Equipment Spec FC3000

POSITION NO		1	2	3	4	5	6	7	8	9	9	9	10
Name		LOAD / ACB	CTC	CHCL	CWS	LPD	TANK 1 SC-1	TANK 2 H/C QDR	TANK 3 SC-1	TANK 4 H/C QDR	TANK 5 HF	TANK 6 QDR	CBS #1,#2,#3,#4
ROBOT(Transfer Unit)		BTR	HTR	PUS	-	-	← LFR #1 →		← LFR #2 →		← LFR #3 →		
			HVC	←←← WTR →→→									
Shutter Position		SHUTTER	SHUTTER	-	SHUTTER	SHUTTER	-	SHUTTER	-	SHUTTER	-	SHUTTER	
Chemical In used	#1	-	-	DIW	-	IPA	NH4OH	DIW	NH4OH	DIW	HF	DIW	CBS #1 : H2O2
	#2	-	-	-	-	DIW	H2O2	-	H2O2	-	DIW	-	CBS #2 : H2O2
	#3	-	-	-	-	-	H2O	-	H2O	-	-	-	CBS #3 : HF
	#4	-	-	-	-	-	-	-	-	-	-	-	CBS #4 : HF
Mixing Ratio Range		-	-	-	-	-	-	-	-	-	-	-	-
Processing Temperature(℃)		-	-	-	-	-	-	-	-	-	-	-	-
Bath Material		-	-	-	-	-	Quartz	Quartz	Quartz	Quartz	PTFE + PEEK	Quartz	-
Bath Shape(Type)		-	-	-	-	-	Circulation Over Flow	Circulation Over Flow	Circulation Over Flow	Circulation Over Flow	Circulation Over Flow	Circulation Over Flow	
Bath Capacity(L)		-	-	-	-	-							-
Wafer Guide Material			HVC : PVDF	PTFE	-	WTR : SUS+ PTFE Coated	Missing		Quartz		Quartz or Teflon Coating		-
Arm		SUS	HTR : SIC	-	-	-	SUS+PFACoated	-	SUS+PFACoated	-	-	-	-
Material	Bath Lower Section			-	-	SUS302	PVC	PVC	PVC	PVC	PVC	PVC	-
	Chemical SuPPly Piping			-	-	SUS302	PFA	PFA	PFA	PFA	PFA	PFA	PFA
	Drain Piping		-	PP	-	SUS302	PP	PP	PP	PP	PP	PP	
Bath/Processing Functions.	Shower	-	-	PVC	-	-	-	-	-	-	-	-	-
	N2 bubbling	-	-	-	-	-	-	-	-	-	-	-	-
	Resistivity metere	-	-	-	-	-	-	-	-	-	-	-	-
	Auto-cover	-	-	PVC	-	-	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	-
	Megasonic	-	-	-	-	-	-	-	-	-	-	-	-
	Bath Cleaning	-	-	STD	-	-	STD	STD	STD	STD	STD	STD	-
	Chemical/H2O SuPPly Function	-	-	DIW	-	-	DIW	DIW	DIW	DIW	DIW	DIW	-
Temp Control	Electric therm-control	-	-	-	-	-	-	-	-	-	GR-712-1	-	-
	Heater	-	-	-	-		NICHIAS (Missing)	-	-	NICHIAS	NE-3122C-7L	-	-
Chemical / DIW drain	->Gravity	-	-	-	-	-	-	-	-	-	-	-	-
	->Pump	-	-	-	-	-	-	-	-	-	-	-	-
	->QDR	-	-	-	-	-	-	-	-	-	-	-	-
	->Aspirator	-	-	-	-	-	-	-	-	-	-	-	-
	->Cooling Tank/->Gravity	-	-	-	-	-	-	-	-	-	-	-	-
	Drain switching	-	-	-	-	-	-	-	-	-	-	-	-
	Drain Chemical Name #1	-	-	-	-	-	-	-	-	-	-	-	-
	Drain Chemical Name #2	-	-	-	-	-	-	-	-	-	-	-	-
Circulation	Pump	-	-	-	-	-	FF-40-PT	-	FF-40-PT	-	FF-40-PT	-	-
		-	-	-	-	-	IWAKI	-	IWAKI	-	IWAKI	-	-
	Filter	-	-	-	-	-	Entergris CTFY01E01	R-400	Entergris CTFY01E01	R-400	Entergris CTFY01E01	-	-
		-	-	-	-	-	㎛	-	㎛	-	㎛	-	-
	Housing	-	-	-	-	-	-	-	-	-	-	-	-
	Pump controller	-	-	-	-	-	-	-	-	-	-	-	-
Measuring Tank	#1	-	-	-	-	-	PFA	PFA	PFA	PFA	PFA	PFA	-
	#2	-	-	-	-	-	PFA(Mix)	PFA	PFA(Mix)	PFA	PFA	PFA	-
	#3	-	-	-	-	-	-	-	-	-	-	-	-
	#1	-	-	-	-	-	-	-	-	-	-	-	-
	#2	-	-	-	-	-	-	-	-	-	-	-	-
	#3	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Chemical/H2O SuPPly Function	-	-	-	-	IPA	NH4OH	DIW	NH4OH	DIW	HF	DIW	CBS #1 : H2O2
		-	-	-	-	DIW	H2O2	-	H2O2		DIW		CBS #2 : H2O2
		-	-	-	-	-	H2O	-	H2O				CBS #3 : HF
		-	-	-	-	-	-	-	-	-	-	-	CBS #4 : HF

Option

Wafer Notch Aligner		●										
Auto Hand Changer		●										

Equipment Introduction

Model	FC-3000			
Date	OCT. 2003			
PHASE	3, 208Vac			
Full Load	3 Wire(s) GND/PE		60	Hz
SCCR	Main breaker rating	125A	AIC	50 KA
Largest Load	Motor	0A		
Diagram No.	5-L2-41081			
Main power	Mass	11652 kg		

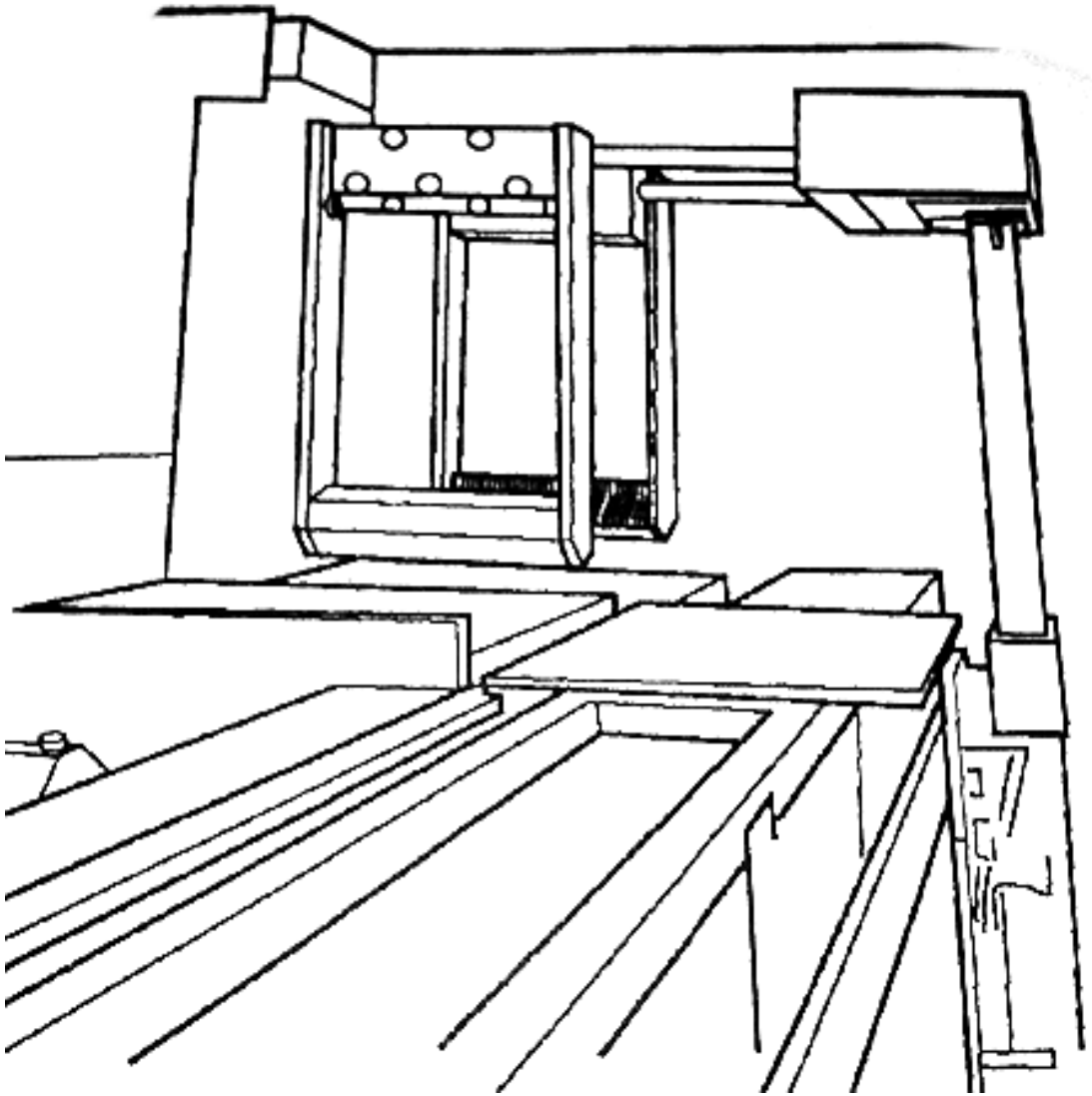
Model	FC-3000			
Date	OCT. 2003			
PHASE	3, 208Vac			
Full Load	3 Wire(s) GND/PE		60	Hz
SCCR	Main breaker rating	90A	AIC	65 KA
Largest Load	Motor	0A		
Diagram No.	5-L2-41082			
UPS	Mass	11652 kg		

REMARK

Name	Model	Quantity	Remark
Concentration Mo	CS-151F-0105-37-QU	2	NH3 / H2O2
Concentration Mo	CM-210 + CX-03	1	HF
Fire extinguisher	Nogulbangjae	1	
Inlin Heater	NICHIAS	1	1EA is Missing
Heat Exchanger	KOMAISU - NE-3122C-7L	1	
Electronic Therm	KOMAISU – GR-712-1	1	

Transfer System

- **Carrier Buffer**
  1) LP
  2) BTR
  3) FAS
  4) Opener
- **Wafer Transport**
  1) HVC
  2) HVC – Wafer alignment Bar
  3) HTR
  4) HTR – ARM
  5) AHC (Option)
  6) WNA (Option)
  7) PUS
  8) CWS
- **Wafer Transfer**
  1) WTR
  2) WTR-ARM
  3) LFR
  4) LFR – Quartz Wafer Guide
  5) LFR – Teflon Coating Wafer Guide
  6) LFR – Wafer Guide Bracket



Process **Bath** System

- **CHCL**
- **LPD**
- **TANK 1 (SC - 1)**
  1) H3OP4
  2) Piping
- **TANK2 (H/C QDR)**
  1) ONB
  2) Piping
- **TANK3 (SC – 1)**
  1) NHO3
  2) Piping
- **TANK4 (H/C QDR)**
  1) ONB
  2) Piping
- **TANK5 (HF)**
  1) ONB
  2) Piping
- **TANK6 (QDR)**
  1) ONB
  2) Piping
- **CSB**

Other Parts

1. Parts

- Heat Exchanger
- Concentration Monitor
- Bellows Pump
- Electronic Thermo
- Concentration
- Fire Extinguisher
- In-line Heater
- Auto Dampener

2. Quartz Bath.

- SC-1 Bath
- QDR Bath