

Upgraded Oven Exhaust Units (Upgrade/Modification) for 300mm Photo Resist Coat and Develop System

Application for DUV Process

- TEL/Tokyo Electron Limited Lithius i, Lithius i+, Lithius Pro
- Sokudo RF3, RF3S, RF Duo
- TEL/Tokyo Electron Limited Clean Track ACT 12

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Note : Lithius Series is a trademark of TEL/Tokyo Electron Limited.

RF3, RF3S, RF Duo is trademarks of Sokudo

1. Overview

1) Current Issues of Oven Units at TEL Lithius Series

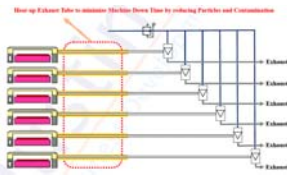
- A. Oven Exhaust Lines are all Seriously contaminated due to Fumes clogged by low room temperature through Exhaust Line from Heat Exhaust.
- B. Contaminated Exhaust Lines are root-cause of Process Failure and Defects Issues on both Coat Unit and Develop Unit.

2) Solutions

- A. Heat-up the Exhaust Lines to remove Fumes caused by Temperature Gaps.
- B. Performances
 - a. Avoid Particles or Contamination of Exhaust Line which is directly connected to Hot Plate Station.
 - b. Enhance Process Performances
 - c. Minimize Machine Down Time

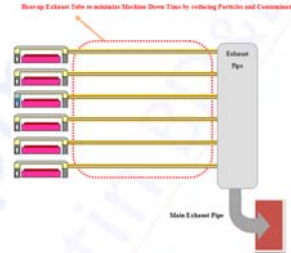
3) Configuration

A. Oven Blocks for Normal Coat Unit or Develop Unit



Please contact us for more details.

B. Oven Blocks for ARC Unit



2. Product Details

1) Tube Heating System

Specification	
Temperature	Room Temp ~ 140°C
Temperature Sensor	Thermal Couple
Over Heating Interlock Sensor	Fuse Type at 120°C

2) Temperature Controller

Specification	
Control Type	PID Controller
Channels Available	32 Channels
Over Heating Interlock	Over 120°C

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3. Benefits and Performances

1) ARC Oven Unit

A. As-is (TEL Lithius)



B. After Upgrade/Installation

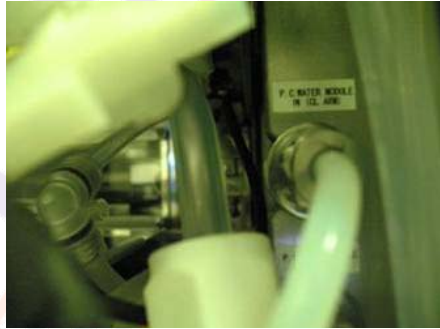


2) PEB/Post Exposure Bake Oven Unit

A. As-is (TEL Lithius)



B. After Upgrade/Installation



Please contact info@justinbdnl.com to inquire more details.