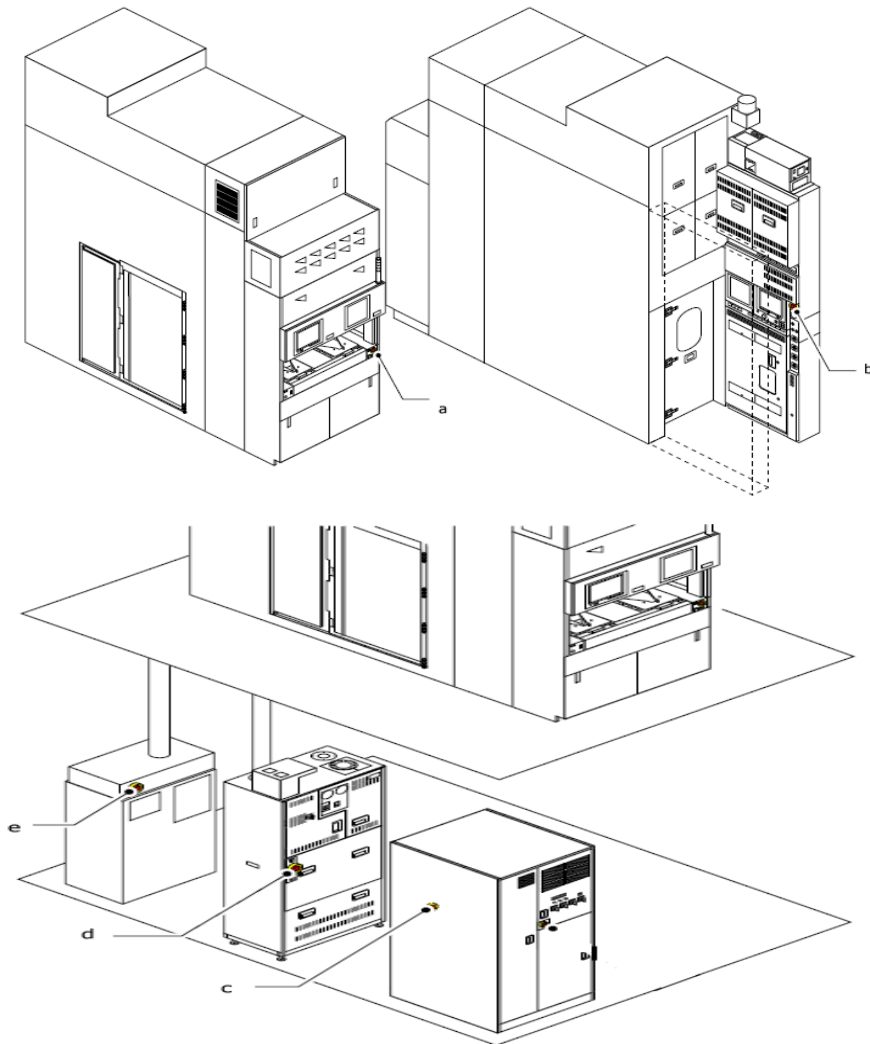


1. System Overview

The following figure illustrates the locations of the major subsystems in a typical furnace unit.



a: The furnace subsystem, which includes the following major components.

- . Automation system
- . Heater
- . Process chamber
- . Temperature controller
- . Scavenger
- . Cooling water unit

b: The gas subsystem, which includes the following major components.

- . Gas supply unit
- . Exhaust
- . Vacuum line (for LPCVD systems)

c: Power box (consists of the primary power supply and the power control system)

d: Rapid cooling unit (option for Fast Thermal Processing Systems)

e: Pump box (option for LPCVD systems)

1. FURNACE UTILITY INSPECTION SHEET

Maker	TEL	Software OS	
		Equipment Status	
Vintage	2011.11	Process	HFO

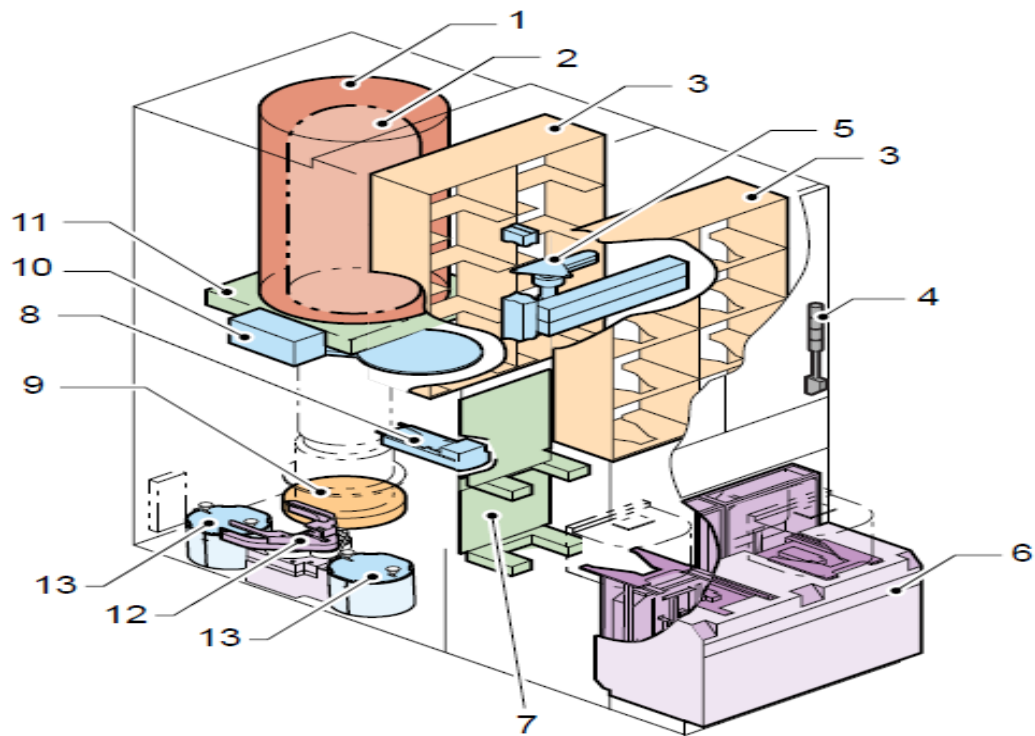
Type		AIR VALVE	
Heater		MFC,MFM	
Three phase power	AC 440V	MAIN	CKD
Single phase power	AC 208V	APC	
GAS	O3, Pure N2, N2, Ar, OCTANE, TEMA		
Others	Dry Pump, NDU, Scrubber, Ozone Gas Generating System.		

Missing Parts List

No.	Parts Name	Quantity	Remark
1	ADMAH Bubbler Box	1SET	Unit

System inspection

1) Main Body



Check Item	Status	Status Issue	Broken Parts	Remark
1.Heater				
2.Process Tube				
3.Storage(Buffer)				
4.Signal Tower				Nothing
5.Carrier Transfer				
6.Load Port	L3			
6-1. I/O FFU				
6-2. Side FFU	L3			
7.FIMS Port	L3			
8.Wafer Transfer	L3			
9.Boat Elevator	L3			
10.Auto Shutter	L3			
11.Scavenger(Manifold)	L3			
12.Boat Transfer	-			2 Boat System
13.Boat Stage	-			
14.Manifold	L3			
15.ETC	-			

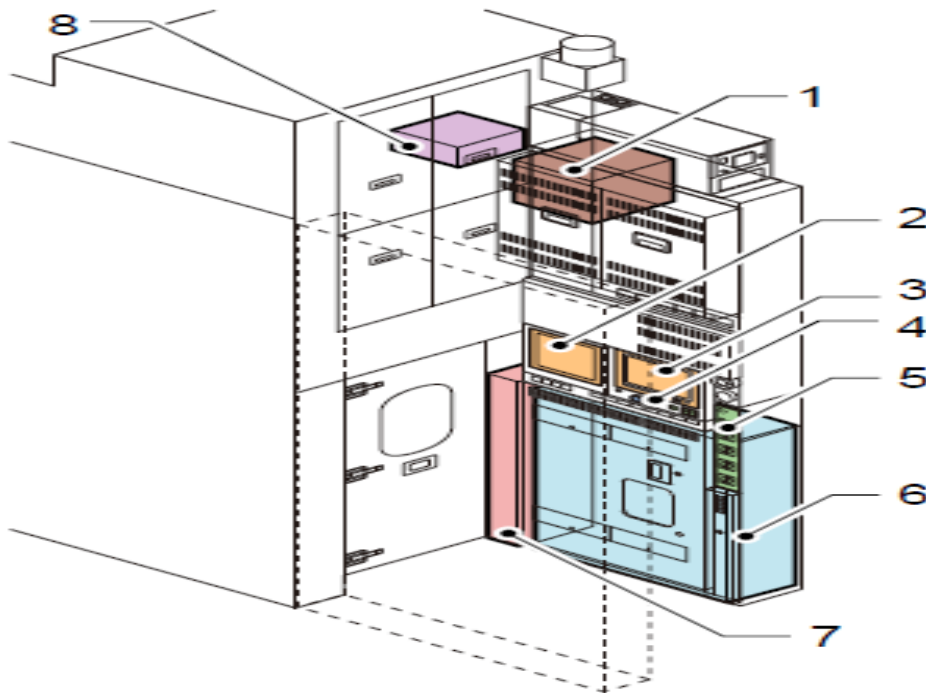
Status: L1- Need to Cleaning & Parts Change

L2- Cleaning

L3- Not need to fix

System inspection

2) Utility Box



Check Item	Status	Status Issue	Broken Parts	Remark
1.WAVES Controller				
2.GFC Panel				Front Nothing
3.Operation Panel				Front Nothing
4.Data I/O				Nothing
5.Hardware Switch	L3			
6.Gas Unit	L3			U/T Box 2EA
7.Cooling Unit	L3			
8. APC Controller				
9.Temp Controller				
10. Vacuum Line	L3			
11. Others				TEMAH Unit

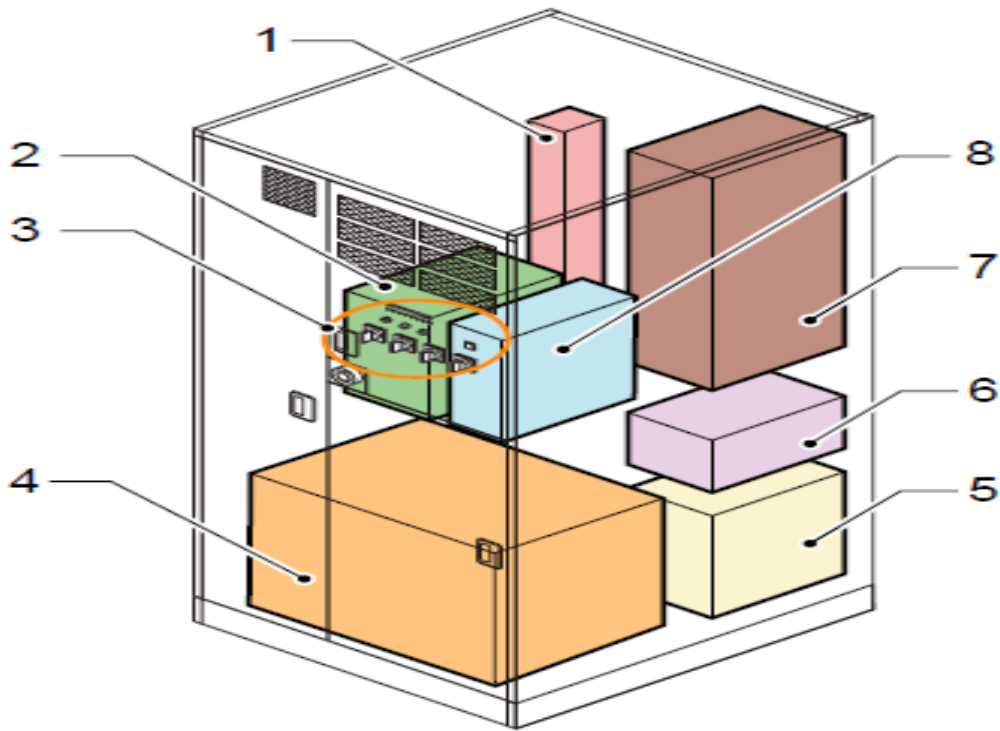
Status: L1- Need to Cleaning & Parts Change

L2- Cleaning

L3- Not need to fix

System inspection

3) Power Box



Check Item	Status	Result	Broken Parts	Remark
1.EMO Unit				
2.Control Board				
3.Hardware Switch	L3			
4.Transformer				
5.SCR Unit				
6.SCR Controller	L3			
7.N2 Purge Unit	L3			
8.RF Power(option)	-			
9. Others	-			NDU,Scrubber, Ozone Gas Generating System
*.RCU Unit(option)	-			
*.Pump Box(option)	L3			KASHIYAMA(SDEM30K-IAa)

Status: L1- Need to Cleaning & Parts Change

L2- Cleaning

L3- Not need to fix