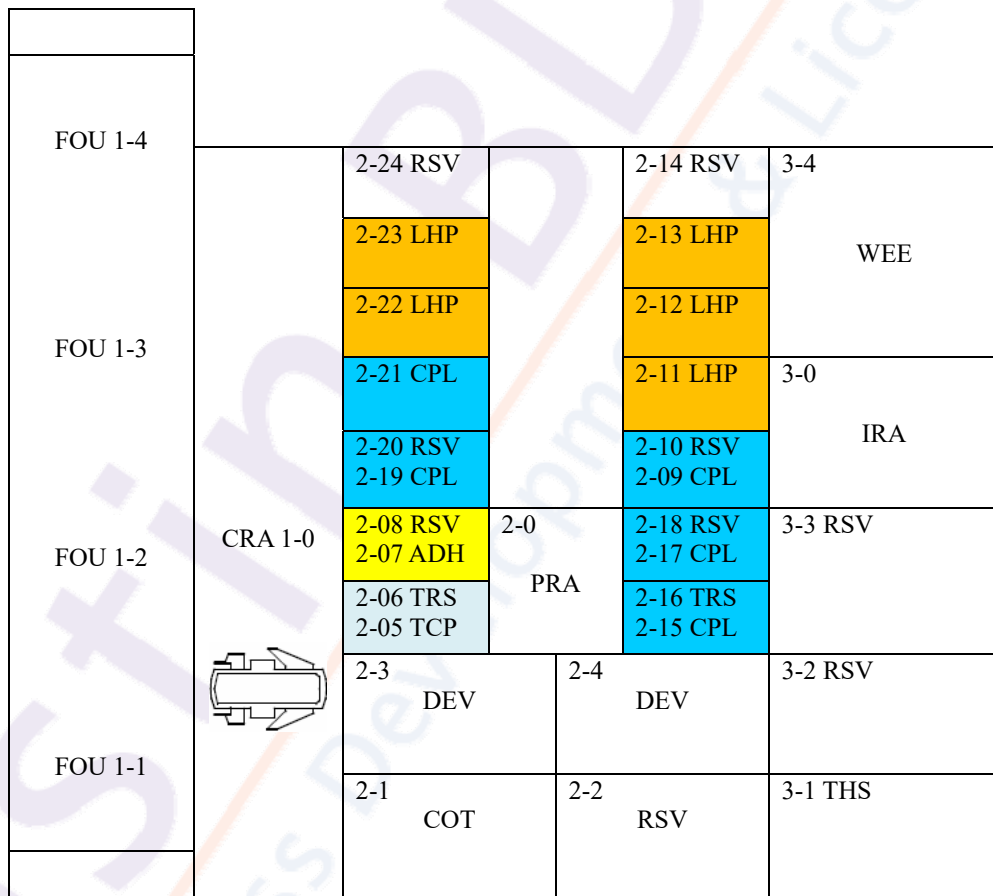


1. **Manufacturer :** TEL/Tokyo Electron Limited
2. **Model :** TEL Clean Track ACT 12
3. **Serial Number :**
4. **Vintage :** 1998
5. **Description :** Photo Resist Coat and Develop System
6. **Configuration**

1) **Block Diagram (Left to Right Wafer Flow)** 2,370 x 3,410 x 2,845 (L x W x H by mm)



2) **General Configuration**

- A. **Wafer Size :** 300mm, Silicon Substrate Wafer
- B. **Wafer Flow :** Left to Right (CSB Unit is at Left and Interface Station Unit is at Right)
- C. **Number of Process Blocks :** 1ea (Single Block System)
- D. **Block #1 :** CSB/Cassette Station Block

- a. TEL Clean Track ACT 12 EC/Equipment Controller Type I (#1)
- b. Stage/Indexer : 4 FOUP Indexers CSB/Cassette Stage Block
- c. CRA/Cassette Block Robotics Arm : 1ea
- d. **FOUP/SMIF Control PCB : 1ea (Missing)**

E. Block #2 : PSB/Process Station Block (Spin Units)

- a. 2-1 Standard COT Unit
 - ① 4 Standard Photo Resist Dispense Nozzles
 - ② **4 TEL OEM RRC Photo Resist Pumps (Missing)**
 - 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 Motor Flange Temperature Control : Installed
 - ⑧ Photo Resist Drain Type : Direct Gravity Drain Type
 - ⑨ Photo Resist Bottle Quantity : 4ea in External Chemical Supply System
 - ⑩ Auto Dummy Dispense System : Installed
- b. 2-3 Develop Unit
 - ① 1 H Nozzle
 - ② Dual Back Rinse Nozzles
 - ③ Develop Temperature Control
 - ④ Motor Flange Temperature Control
 - ⑤ Direct Gravity Drain Type
 - ⑥ Auto Damper
 - ⑦ Auto Dummy Dispense System
- c. 2-4 Develop Unit : Same as 2-3 DEV
- d. PRA/Process Block Robotics Arm : 1ea
- e. Oven Units
 - ① ADH/Adhesion Process Station : 1ea
 - ② LHP/Low Temperature Hot Plate Station : 5ea
 - ③ CPL/Chilling Pate Process Station : 5ea
 - ④ TCP/Transition Chill Plate : 1ea
 - ⑤ TRS/Transition Stage Unit : 1ea

F. Block #3 : IFB/Interface Station Block

- a. IRA/Interface Robotics Arm : 1ea
- b. WEE/Wafer Edge Exposure Process Station : 1ea
- c. THS/Temporary Holding Stage : 1ea

G. External Chemical Supply System #1

- a. Solvent Supply System for 2-1 COT
 - ① Solvent Chemical Type : 1ea
 - ② CSS Bulk-Fill to Auto Supply System with 2 Buffer Tanks
 - ③ 2 Buffer Tanks (3 Liter/Tank, Teflon) : Missing
- b. Develop Supply System for 2-3 DEV and 2-4 DEV
 - ① Develop Solution Chemical Type : 1ea
 - ② CSS Bulk-Fill to Auto Supply System with 2 Buffer Tanks
 - ③ 2 Buffer Tanks (3 Liter/Tank, Teflon) : Missing
- c. HMDS Supply System for 1 ADH
 - ① HMDS Chemical Type : 1ea
 - ② Manual Supply System Type with 1 Teflon Buffer Tank (3 Liter/Tank)

H. External Chemical Supply System #2

- a. Photo Resist Supply System for 2-1 COT
 - ① 4 Bottles of Manual Supply Type

I. T&H/Temperature and Humidity Controller : 1ea

- a. TEL OEM Shinwa CPE for COT 2-1 only

J. Thermo Controller

- a. TEL OEM SMC Multi Controller
- b. Total 9 Channels
 - ① 1 Chilling Channel for 2-1 COT
 - ② 1 Chilling Channel for 2-3 DEV
 - ③ 1 Chilling Channel for 2-4 DEV
 - ④ 1 Chilling Channel for 2 Motor Flanges at 2-3 DEV and 2-4 DEV
 - ⑤ 5 Chilling Channels for 5 CPLs

K. Robots : Total 3 Robots

- a. 1 CRA/Cassette Station Block Robot Arm
- b. 1 PRA/Process Station Block Main Robot Arm

c. 1 IRA/Interface Station Block Robot Arm

L. Power Transformer AC Cabinet : 208VAC, 3 Phases, 50/60Hz

M. Software Version : 1.18

Please refer to “Intellectual Property Responsibilities” at “Article 7. Important Notice”.

N. TEL S2-93 Safety Specification Complied

7. Important Notice

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

2) Intellectual Property Responsibilities

A. All software, if any, is sold “as is” and without warranty of any kind.

Seller expressly disclaims all warranties express or implied on software, including but not limited to, Noninfringement of third party rights, and any implied warranties of merchantability or fitness for a particular purpose. Seller does not warrant that the functions contained in the software will meet Buyer’s requirements, or that the operation of the software will be uninterrupted or error-free.

B. Seller and Equipment owner does not transfer license to the Buyer to use any Software. Buyer shall obtain license directly from the manufacturer of the Equipment. This Agreement does not grant to Buyer a license or right to use the intellectual property (including without limitation the names, patents, trademarks or copyrighted works) owned or controlled by Equipment owner or Equipment manufacturer. Any attempt to assign or transfer any of the rights, duties or obligations herein without obtaining prior written permission of the other party shall render such attempted assignment or transfer null and void. Thus, Buyer shall obtain no title to any software or other licensed products (“Products”) accompanied or attached to the Equipment delivered to Buyer, and such Products shall at all times remain the property of the owner. Prior to the legal use of any such Products, Buyer shall be responsible to obtain permission from the owner.