

| Tool ID             | HODF4          | WS820C/HF/DIW/SC1/DIW/DIW/Vaper Dryer |
|---------------------|----------------|---------------------------------------|
| <b>System</b>       | Manufacturer   | DNS                                   |
|                     | Model          | WS820C                                |
|                     | Serial         | 55520-2108                            |
|                     | Vintage        | 1996                                  |
|                     | CASSETTE       | PFA 8" 50wf (KM-820)                  |
|                     | Wafer Shape    | SNNF (Semi Notch No Flat)             |
|                     | Size           | 7670mm(W) x 2380mm(D) x 2800mm(H)     |
|                     | SMIF Interface | NO                                    |
|                     | Wafer size     | 200mm                                 |
|                     | CLEAN UNIT     | ULPA                                  |
|                     | robot          | 5                                     |
| <b>Process bath</b> | Loader         | Wafer transfer, 4stock PFA cassette   |
|                     | Chuck clean    | DIW spray and N2 Dry                  |
|                     | HF             | PTFE / 25C                            |
|                     | EDR            | Quartz / Cold DIW with shower         |
|                     | SC1            | Quartz / Megasonic / 25C              |
|                     | QDR            | Quartz / Cold DIW with shower         |
|                     | Final rinse    | Quartz / Cold DIW with resistivity    |
|                     | Dryer          | Quartz / Vapor Dryer                  |
|                     | Un-loader      | Wafer transfer, 4stock PFA cassette   |
| <b>Megasonic</b>    | Manufacturer   | Kaijo co.                             |
|                     | Type           | 6848 (SC1)                            |
|                     | Power          | 950kHz 400w x4 (SC1)                  |
| <b>Chemical</b>     | Chemical1      | NH4OH                                 |
|                     | Chemical2      | H2O2                                  |
|                     | Chemical3      | HF                                    |
|                     | Chemical4      | IPA                                   |
|                     | DIW            | Hot and Cold                          |
| <b>Electrical</b>   | Power          | 100v 150A / 200v 115A                 |
|                     | SECS           | SECS II                               |
|                     | UPS            | 100v 6kVA                             |
| <b>Exhaust</b>      | ACID           | 1                                     |
|                     | ALKALI         | 1                                     |

|        |               |                                                              |
|--------|---------------|--------------------------------------------------------------|
|        | SOLVENT       | 1                                                            |
| Option | Sensor        | Horiba HF sensor CM-201                                      |
|        | Sensor        | Kurabo sensor KCM-21-UV                                      |
|        | Notch aligner | Loader                                                       |
|        | Ionizer       | Loader                                                       |
|        | WF rotation   | Back to Back wafer transfer (even slot rotation) load/unload |

