A	<input type="checkbox"/>	<input type="checkbox"/>	
- Pump Unit		OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
- Gas Detector Sensor	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
- Water Detector Sensor	OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Remark					
Check By Operator	(sign)	Check By Customer	(sign)		