



# CENTURA Phase II ULTIMA TE

(RNX20200226-01)

2020.02.26



# AMAT Centura Phase II ULTIMA TE System

## Wafer Specification

<b>Wafer Size</b>	<b>200mm</b>	<b>Description</b>	<b>HDP-CVD</b>
<b>Model</b>	<b>CENTURA Phase II</b>	<b>Vintage</b>	<b>1999</b>

## System Configuration

**System : CENTURA Phase II ULTIMA TE**

**L/L Type : Narrow Body**

**Wafer Mapping : FWM**

**Wafer Robot : HP**

**Wafer On Blade Sensor : Yes**

**OTF : Yes**

**Ch- A ULTIMA TE**

**Cleaning Type : RPS (MKS : ASTRONi-AX7670-19)**

**Turbo Pump : BOC Edwards (STP-XH2603P)**

**Generator Rack Type : ENI Rack**

**Top Generator : ENI NOVA-50, Side Generator : NOVA-50, Bias Generator : GHW-50**

# **AMAT Centura Phase II ULTIMA TE System**

## **System Configuration**

### **Ch- B ULTIMA TE**

**Cleaning Type : RPS (MKS : ASTRONi-AX7670-19)**

**Turbo Pump : BOC Edwards (STP-XH2603P)**

**Generator Rack Type : ENI Rack**

**Top Generator : ENI NOVA-50, Side Generator : NOVA-50, Bias Generator : GHW-50**

**Ch-C : N/A**

**Ch-D : N/A**

**Ch-E : MS-Cool**

**Ch-F : Orientor**

### **Gas Panel Information (Ch-A)**

**Hand Valve : Veriflo**

**Air Operation Valve : Fujikin**

**Transducer : MKS Type LDM**

# AMAT Centura Phase II ULTIMA TE System

## System Configuration

**Regulator : Veriflo**

<b>Gas</b>	<b>Max Flow</b>	<b>Maker</b>	<b>Model</b>
O2	500sccm	Unit	UFC-8161
Ar	300sccm	AERA	FC-D980C
SiH4	200sccm	AERA	FC-D980C
H2	1slm	AERA	FC-D980C
He	400sccm	AERA	FC-D980C
SiH4	50sccm	AERA	FC-D980C
H2	1slm	AERA	FC-D980C
He	400sccm	AERA	FC-D980C
Ar	2slm	AERA	FC-D980C
NF3	2slm	Unit	UFC-8161

## Gas Panel Information (Ch-B)

**Hand Valve : Veriflo**

**Air Operation Valve : Fujikin**

**Transducer : MKS Type LDM**

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## System Configuration

Regulator : Veriflo

Gas	Max Flow	Maker	Model
O2	500sccm	Unit	UFC-8161
Ar	300sccm	AERA	FC-D980C
SiH4	200sccm	AERA	FC-D980C
H2	1slm	AERA	FC-D980C
He	400sccm	AERA	FC-D980C
SiH4	50sccm	AERA	FC-D980C
H2	1slm	AERA	FC-D980C
He	400sccm	AERA	FC-D980C
Ar	2slm	AERA	FC-D980C
NF3	2slm	Tyran	SEE BELOW

# AMAT Centura Phase II ULTIMA TE System

## System Configuration

### System Controller

NO.	Description	Result
1	SBC (V452)	OK
2	Blank	OK
3	VIDEO	OK
4	Blank	OK
5	SEI	OK
6	CH-A AI/O	OK
7	CH-B AI/O	OK
8	CH-C AI/O	Blank
9	CH-D AI/O	Blank
10	MF AI/O	OK
11	CH-E AI/O	OK
12	MF DI/O 1	OK
13	MF DI/O 2	OK
14	MF DI/O 3	OK
15	MF DI/O 4	OK

NO.	Description	Result
16	MF DI/O 5	OK
17	MF DI/O 6	OK
18	STEPPER 1	OK
19	STEPPER 2	OK
20	STEPPER 3	Blank
21	ROBOT & CASS IDX STEPPER	OK
22	FDD	OK
23	HDD	OK
24	CH-A INTERRACE	OK
25	CH-B INTERRACE	OK
26	CH-C INTERRACE	Blank
27	CH-D INTERRACE	Blank Cover Missing
28	M/F INTERLOCK	OK
29	L/L INTERLOCK	OK
30	SERIAL ISOLATOR	OK

# AMAT Centura Phase II ULTIMA TE System

## System Configuration

### System Controller

NO.	Description	Result
31	SYSTEM RESET (Light Pen) Board	OK
32	LEAK DETECTOR BOARD	OK
33	BRANK	OK
34	COVERTRON BOARD	OK
35	TC GAUGE BOARD	OK
36	BLANK	OK
37	BLANK	OK
38	CENTER FINDER	OK
39	BLANK	OK
40	BLANK	OK
41	CH-A DI/O 1	OK
42	CH-A DI/O 2	OK
43	CH-B DI/O 1	OK
44	CH-B DI/O 2	OK

NO.	Description	Result
45	CH-C DI/O 1	Blank
46	CH-C DI/O 2	Blank
47	CH-D DI/O 1	Blank
48	CH-D DI/O 2	Blank
49	CH-E DI/O	OK

**5 Phase Motor Driver : Xfer × 2, L/L × 2, Ch-E × 1**

**Voltage : 200V 3 φ Δ 50/60Hz**

Sub System

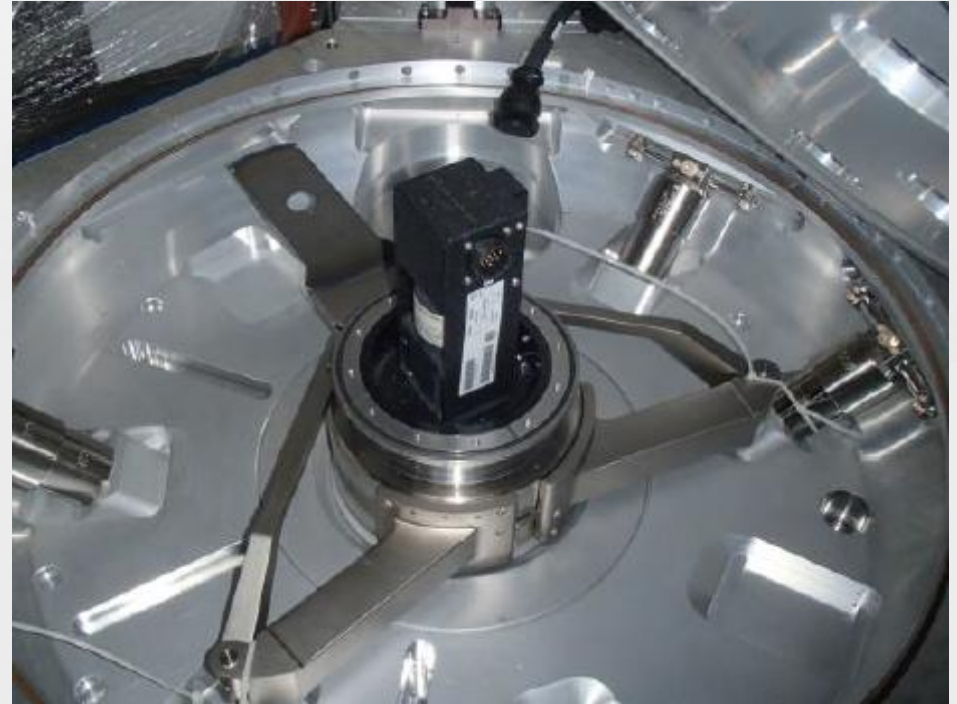
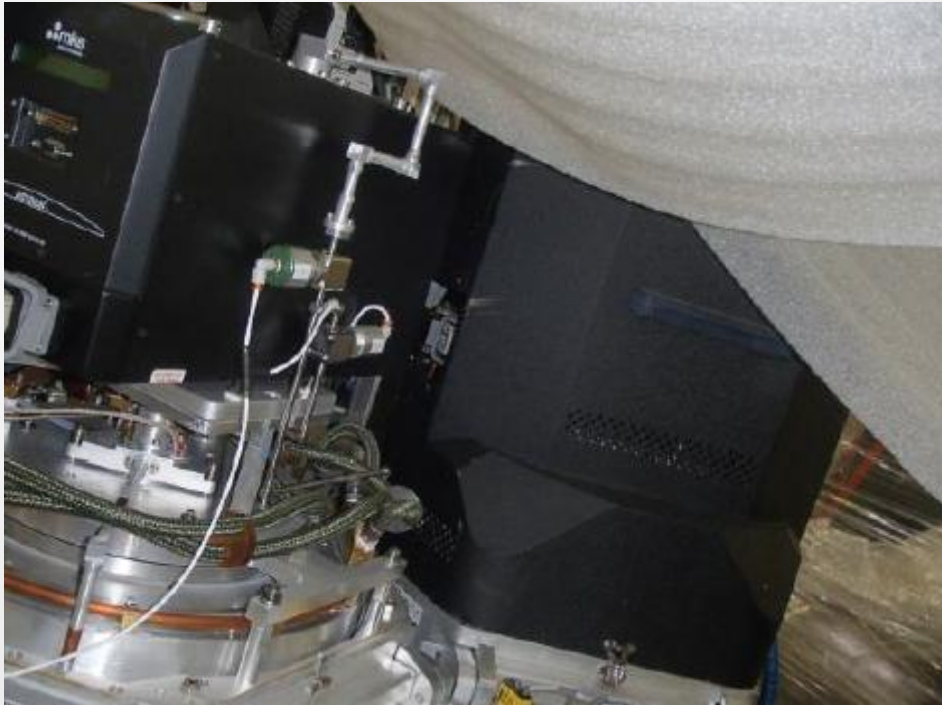
Chiller : SMC INR-498-0018

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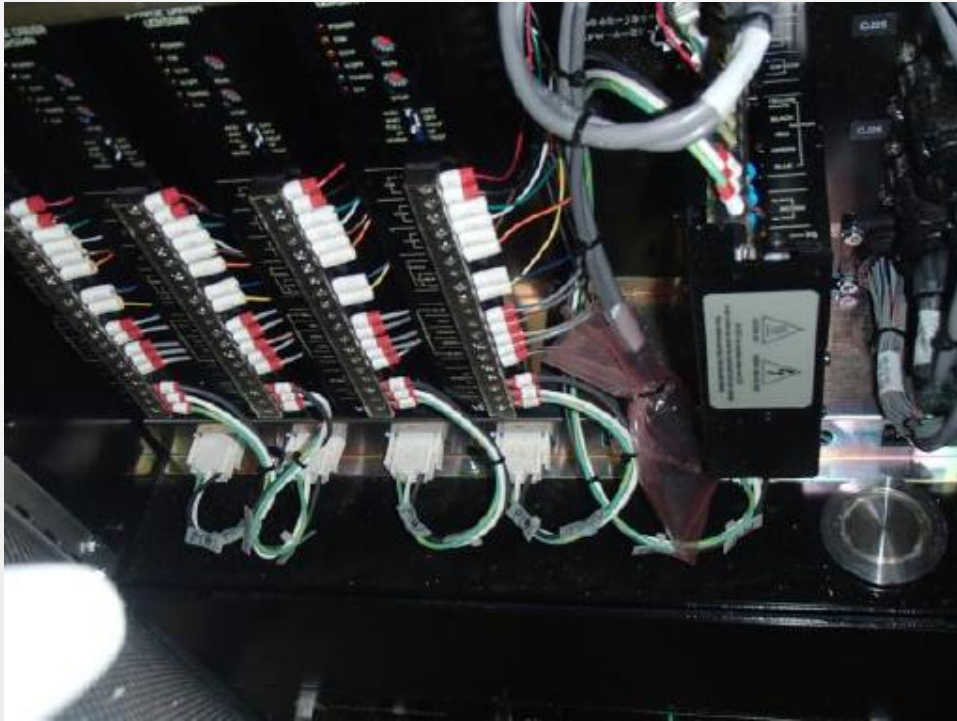
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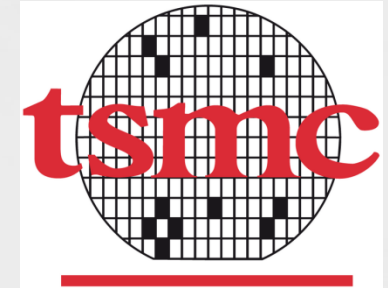


# AMAT Centura Phase II ULTIMA TE System





# RenoNix Major Customer



# Contact

We're Capable of Most of service for PVD,CVD, ETCH areas.  
If you have any inquiry or interest , please feel free to contact us.



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