

POLY ETCH SYSTEM SPECIFICATION

ETCH CENTURA II

System Specification

System Overview

General Information

Technology	POLY ETCH
Platform Type	ETCH CENTURA II

Device Fabrication Info

Selected Option

Wafer Specification

Selected Option

Wafer Size	150mm
Wafer Shape	JMF

Chamber Type/ Location

Selected Option

Position A	POLY DPS	
Position B	POLY DPS	
Position C	POLY DPS	Missing - Additional Installation Required
Position D	EMPTY	
Position E	EMPTY	
Position F	(OA) ORIENTER with narrow hoop	

Customer Fab Options

Electrical Requirements

Selected Option

Line Frequency	50 Hz / 60Hz
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System Safety Equipment

Selected Option

EMO Switch Type	TURN TO RELEASE EMO ETI COMPLIANT
EMO Guard Ring	INCLUDED
Smoke Detector At Controller	YES
Smoke Detector At Gen Rack	YES
Water and Smoke Detector	ALARM

CHA / POLY DPS

POLY DPS Chamber Options

Selected Option

Customer Process Application	DPS POLY R1	
Upper Chamber Body	NORMAL ANODIZED	
Process Kit	SINGLE RING	
Dome	CERAMIC DOME	
Electrostatic Chuck Type	POLYIMIDE ESC	
Turbo Pump	LEYBOLD, MAG2000	
Endpoint Window	QTZ	
Dome and DTCU	UNIVERSAL DOME AND R1 DTCU	
Endpoint Type	MONOCHROMATOR	
Bias Generator	RFPP RF-5S 500W / 13.56MHz	
Bias Match	STANDARD	
Source Generator	AE RF-20R 2000W / 12.56MHz	
Pressure Control	Throttle Valve	Missing - Additional Installation Required

CHB / POLY DPS

POLY DPS Chamber Options

Customer Process Application	Selected Option
Upper Chamber Body	DPS POLY R1
Process Kit	NORMAL ANODIZED
Dome	SINGLE RING
Electrostatic Chuck Type	CERAMIC DOME
Turbo Pump	POLYIMIDE ESC
Endpoint Window	LEYBOLD, MAG2000
Dome and DTCU	QTZ
Endpoint Type	UNIVERSAL DOME AND R1 DTCU
Bias Generator	MONOCHROMATOR
Bias Match	RFPP RF-5S 500W / 13.56MHz
Source Generator	STANDARD
Pressure Control	AE RF-20R 2000W / 12.56MHz
	Throttle Gate Valve W/Contoller

Gate Valve Missing

CHC / POLY DPS

POLY DPS Chamber Options

Customer Process Application	Selected Option
Upper Chamber Body	DPS POLY R1
Process Kit	NORMAL ANODIZED
Dome	SINGLE RING
Electrostatic Chuck Type	CERAMIC DOME
Turbo Pump	POLYIMIDE ESC
Endpoint Window	LEYBOLD, MAG2000
Dome and DTCU	QTZ
Endpoint Type	UNIVERSAL DOME AND R1 DTCU
Bias Generator	MONOCHROMATOR
Bias Match	RFPP RF-5S 500W / 13.56MHz
Source Generator	STANDARD
Pressure Control	AE RF-20R 2000W / 12.56MHz
	Throttle Valve

Missing - Additional Installation Required

Gas Delivery Options

Pallet Options

Component Selection	Selected Option
Valve	PREMIUM
Transducer	FUJIKIN / VERIFLO
Regulator	MKS
Filter	FUJIKIN / VERIFLO
Transducer Displays	MILLIPORE
MFC Type	1 DISPLAY PER STICK
	AERA9800 & UNIT8160 Mixing

Gas Panel Pallet CHA

Gas Line Requirement

Pallet	Selected Option
Valve	4/6 - 1/6
Transducer	FUJIKIN
Regulator	MKS
Filter	
MFC Type	AERA9800 & UNIT8160 Mixing

3EA Missing

Gas Panel Pallet CHB

Gas Line Requirement

Pallet	Selected Option
	4/6 - 2/6

Valve	VERIFLO
Transducer	MKS
Regulator	VERIFLO
Filter	MILLIPORE
MFC Type	AERA9800 & UNIT8160 Mixing

Gas Panel Pallet CHC

<u>Gas Line Requirement</u>	<u>Selected Option</u>	
Pallet	4/6 - 2/6	Missing
Valve		Missing
Transducer		Missing
Regulator		Missing
Filter		Missing
MFC Type	AERA9800 & UNIT8160 Mixing	

Gas Panel Features

<u>Gas Panel Features</u>	<u>Selected Option</u>
Gas Panel Facilities Hook Up	SLD STANDS FOR SINGLE LINE DROP
Gas Panel Exhaust	BD CHAMBER SIDE TOP
Gas Panel Controller	VME II

Mainframe

<u>General Mainframe Options</u>	<u>Selected Option</u>
Facilities Type	REGULATED
Facilities Orientation	MAINFRAME FACILITIES BACK CONNECTION

<u>Loadlock/Cassette Options</u>	<u>Selected Option</u>
Loadlock Type	WBLL W/ AUTO-ROTATION
Loadlock Platform	UNIVERSAL
Cassette Type Supported	KA200 85MTRHS 47C02
Loadlock Cover Finish	ANTI-STATIC PAINTED
Loadlock Slit Valve Oring Type	KALREZ
Wafer Mapping	ENHANCED
Integrated Cassette Sensor	YES

<u>Transfer Chamber Options</u>	<u>Selected Option</u>
Transfer Ch Manual Lid Hoist	YES
Purge N2 MFC full scale	1000 sccm
Robot Type	CENTURA HP+ ROBOT
Robot Blade Option	ROUGHENED AL BLADE
Wafer On Blade Detector	BASIC
Loadlock Vent	BOTTOM VENT

Fab Interface

<u>Front Panel</u>	<u>Selected Option</u>
Front Panel	ANTI-STATIC PAINTED
Signal Light Tower	3 COLOR SIGNAL LIGHT TOWER INCLUDING RED LIGHT

<u>3 Color Signal Light Tower Configuration</u>	<u>Selected Option</u>
Top Light Color	RED
Second Light Color	YELLOW
Third Light Color	GREEN
Signal Light Tower Buzzer	Enable

Remotes

System Controller

Computer Type
Controller Type
Cntrlr Electrical Interface
Controller Exhaust
Controller Cover Option
Adaptor for SECS Port 25 Pos
Exhaust Duct

Selected Option

VME CONTROLLER (Comply with SBC V452)
66 INCH COMMON CONTROLLER
BOTTOM FEED
TOP EXHAUST
YES
YES
YES

System Monitors

Monitor Type
Monitor 1
Monitor 1 Cables
Monitor 2
Monitor 2 Cables

Selected Option

FLAT PANEL DISPLAY
STAND ALONE
25 Feet
STAND ALONE
40 Feet

AC Rack

GFI
AC Rack Types
Controller Facility Interface

Selected Option

30mAMP
66 INCH AC GEN RACK
REMOTE UPS INTERFACE ONLY

Generator Rack Options

RF On Indicator
RF Gen Rack Plexiglas Cover
Gen Rack Cooling Water
Gen Rack Manifold Facilities

Selected Option

YES
YES
GEN RACK WATER MANIFOLD
3/4 INCH COMPRESSION TUBE FITTINGS

Heat Exchanger

Heat Exchanger For Cathode
Heat Exchanger For Wall
Total HE Qty
Heat Exchanger Interface

Selected Option

Neslab HX 300
Neslab HX 300
2
CHX HEAT EXCHANGER INTERFACE

Umbilicals

Cntrlr to Mainframe Umbilical
Cntrlr to AC Rack Umbilical
AC To Mainframe Umbilical

Selected Option

40 FEET
40 FEET
40 FEET

Pumps**Pump Options**

Pump Configuration

Selected Option

PUMP INTERFACE ONLY

Pump Interface Only

LL Chamber Pump
Xfer Chamber Pump
Ch A Backing Pump
Ch B Backing Pump
Ch C Backing Pump
Pump Interface Qty

Selected Option

KASHIYAMA SDE 120
KASHIYAMA SDE 120
KASHIYAMA SDE 120
KASHIYAMA SDE 120

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