



## DCVD SYSTEM SPECIFICATION CENTURA AP

### System Specification 1

#### System Overview

<u>General Information</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>
Customer Name			
Customer Number			
Fab Name	SYSTEM ORDER		
Unit Number	DCVD		
Fab Region	CENTURA AP		
Forecast or Order			
Technology			
Platform Type			
Project Package Number			
Opportunity Number			
Sales Engineer Name			
Sales Engineer Phone Number			
Sales Engineer Pager Number			
Quote/Sales Order Number			

<u>Device Fabrication Info</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>
Application	STI-STI		

<u>Wafer Specification</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>
Wafer Size	300MM (12 INCH)		
Wafer Shape	NOTCH		

<u>Chamber Type/Location</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>
Position A	(Z7) ULTIMA X HDP-CVD		
Position B	(Z7) ULTIMA X HDP-CVD		
Position C	(Z7) ULTIMA X HDP-CVD		
Position D	EMPTY		
Position A Process	(01) OXIDE - USG		
Position B Process	(01) OXIDE - USG		
Position C Process	(01) OXIDE - USG		
Position D Process	NOT APPLICABLE		

#### DCVD Centura AP System

<u>Sales Information</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>
Product Delivery Team Contact			

### (A) - (Z7) ULTIMA X HDP-CVD

<u>Ultima X Chamber Options</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>	<u>Note #</u>
IR Diagnostic	NO			
Turbo Pump	STANDARD TMP-3203			
Nozzle Type	2.28 ALO			
Gas Ring	30 PORT			
Top Baffle	ALO			

### (B) - (Z7) ULTIMA X HDP-CVD

<u>Ultima X Chamber Options</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>	<u>Note #</u>
IR Diagnostic	NO			
Turbo Pump	STANDARD TMP-3203			
Nozzle Type	2.28 ALO			
Gas Ring	30 PORT			
Top Baffle	ALO			

### (C) - (Z7) ULTIMA X HDP-CVD

<u>Ultima X Chamber Options</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>	<u>Note #</u>
IR Diagnostic	NO			
Turbo Pump	STANDARD TMP-3203			
Nozzle Type	2.28 ALO			
Gas Ring	30 PORT			
Top Baffle	ALO			

### Gas Delivery Options

<u>Gas Panel</u>	<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>	<u>Note #</u>
Gas Feed	BOTTOM			
Gas Panel Exhaust	TOP			
MFC Type	AERA PRIMAERA			
Divert	YES			
Display Gas Pallets	YES			

### A - (Z7) ULTIMA X HDP-CVD PALLET

<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>	<u>Note #</u>
USG ST1 w/ He/ H2			
N2 PURGE			
O2 - 1.0SLM			
H2 - 1.0 SLM			
He/Ar - 600SCCM			
SiH4 - 400SCCM			
Ar - 1.0 SLM			
He/Ar - 600SCCM			
H2 - 1.0 SLM			
SiH4 - 50SCCM			
Ar - 50SCCM			
NF3 - 400SCCM			
NF3 - 3.0SLM			
Ar - 3.0SLM			
N2 PURGE			

### B - (Z7) ULTIMA X HDP-CVD PALLET

<u>Selected Option</u>	<u>Part# or NSR#</u>	<u>Part or NSR Description</u>	<u>Note #</u>
USG ST1 w/ He/ H2			
N2 PURGE			
O2 - 1.0SLM			
H2 - 1.0 SLM			
He/Ar - 600SCCM			
SiH4 - 400SCCM			
Ar - 1.0 SLM			

Line 7	He/ Ar - 600SCCM
Line 8	H2 - 1.0 SLM
Line 9	SiH4 - 50SCCM
Line 10	Ar - 50SCCM
Line 11	NF3 - 400SCCM
Line 12	NF3 - 3.0SLM
Line 13 Lower	Ar - 3.0SLM
Line 13 Upper	N2 PURGE

**C - (Z7) ULTIMA X HDP-CVD PALLET**

	<b><u>Selected Option</u></b>
Gas Pallet	USG STI w/ He/ H2
Line 1	N2 PURGE
Line 2	O2 - 1.0SLM
Line 3	H2 - 1.0 SLM
Line 4	He/ Ar - 600SCCM
Line 5	SiH4 - 400SCCM
Line 6	Ar - 1.0 SLM
Line 7	He/ Ar - 600SCCM
Line 8	H2 - 1.0 SLM
Line 9	SiH4 - 50SCCM
Line 10	Ar - 50SCCM
Line 11	NF3 - 400SCCM
Line 12	NF3 - 3.0SLM
Line 13 Lower	Ar - 3.0SLM
Line 13 Upper	N2 PURGE

<b><u>Part# or NSR#</u></b>	<b><u>Part or NSR Description</u></b>	<b><u>Note #</u></b>
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**D - EMPTY PALLET**

	<b><u>Selected Option</u></b>
Gas Pallet	NOT APPLICABLE
Line 1	NOT APPLICABLE
Line 2	NOT APPLICABLE
Line 3	NOT APPLICABLE
Line 4	NOT APPLICABLE
Line 5	NOT APPLICABLE
Line 6	NOT APPLICABLE
Line 7	NOT APPLICABLE
Line 8	NOT APPLICABLE
Line 9	NOT APPLICABLE
Line 10	NOT APPLICABLE
Line 11	NOT APPLICABLE
Line 12	NOT APPLICABLE
Line 13 Lower	NOT APPLICABLE
Line 13 Upper	NOT APPLICABLE

<b><u>Part# or NSR#</u></b>	<b><u>Part or NSR Description</u></b>	<b><u>Note #</u></b>
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**Factory Interface Options**

**Factory Interface System**

	<b><u>Selected Option</u></b>
WIP Delivery Type	OHT WIP DELIVERY
Number of Load Ports	2 LOAD PORTS
Atmospheric Robots	KAWASAKI 2 FIXED ROBOTS WITH EDGE GRIP
Metrology and Inspection Units	NANOMETRICS READY
Wafer Pass Thru and Storage	8 SLOT WAFER PASS THRU AND STORAGE
Load Port Types	ENHANCED 25 WAFER FOUF
E84 Carrier Handoff	UPPER E84 INTERFACE ENABLED
E84 PIO Sensors and Cables	OHT UPPER E84 SENSORS AND CABLES
Docked E99 Reading Capability	NO
E99 Carrier ID	KEYENCE WITH BCR
OHT Light Curtain	NONE
Docking Flange Shield	NO
Load Port Operator Interface	STANDARD
Operator Access Switch	YES
Configurable Colored Lights	NO
Light Towers	4 COLOR CONFIGURABLE LIGHT TOWER

<b><u>Part# or NSR#</u></b>	<b><u>Part or NSR Description</u></b>	<b><u>Note #</u></b>
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**Remote Options**

**System Monitors**

	<b><u>Selected Option</u></b>
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<b><u>Part# or NSR#</u></b>	<b><u>Part or NSR Description</u></b>	<b><u>Note #</u></b>
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Monitor 1 FLAT PANEL WITH KEYBOARD ON  
 Monitor 2 STAND  
 Monitor 3 REMOTE FLAT PANEL ON STAND  
 NONE

<u><b>Umbilicals</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
Heat Exchanger Hose Length	75 FT			

<u><b>Pumps</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
Pump Interface Type	EDWARDS			

<u><b>AC Racks</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
Facilities UPS Interface	NO			
Chamber Generator Type	ENI GENERATOR RACK			

### Service Options

<u><b>System Inspection/Shipping</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
Source Inspection	4-HOUR DOCUMENTATION ONLY			

<u><b>Warranty/Service</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
Standard Warranty	12 MONTH STANDARD WARRANTY			

### Additional Options

<u><b>Additional Items</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
HDPCVD Chamber FIF Kit	NO			
Factory Interface FIF Kit	NO			
Mainframe FIF Kit	NO			

<u><b>System Spares 1-25</b></u>	<u><b>Selected Option</b></u>	<u><b>Part# or NSR#</b></u>	<u><b>Part or NSR Description</b></u>	<u><b>Note #</b></u>
Spares Format: 1234-56789 Must be in Item Master and Price Master or export/import to Oracle will fail.				

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Spares 1 Number	0040-04504
Spares 1 Description	Side coil
Spares 1 Quantity	1

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Spares 2 Number	0040-48594
Spares 2 Description	E-chuck
Spares 2 Quantity	1

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Spares 3 Number	0200-01347
Spares 3 Description	Dome
Spares 3 Quantity	1

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Spares 4 Number	3030-11810
Spares 4 Description	MFC PN980 100sccm Ar\$
Spares 4 Quantity	3
Spares 26 to 50	NO

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