



## PTW ASIA PTE LTD

Tokyo Electron Ltd. Expedius+ Batch Wafer Processing	
<b>Manufacturer</b>	Tokyo Electron Ltd.
<b>Model</b>	Expedius+
<b>Product Description</b>	Batch Wafer Processing
<b>Year of Manufacture</b>	2007
<b>Serial Number</b>	W083557
<b>Wafer Size</b>	300mm
<b>Application</b>	Pre Diffusion Clean
<b>Bath-1: SPM</b> Operating: 110 - 150°C, H2SO4/H2O2 (3:1), circulation Chemical spiking: auto concentration feedback Bath Material: Quartz	
<b>Bath-2: QDR (hot)</b> Operating: DIW rinse (75°C, 40 – 80 L/min) Bath Material: PTFE Megasonic: 950 kHz, 2400W (600*4)	
<b>Bath-3: APM</b> Operating: 35 - 85°C, NH4OH/H2O2/DIW (1:1:15), 15 L/min, circulation Chemical spiking: auto concentration feedback Bath Material: PTFE Megasonic: 950 kHz, 2400W (600*4)	
<b>Bath-4: POU</b> Operating: 70°C, NH4OH/H2O2 DIW Shower (hot / cold) Bath Material: PTFE Megasonic: 950 kHz, 2400W (600*4)	
<b>Bath-5: HPM</b> Operating: 35 - 80°C, HCL/H2O2/DIW (1:1:5) Bath Material: Quartz	

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**Bath-6: QDR (hot)**

**Operating: DIW rinse (75°C, 40 – 80 L/min)**

**Bath Material: PTFE**

**Megasonic: 950 kHz, 2400W (600\*4)**

**Dryer: SD2**

**Operating: 49% DHF (1:200), IPA/N2 200°C, 100 L/min**

**Resistivity monitoring (Horiba)**

**Bath Material: PTFE**

**Damaged / Missing parts:**

**IPA Detect Sensor damage SPM Bath damage**



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