

물 품 사 양 서 COMMODITY DESCRIPTION

1. 품명	ALD System																																																																		
2. 수량	1 set	3. 작성일	2019.10.10																																																																
4. 세부사양 (Specifications)																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">No.</th> <th style="width: 40%;">Item</th> <th style="width: 50%;">Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Chamber type</td> <td>Lateral Type (Traveling Wave)</td> </tr> <tr> <td>2</td> <td>Type</td> <td>Thermal Time Divided ALD</td> </tr> <tr> <td>3</td> <td>Uniformity</td> <td>$\leq \pm 3\%$</td> </tr> <tr> <td>4</td> <td>Size</td> <td>900 x 480 x 450 mm</td> </tr> <tr> <td>5</td> <td>Substrate size</td> <td>6" Wafer / 150x150 glass</td> </tr> <tr> <td>6</td> <td>Substrate temperature</td> <td>25°C ~ 450°C</td> </tr> <tr> <td>7</td> <td>Weight</td> <td>80 kg</td> </tr> <tr> <td>8</td> <td>GDS</td> <td>2 Source (2Bubbler) + 2 Reactant (1Vap + O₃)</td> </tr> <tr> <td>9</td> <td>Materials</td> <td>Aluminum</td> </tr> <tr> <td rowspan="2">10</td> <td rowspan="2">Gas Box</td> <td>Process: Ar / O₃ ~500 sccm</td> </tr> <tr> <td>Reactant: H₂O / O₃</td> </tr> <tr> <td>11</td> <td>Vacuum Gauge</td> <td>Baratron Gauge</td> </tr> <tr> <td>12</td> <td>Pump Type</td> <td>Rotary Oil Pump</td> </tr> <tr> <td>13</td> <td>Base Pressure</td> <td>$\leq 1.0 \text{ E-3 Torr}$</td> </tr> <tr> <td>14</td> <td>Gases</td> <td>4 ± 1 Bar Regulated Clean Inert Gases (1/4" VCR; 2 Port)</td> </tr> <tr> <td>15</td> <td>Air</td> <td>4 ± 1 Bar Regulated Clean Dry Air (Ø10 Air hose)</td> </tr> <tr> <td>16</td> <td>Power supply</td> <td>220 VAC; 60 Hz; 30 Amps</td> </tr> <tr> <td>17</td> <td>Vacuum</td> <td>NW/KF 40 Size Fore-Line</td> </tr> <tr> <td>18</td> <td>Bottle(Canister) Thermal Control</td> <td>Heating jackets for precursor bottles with temperatures up to 200°C ± 1°C</td> </tr> <tr> <td>19</td> <td>Bottle Volume</td> <td>Self Evaporation Type is 135 CC and Bubbler Type is 250 CC</td> </tr> <tr> <td>20</td> <td>Carrier/Venting Gas</td> <td>Script settable high speed MFC 0-500 SCCM</td> </tr> </tbody> </table>				No.	Item	Description	1	Chamber type	Lateral Type (Traveling Wave)	2	Type	Thermal Time Divided ALD	3	Uniformity	$\leq \pm 3\%$	4	Size	900 x 480 x 450 mm	5	Substrate size	6" Wafer / 150x150 glass	6	Substrate temperature	25°C ~ 450°C	7	Weight	80 kg	8	GDS	2 Source (2Bubbler) + 2 Reactant (1Vap + O ₃)	9	Materials	Aluminum	10	Gas Box	Process: Ar / O ₃ ~500 sccm	Reactant: H ₂ O / O ₃	11	Vacuum Gauge	Baratron Gauge	12	Pump Type	Rotary Oil Pump	13	Base Pressure	$\leq 1.0 \text{ E-3 Torr}$	14	Gases	4 ± 1 Bar Regulated Clean Inert Gases (1/4" VCR; 2 Port)	15	Air	4 ± 1 Bar Regulated Clean Dry Air (Ø10 Air hose)	16	Power supply	220 VAC; 60 Hz; 30 Amps	17	Vacuum	NW/KF 40 Size Fore-Line	18	Bottle(Canister) Thermal Control	Heating jackets for precursor bottles with temperatures up to 200°C ± 1°C	19	Bottle Volume	Self Evaporation Type is 135 CC and Bubbler Type is 250 CC	20	Carrier/Venting Gas	Script settable high speed MFC 0-500 SCCM
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