

## Applied Materials Centura Poly Etch DPS+ Poly Silicon Etch System, 8"

Asset ID: 37604

### Configuration Details:

Applied Materials Centura Poly Etch DPS+ Poly Silicon Etch System, 8"

- 2x DPS+ Poly Chambers  
1999 Vintage



**More Photos on Following Pages**

To our knowledge, the information contained in this data sheet is accurate, but it may contain errors and we do not warrant the completeness or accuracy of this data.

*Interested parties may contact Bridge Tronic Global for additional information at +1 949.396.1395 or [sales@bridgetronic.com](mailto:sales@bridgetronic.com)*



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System Diagram					
Wafer Size	Wafer Shape	SMIF Interface	MF Facilities	System Power	
200mm	SNNF(Notch)	No	Bottom	208V/400A	
Chamber A				Loadlock Pump Type	
DPS Poly				Chamber B	EBARA/AA20N
Chamber C				Chamber D	Loadlock Slit Valve O Rings
Process A				Process B	Heat Exchanger 1
Poly				Process D	RASCO/WTC-D182-AMJ
Process C				Chamber F	Heat Exchanger 2
Chamber E				Orienter	Heat Exchanger 3
Buff Pump Type				Hard Drive	Heat Exchanger 4
EBARA/AA20N				Wafer Sensor	
HP				Standard	
Buff Robot Blade	EMO's	CRT			
SUS	Turn to Release	2			
Software Revision	GEM Interface	OTF			
E5033	No	Signal Tower			
Umbilical Cable	Loadlock Type	3 COLOR			
Controller to Mainframe	Wide Body				
0150-76206					
Controller to AC Rack					
0150-76174					
RF to Chamber Coaxial					
0620-02431					
Pump Interface Cable					
75ft 0150-36344					

System Information							
Dry Pump	Maker	MODEL	S/N	Chiller	Maker	Model	S/N
A	EBARA	AA40WN		1	RASCO	WTC-D182-AMJ	WT81004R
B	EBARA	A30WN		2	N/A		
C	N/A			3	N/A		
D	N/A			4	N/A		
I/I	EBARA	AA20N					
BUFF	EBARA	AA20N					

**System Notes: Write Down Special Item or Unusual**

- \*EPD CONTROLLER WAS DE-INSTALLED
- \*EPD MONITOR IS LCD
- \*BIAS RF HARMONIC FILTER INSTALLED
- \*L/L PUMP FAIL(MP DRIVE ALARM)
- \*REMOTE UPS INSTALLED

**Chamber A Information**

<b>Chamber Type</b> DPS+	<b>Chamber Process</b> poly	<b>ESC Type</b> Polymide	<b>IHC Type</b> MKS640
<b>Manometer Config</b> Dual	<b>Lid Type</b> Clamp	<b>Wall Cooling</b> 70	<b>Chamber Pump</b> EBARA/AA40WN
<b>Manometer 1</b> MKS627A 0.1T	<b>Throttle Valve</b> Plunger	<b>Cathode Cooling</b> 50	
<b>Manometer 2</b> MKS625A 10T	<b>RF Gen Source</b> Atlas2012	<b>Endpoint System</b> Monochrometer	<b>Turbo Pump</b> MITSUBISHI / FT 2200W
<b>Slit Valve O-Ring</b> Can't VIEW	<b>RF Gen Bias</b> RF5S	<b>Endpoint Software Rev.</b> Can't VIEW	<b>Heating Jacket</b> N/A
<b>Source RF Match</b> Standard	<b>Bias RF Match</b> Standard	<b>Gate Valve Position</b> Gate Valve	<b>Magnet Driver</b> N/A

**Chamber Gasses:**

	MFC Size	Gas Name	MFC Maker	MFC Model Number	Gas Stick Configuration
Gas 1	200	CL2	TYLAN	FC-2950MEP5	Toxic
Gas 2	N/A				
Gas 3	200	HBR	TYLAN	FC-2950MEP5	Toxic
Gas 4	N/A				
Gas 5	10	O2	TYLAN	FC-2950MEP5	Non-Toxic
Gas 6	100	O2	TYLAN	FC-2950MEP5	Non-Toxic
Gas 7	200	CF4	TYLAN	FC-2950MEP5	Non-Toxic
Gas 8	20	N2	TYLAN	FC-2950MEP5	Non-Toxic
Gas 9	200	SF6	TYLAN	FC-2950MEP5	Non-Toxic
Gas 10	N/A				
Gas 11					
Gas 12					

Function Check	Result	Function Check	Result
Chamber Leak	0.06mT	Robot Operation	OK
Base Pressure	0.1mT	Indexer Operation	OK
ESC Operation	OK	Turbo Pump	OK
Bias RF On/Off	OK	Manometer(Dual)	OK
Source RF On/Off	OK	Endpoint	Can't VIEW
IHC Operation	OK	Throttle Valve(TGV)	OK

Item	Maker / Model	Item	Maker / Model
Source Matcher	OEM/STD (AE)	Turbo Pump	MITSUBISHI / FT2200W
DTCU	OEM/STD (ES)	Bias Matcher	OEM/STD
Throttle Valve(TGV)	OEM/STD(NSK)_plunger	Source RF Generator	AE/ATLAS2012
Gate Valve(TGV)	OEM/STD (VAT)	Bias RF Generator	RFPP/RF5S
TGV Controller	N/A	EPD Controller	OEM/STD(MONO)

**Chamber Notes: Write Chamber Specification**

\*BIAS RF HARMONIC FILTER INSTALLED

**Chamber B Information**

<b>Chamber Type</b> DPS+	<b>Chamber Process</b> poly	<b>ESC Type</b> Polymide	<b>IHC Type</b> MKS640
<b>Manometer Config</b> Dual	<b>Lid Type</b> Clamp	<b>Wall Cooling</b> 70	<b>Chamber Pump</b> EBARA/A30WN
<b>Manometer 1</b> MKS627A 0.1T	<b>Throttle Valve</b> Plunger	<b>Cathode Cooling</b> 50	<b>Turbo Pump</b> MITSUBISHI / FT 2200W
<b>Manometer 2</b> MKS625A 10T	<b>RF Gen Source</b> Atlas2012	<b>Endpoint System</b> Monochrometer	<b>Heating Jacket</b> N/A
<b>Slit Valve O-Ring</b> Can't VIEW	<b>RF Gen Bias</b> RF55	<b>Enpoint Software Rev.</b> Can't VIEW	<b>Magnet Driver</b> N/A
<b>Source RF Match</b> Standard	<b>Bias RF Match</b> Standard	<b>Gate Valve Position</b> Gate Valve	

**Chamber Gasses:**

	MFC Size	Gas Name	MFC Maker	MFC Model Number	Gas Stick Configuration
Gas 1	200	CL2	TYLAN	FC-2950MEP5	Toxic
Gas 2	N/A				
Gas 3	200	HBR	TYLAN	FC-2950MEP5	Toxic
Gas 4	N/A				
Gas 5	10	O2	TYLAN	FC-2950MEP5	Non-Toxic
Gas 6	50	O2	TYLAN	FC-2950MEP5	Non-Toxic
Gas 7	200	CF4	TYLAN	FC-2950MEP5	Non-Toxic
Gas 8	20	N2	TYLAN	FC-2950MEP5	Non-Toxic
Gas 9	200	SF6	TYLAN	FC-2950MEP5	Non-Toxic
Gas 10	N/A				
Gas 11					
Gas 12					

Function Check	Result	Function Check	Result
Chamber Leak	0.18mT	Robot Operation	OK
Base Pressure	0.01mT	Indexer Operation	OK
ESC Operation	OK	Turbo Pump	OK
Bias RF On/Off	OK	Manometer(Dual)	OK
Source RF On/Off	OK	Endpoint	Can't VIEW
IHC Operation	OK	Throttle Valve(TGV)	OK

Item	Maker / Model	Item	Maker / Model
Source Matcher	OEM/STD (AE)	Turbo Pump	MITSUBISHI / FT2200W
DTCU	OEM/STD (ES)	Bias Matcher	OEM/STD
Throttle Valve(TGV)	OEM/STD(NSK)_Plunger	Source RF Generator	AE/ATLAS2012
Gate Valve(TGV)	OEM/STD (VAT)	Bias RF Generator	RFPP/RF55
TGV Controller	N/A	EPD Controller	OEM/STD(MONO)

**Chamber Notes: Write Chamber Specification**

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