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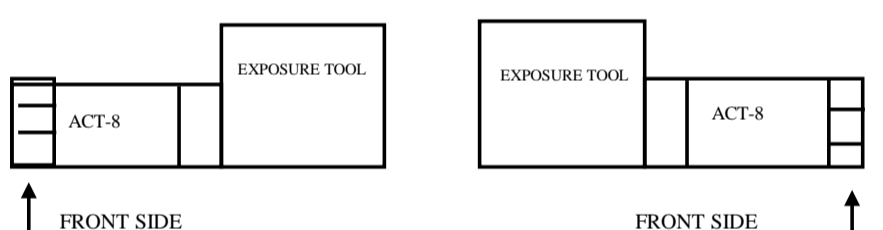
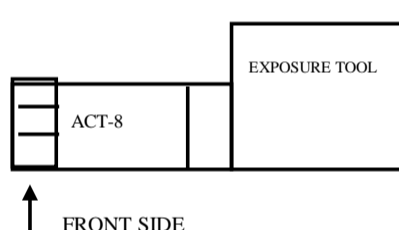
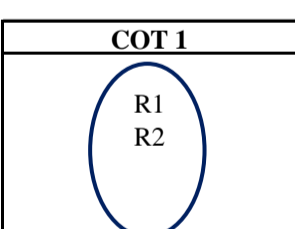
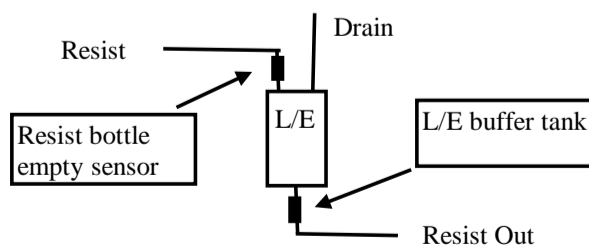
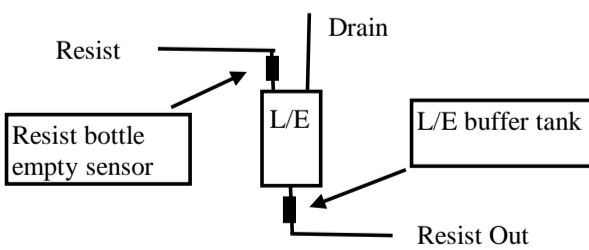
TEL Clean Track ACT 12

S/N : E180022, Vintage 1998

Please inquire to info@justinbdnl.com, +82-10-3202-7102 (Korea Mobile), +1-512-660-7889 (US Mobile)

1-4 FOU	1-0 CRA	2-24	HCH	2-0 PRA	2-14	HCH			
		2-23	HCH		2-13	HCH			
		2-22	HCH		2-12	HCH			
		2-21	RSV		2-11	CPL			
		2-20	RSV		2-10	RSV			
		2-19	CPL		2-09	CPL			
		2-8	RSV		2-18	RSV			
		2-7	CPL		2-17	CPL			
		2-6	TRS		2-16	RSV			
		2-5	TCP		2-15	CPL			
		2-3 DEV			2-4 PCT				
		2-1 RSV			2- 2 RSV				
		1-3 FOU							
		1-2 FOU							
1-1 FOU									

TEL Clean Track ACT 12
Single Block, E180022, Vintage 1998
Left to Right Wafer Flow, 1PCT + 1DEV

ITEM	DESCRIPTION	REQUIREMENT/REMARKS																																							
SYSTEM	1 Cassette Type	4 FOUF Indexers																																							
	2 Coater unit (COT)	1 set (2-4, PCT/Polyamide Coat Unit)																																							
	3 Developer unit (DEV)	1 set (2-3)																																							
	4 Adhesion unit (ADH)	N/A																																							
	5 Heating Chamber Hot Plate (HCH)	6 sets (2-12, 2-13, 2-14, 2-22, 2-23, 2-24)																																							
	6 Low Temperature Hot plate (LHP)	N/A																																							
	7 Cup Wash Holder (CWH)	N/A																																							
	8 Cooling Plate (CPL)	6 sets (2-7, 2-9, 2-15, 2-17, 2-19)																																							
	9 Interface Station Type	N/A																																							
	10 External Chemical Supply System/Cabinet #1	External Chemical Supply System/Cabinet #1 a. Solvent Supply System for COT and Develop - Solvent Chemical Type: 2ea - Solvent#1(NMP) Manual or CSS to Auto Supply System with One of 5 Gal Canister Tank and Two of Pump Dispense System (PCS Pump Exchange Type) - Solvent#2(IPA) Manual or CSS to Auto Supply System with One of 5 Gal Canister Tank and Two of Pump Dispense System (PCS Pump Exchange Type) b. Develop Supply System for 1 Develop Units - Develop Chemical Type: 1ea - Develop Solution (PGMEA) Manual or CSS to Auto Supply System with One of 5 Gal Canister Tank and Two of Pump Dispense System (PCS Pump Exchange Type) Customer Provide the Canister Tank - Develop Solutions filter housing follow stainless steel type																																							
	12 AC Power Box (AC208V 3 phase)	1 set																																							
	13 Temperature & Humidity controller	N/A																																							
	14 Advance Cascading software	Please refer to the important notice on Page #2																																							
	15 Parallel Processing software	Please refer to the important notice on Page #2																																							
	16 Process log software	Please refer to the important notice on Page #2																																							
	17 Alarm Tower Specification	3 Colors (Red, Yellow, Green)																																							
	18 Safety Specification	TEL S2-93 Safety Specification Complied																																							
	19 ON-line Communication method : SECS1 or HSMS	HSMS, Please refer to the important notice on Page #2																																							
	20 Location of Support unit; 1. Chemical Cabinet 2. Temp. Control unit 3. AC Power box	Location of Support unit; 1. Sub-Fab (Cable Length : 13 meters or 42.65ft) 2. Sub-Fab (Cable Length : 13 meters or 42.65ft) 3. Sub-Fab (Cable Length : 13 meters or 42.65ft)																																							
	27 Machine Direction 1. CSB → IFB 2. IFB ← CSB 	Right to Left Wafer Flow CSB → IFB 																																							
COAT UNIT	28 Resist dispense line. COT 1 COT 2 COT 3 COT 4 R1 : R1 : R1 : R1 : R2 : R2 : R2 : R2 : R3 : R3 : R3 : R3 : R4 : R4 : R4 : R4 : RRC : RRC : RRC : RRC : EBR : EBR : EBR : EBR : Back Rinse : Back Rinse : Back Rinse : Back Rinse : Solvent Bath : Solvent Bath : Solvent Bath : Solvent Bath :	COT 1 R1 : Resist1 R2 : Resist2 RRC : Solvent EBR : Solvent Back Rinse : Solvent Solvent Bath : Solvent																																							
	39 Resist dispense line temperature controller assignment <table border="1"> <thead> <tr> <th>COT 1</th> <th>COT 2</th> <th>COT 3</th> <th>COT 4</th> </tr> </thead> <tbody> <tr> <td>R1</td> <td>R1</td> <td>R1</td> <td>R1</td> </tr> <tr> <td>R2</td> <td>R2</td> <td>R2</td> <td>R2</td> </tr> <tr> <td>R3</td> <td>R3</td> <td>R3</td> <td>R3</td> </tr> <tr> <td>R4</td> <td>R4</td> <td>R4</td> <td>R4</td> </tr> </tbody> </table>	COT 1	COT 2	COT 3	COT 4	R1	R1	R1	R1	R2	R2	R2	R2	R3	R3	R3	R3	R4	R4	R4	R4																				
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	R3	R3	R3	R3																																					
	R4	R4	R4	R4																																					
	47 Resist bottle assignment (COT1) R1 : R2 : R3 : R4 :	COT1 L1 : N2 pressure to 1 Canister & 1 TEL OEM Encompass pump L2 : N2 pressure to 1 Canister																																							
	53 Resist supply method	Standard Glass Bottle (1GAL/Bottle)																																							
	54 Resist pump type <table border="1"> <thead> <tr> <th>COT 1</th> <th>COT 2</th> <th>COT 3</th> <th>COT 4</th> </tr> </thead> <tbody> <tr> <td>R1</td> <td>R1</td> <td>R1</td> <td>R1</td> </tr> <tr> <td>R2</td> <td>R2</td> <td>R2</td> <td>R2</td> </tr> <tr> <td>R3</td> <td>R3</td> <td>R3</td> <td>R3</td> </tr> <tr> <td>R4</td> <td>R4</td> <td>R4</td> <td>R4</td> </tr> </tbody> </table>	COT 1	COT 2	COT 3	COT 4	R1	R1	R1	R1	R2	R2	R2	R2	R3	R3	R3	R3	R4	R4	R4	R4	Please see the table below : <table border="1"> <thead> <tr> <th>COT 1</th> <th>COT 2</th> <th>COT 3</th> <th>COT 4</th> </tr> </thead> <tbody> <tr> <td>TEL OEM Encompass pump</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N2 Press</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	COT 1	COT 2	COT 3	COT 4	TEL OEM Encompass pump	N/A	N/A	N/A	N2 Press	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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60 Resist L/E buffer tank 	Resist L/E Buffer Tank (300ml/2ea) 																																								
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67 Side rinse nozzle with Fin Flow Sensor and FMS/Flow Monitoring System per Coat cup	1 Fin Flow and 1 FMS																																								
68 Back rinse nozzle with flowmeter sensor /Coat cup	Fin Flow																																								
69 Solvent nozzle with flowmeter sensor/Coat cup	Fin Flow																																								

TEL Clean Track ACT 12
Single Block, E180022, Vintage 1998
Left to Right Wafer Flow, 1PCT + 1DEV

ITEM	DESCRIPTION				REQUIREMENT/REMARKS	
	70	Resist filter type			N/A	
	71	Solvent filter type			N/A	
	72	Solvent chemical supply system			Manual or CSS Bulk-fill Supply System with One of 5 Gal Canister Tank and Two of Pump Dispense System (PCS Pump Exchange Type) 2 tank auto-supply	
	73	Solvent degas module			N/A	
	74	Coater Drain method			Direct Gravity Downward Drain Type	
	75	Acid Protection Spec.			N/A	
DEVELOP UNIT	76	Developer Nozzle			JF-1 Spray Nozzle (12 JF-1 Nozzles per Develop Unit)	
	77	Temperature control assignment				N/A
		DEV1	DEV2	DEV3	DEV4	
	84	DIW temperature control assignment			N/A	
	85	Develop Solution Chemical Type			1 Type	
	86	Develop Solution Chemical Supply Method			Manual or CSS Bulk-fill Supply System with One of 5 Gal Canister Tank and Two of Pump Dispense System (PCS Pump Exchange Type) 2 tank auto-supply	
	87	Develop Solution chemical Degas Module			N/A	
	88	Develop Solution Chemical Drain Method			Direct Gravity Downward Drain Type	
	89	Develop Solution Chemical Filter Type			N/A	
	90	D.I. Water Filter Type			N/A	
	91	D.I. Water Supply Method & Nozzle			Facility Bulk Supply & Stream	
ADH	92	ADH Supply Method			N/A	
	93	ADH Filter Type			N/A	

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