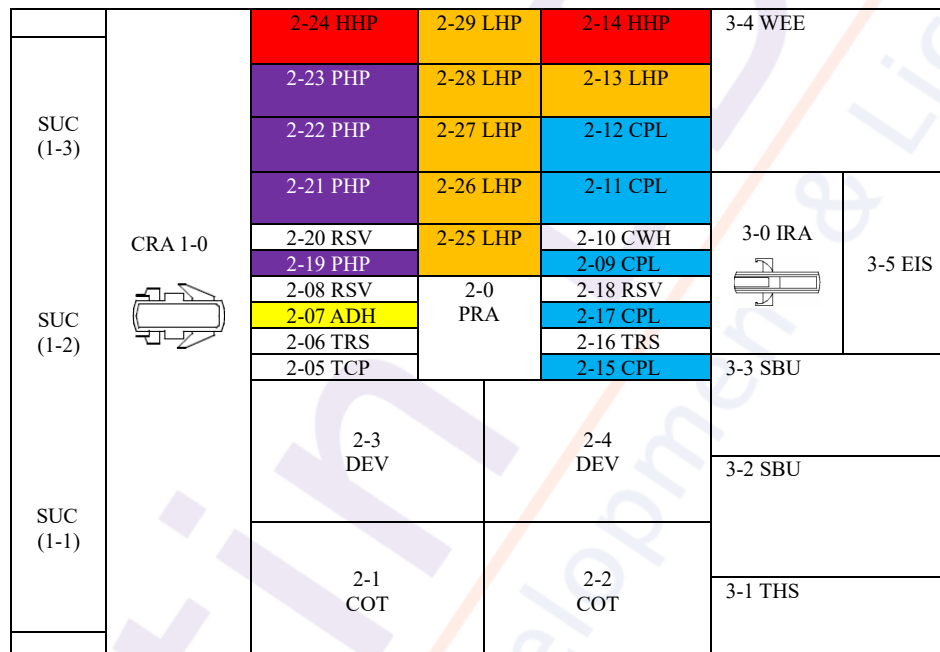


1. **Maker : TEL/Tokyo Electron Limited**
2. **Model : Clean Track ACT 8**
3. **Serial Number :**
4. **Vintage : 2001**
5. **Description : Photo Resist Coat and Develop System**
6. **Configuration**

1) **Block Diagram (Left to Right Wafer Flow)**



**Chemical Supply System**  
 HMDS, Develop and Solvent Supply

**Thermo Control Unit**  
 INR-244

**AC Power Rack**

2) **Chemical Cabinet Details**

1 2-7 ADH HMDS Buffer Tank Tray	2 Solvent Filter Tray	3 DEV Filter Tray	
4 Solvent 3L Buffer Tank 2ea	5 Solvent Degas Tray	6 DEV Degas Tray	7 DEV 3L Buffer Tank 2ea

**3) Detailed Hardware Specification**

- A. Wafer Size : 200mm, DUV Application, Single Block System
- B. Wafer Flow : Left to Right (CSB Unit is in Left side and Interface Station Unit is in Right side)
- C. Process Block : 1ea (Single Block System)
- D. Block #1
  - a. TEL Clean Track ACT 8 EC/Equipment Controller Type#2
  - b. Stage/Indexer : 3 SMIF Integrated CSB/Cassette Stage Block
  - c. CRA/Cassette Block Robotics Arm : 1ea
  - d. FFU: Installed
- E. Block #2
  - a. 2-1 Standard Coat Unit
    - ① 4 Standard Photo Resist Dispense Nozzles
    - ② 4 TEL OEM RRC F-T100-2 Photo Resist Pumps
    - ③ 1 Solvent Pre-wet RRC/Reduced Resist Coat Nozzle
    - ④ 1 Side Rinse Nozzle (Programmable Side Rinse EBR)
    - ⑤ Dual Back Rinse Nozzles
    - ⑥ Coat Cup Temperature Synchronized Control System
    - ⑦ Photo Resist Temperature Control
    - ⑧ Motor Flange Temperature Control
    - ⑨ Photo Resist Drain Type : Direct Gravity Drain Type
    - ⑩ Auto Dummy Dispense System
    - ⑪ Photo Resist Bottle Quantity :

	Resist #1	Resist #2	Resist #3	Resist #4
COT 2-1	1 Bottle	1 Bottle	1 Bottle	1 Bottle
COT 2-2	1 Bottle	1 Bottle	1 Bottle	1 Bottle

- b. 2-1 Standard Coat Unit : Same as 2-1 Standard Coat Unit
- c. 2-3 Develop Unit
  - ① 1 H Nozzle
  - ② Develop Temperature Control
  - ③ Motor Flange Temperature Control
  - ④ Drain Type : Direct Gravity Drain Type
  - ⑤ Top Rinse Nozzle
  - ⑥ Dual Back Rinse Nozzle

- ⑦ Auto Damper
- ⑧ Auto Dummy Dispense System
- d. 2-4 Develop Unit : Same as 2-3 Develop Unit
- e. Plate Units
  - ① PRA/Process Block Robotics Arm: 1ea
  - ② ADH/Adhesion Process Station: 1ea
  - ③ HHP/High Temperature Hot Plate Station : 2ea
  - ④ LHP/Low Temperature Hot Plate Station : 6ea
  - ⑤ CPL/Chilling Plate Process Station : 5ea
  - ⑥ TRS/Transition Stage Unit : 2ea
  - ⑦ TCP/Transition Chilling Plate : 1ea
  - ⑧ PHP/High Precision Hot Plate Process Station : 4ea
  - ⑨ CWH/Cup Washer Holder Unit : 1ea
- F. Block #3 : Standard Interface Block
  - a. IRA/Interface Robotics Arm : 1ea
  - b. Interfaced for NIKON 2205EX14C
  - c. WEE/Wafer Edge Exposure Process Station : 1ea
  - d. THS/Temporary Holding Stage : 1ea
  - e. SBU/Stationary Buffer Unit : 2ea
  - f. TRS/Transition Stage Unit : N/A
  - g. CPL/Chill Plate Process Station : N/A
  - h. EIS/Interface Stage Module : 1ea
  - i. FFU: Installed
- G. T&H/Temperature and Humidity Controller : N/A
- H. External Chemical Supply System/Cabinet (HMDS, Solvent, DEV Solutions)
  - a. HMDS Supply System
    - ① HMDS Chemical Type: 1ea
    - ② Bulk-Fill CSS/Central Chemical Supply Type with 3 Liter Teflon Buffer Tanks (1)
    - ③ 1 Buffer Tank (3 Liter/Tank, Teflon, N2 Bubbling) for 1 ADH Unit
  - b. Solvent Supply System for 2 Standard Coat Units (2-1, 2-2)
    - ① Solvent Chemical Type: 1ea
    - ② Bulk-fill CSS/Central Chemical Supply Type with 3Liter Teflon Buffer Tanks (2)

- ③ 2 Buffer Tanks (3 Liter/Tank, Teflon) to support 2 Standard Coat Units (2-1, 2-2)
- c. Developer Supply System for 2 Develop Units (2-3, 2-4)
  - ① Developer Chemical Type: 1ea
  - ② Bulk-Fill CSS/Central Chemical Supply Type with 3 Liter Teflon Buffer Tanks (2)
  - ③ 2 Buffer Tanks (3 Liter/Tank, Teflon) to support 2 Develop Units (2-3, 2-4)
- I. TEL OEM TCU/Temperature Control Unit : 1ea  
(SMC Circulator Pumps and Thermo Controller with 9 Channels)
  - a. 2 Chilling Channels for 2 Coat Spin Units
  - b. 2 Chilling Channel for 2 Develop Units
  - c. 5 Chilling Channel for 5 CPL/Chill Plate Process Station Units
- J. Power Transformer AC Cabinet : 208VAC, 3 Phases, 50/60Hz
- K. Software Options : Hard Disk Removed
- L. Utility connection Position : Bottom/Back Side

#### 7. Important Notice

- 1) This Document could contain typographical errors or technical inaccuracies.