

Tazmo/TOK TR2800 Photo Resist/Color Filter Coating System Module Description

System Product Process Flow – Start to Finish

INX – Pod/Cassette based SMIF indexer (2) Load Module

LDR – TRF1 – Robotic Extraction of Substrates from Selected Cassette.

ALN1 – Substrate Rotation of 90 Degrees and Alignment for Downstream Module (VAP)

VAP –Vapor Prime (HMDS) Process within a Heated Vacuum Chamber

CLP1 – Cool Plate for Cooling Substrate before Transfer to Downstream Module

ALN2 - Substrate Alignment for Downstream Module (COT)

COT – Extrusion Coating of Resist or Color Filter Process Module

RTC –Spin Coating of Resist or Color Filter Process Module

VCD – Vacuum Dry Chamber Process Module

ALN3 - Substrate Alignment for Downstream Module (EBR)

EBR – Edge Bead Removal Process Module

PRB – BKP1/BKP2, CLP2 AND TRF2 – Soft Bake, Substrate Transfer and Cool Plate Modules

ULD- TRF3 AND ALN4 - Robotic Insertion and Alignment of Substrates to Selected Cassette.

INX – Pod/Cassette based SMIF Indexer (2) Unload Module

Sub-Module Cabinets

DISTRUBUTION CABINET – Main Power Distribution Cabinet

CHILLER 1 – For CLP1 Temperature Control

CONTROL BOX (COT) – Located within the INX Module. PLC Controller for the COT Module

CSC5 – Sub Tank – Fluid (Resist or Color filter) Delivery System for the COT Module

CSC1 – Solvent Delivery System for COT and RTC Module Cleaning

CSC2 – Waste Solvent Recovery System for COT and RTC Module

EXH BLOWER – EBR Module Drying Process

CSC3 – Solvent Delivery System for EBR Module

Sub-Module Cabinets, continued

CSC4 – Waste Solvent Recovery System for EBR Module

CHILLER 2 – For CLP2 Temperature Control

TANK TRAP/WASTE PUMP –Solvent Separation System for EBR Module

CTC – Fluid (Resist or Color Filter) Delivery System for the RTC Module

CWS – Fluid (Resist or Color Filter) Delivery System for the COT Module

DRY VACUUM PUMP – Kashiyama ME 603 Vacuum Pump Package for the VCD Module.

