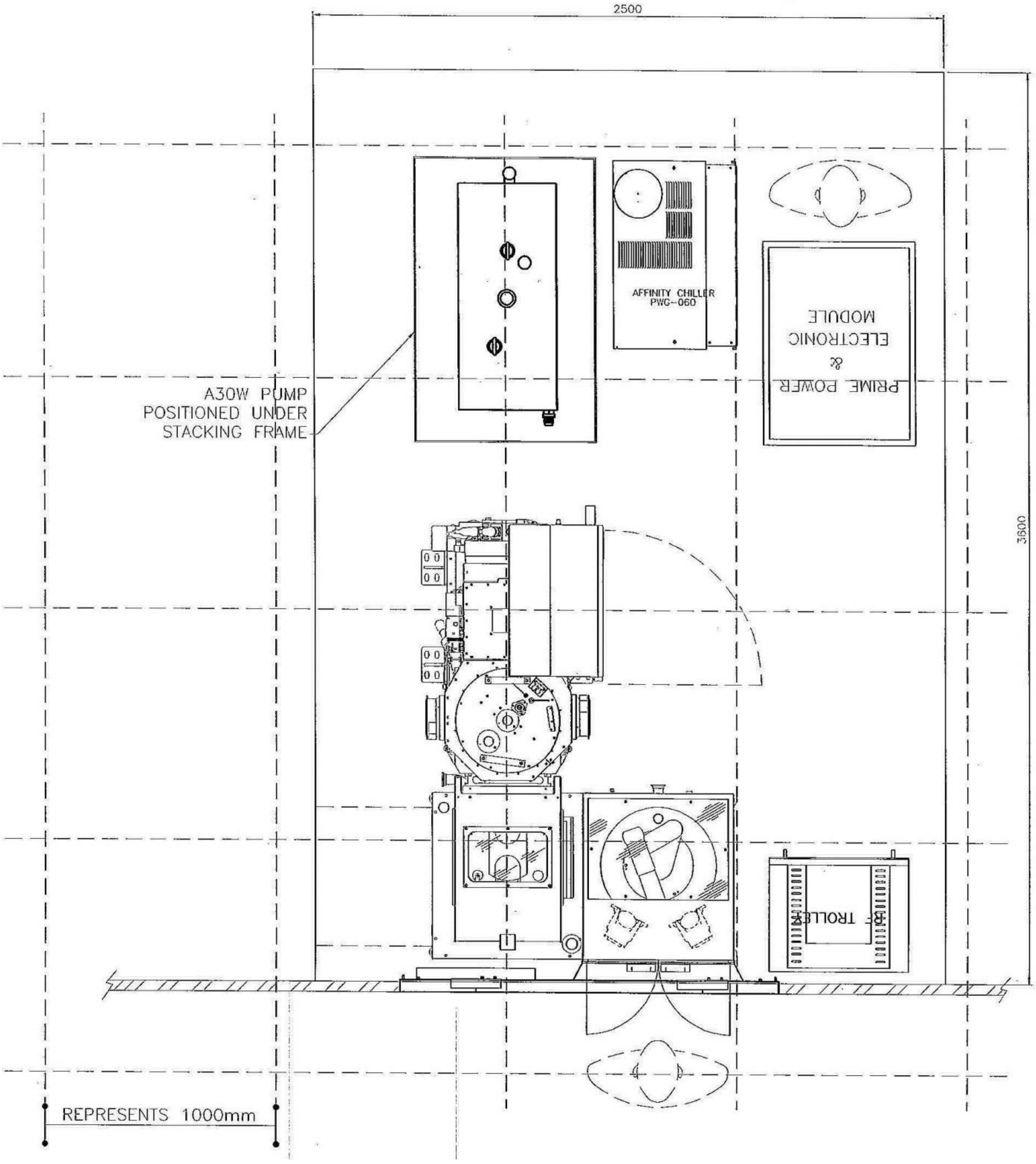
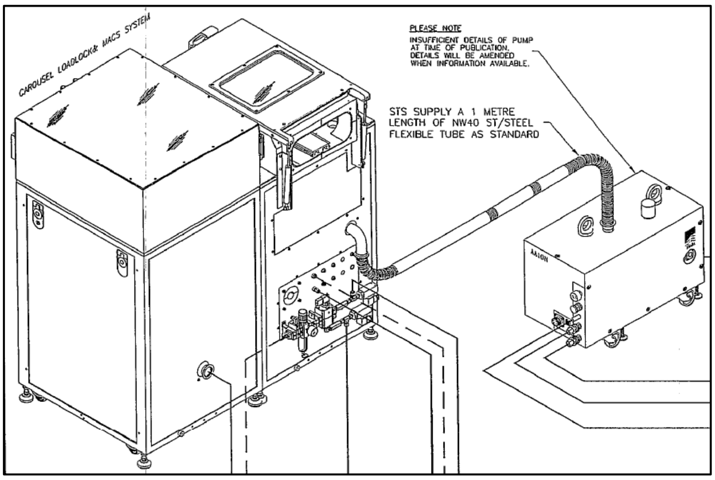
STS MACS ICP^{HR} Etch System



FOOTPRINT LAYOUT OF MACS ICP (HR)

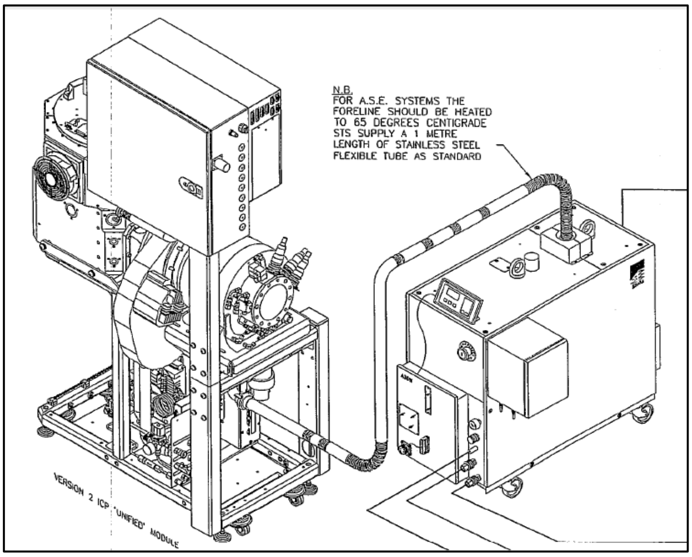
Item List	Description
Manufacturer:	**STS**
Model:	**MACS ICP^{HR}**
Wafer Size:	**150/200mm. The current status is mainly 200mm.**
Tool Condition:	**Used**
Chamber Quantity:	**1 Chamber**
Volts / Hz/Ph:	**208 Volts / 60 Hz ,40 Amps/phase**
Vintage:	**2001**

- **System General View :**



PLEASE NOTE
INSUFFICIENT DETAILS OF PUMP AT TIME OF PUBLICATION. DETAILS WILL BE AMENDED WHEN INFORMATION AVAILABLE.

STS SUPPLY A 1 METRE LENGTH OF NW40 ST/STEEL FLEXIBLE TUBE AS STANDARD



N.B.
FOR A.S.E. SYSTEMS THE FORELINE SHOULD BE HEATED TO 65 DEGREES CENTIGRADE STS SUPPLY A 1 METRE LENGTH OF STAINLESS STEEL FLEXIBLE TUBE AS STANDARD

- **System Components and Configuration**

1. Advanced Silicon Etch (ASE) with Bosch process
2. HR Chamber for High Rate Etch
3. Set up for 200mm wafer (150mm-200mm capable)
4. MACs Loader for Cassette to Cassette operation (2 load stations)
5. Carousel vacuum load lock
6. Helium Backside Cooling (HBC)
7. Clamp Type: Standard WTC

- **RF Generators:**

1. Coil RF Power : Advanced Energy RFG3001,3KW
2. Platen RF Power : ENI ACG-3B 13.56MHZ, 300W

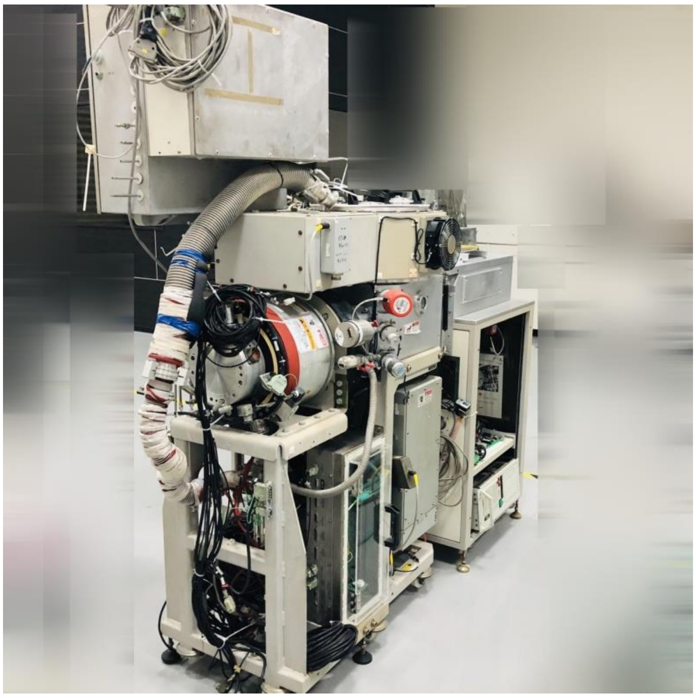
- Gases: C_4F_8(200 sccm)、SF_6(1000 sccm)、O_2(200 sccm)、Ar (50 sccm)

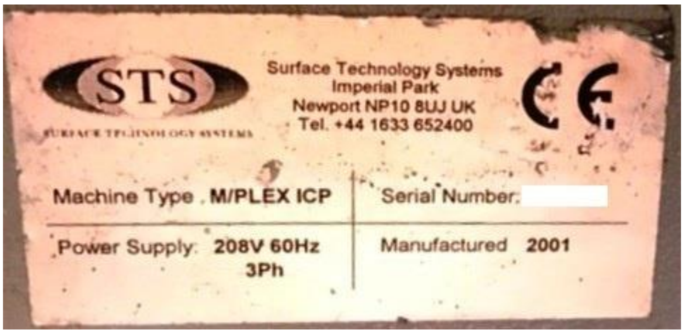
- **Vacuum System**

1. Load Lock Pump: EBARA AAL10
2. Chamber Pump: EBARA A30W

- **Chiller:** Affinity PWG-060L-BE27CBD2

Photos:



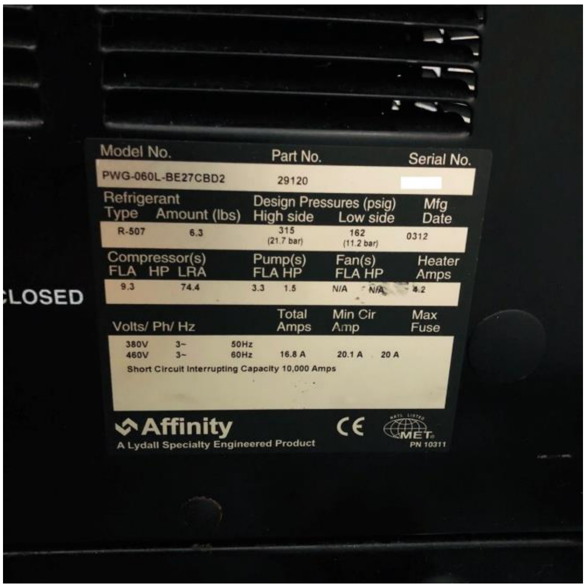


STS
SURFACE TECHNOLOGY SYSTEMS

Surface Technology Systems
Imperial Park
Newport NP10 8UJ UK
Tel. +44 1633 652400

CE

Machine Type . M/PLEX ICP	Serial Number: [redacted]
Power Supply: 208V 60Hz 3Ph	Manufactured 2001



Model No.	Part No.	Serial No.
PWG-060L-BE27CBD2	29120	[redacted]

Refrigerant Type	Refrigerant Amount (lbs)	Design Pressures (psig) High side	Design Pressures (psig) Low side	Mfg Date
R-507	6.3	315 (21.7 bar)	162 (11.2 bar)	0312

Compressor(s) FLA	Compressor(s) HP	Compressor(s) LRA	Pump(s) FLA	Pump(s) HP	Fan(s) FLA	Fan(s) HP	Heater Amps
9.3		74.4	3.3	1.5	N/A	N/A	4.2

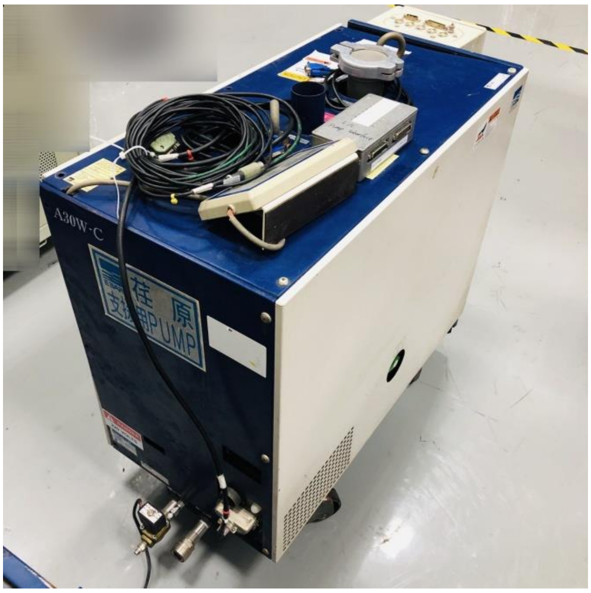
Volts/ Ph/ Hz			Total Amps	Min Cir Amp	Max Fuse
380V	3~	50Hz			
460V	3~	60Hz	16.8 A	20.1 A	20 A

Short Circuit Interrupting Capacity 10,000 Amps

Affinity
A Lydall Specialty Engineered Product

CE

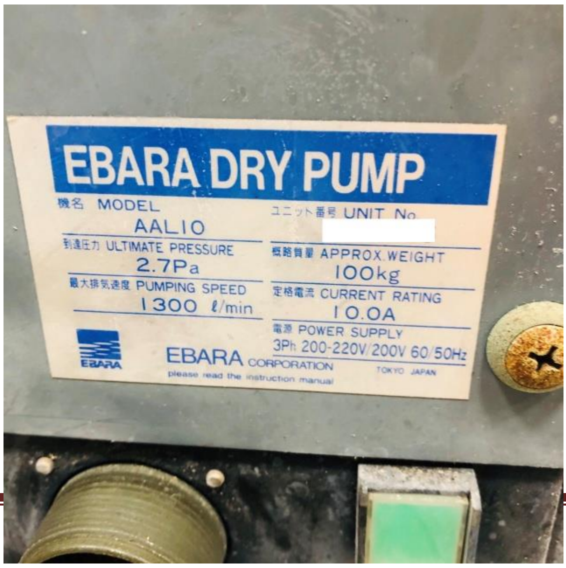
MET
PN 10311



EBARA DRY PUMP

MODEL A30W	UNIT NO. [redacted] C
ULTIMATE PRESSURE 0.27/0.40 Pa	(2x10-3/3x10-3 Torr)
PUMPING SPEED 3600/3000 ℓ/min	POWER SUPPLY 3ϕ 200V 60/50Hz

EBARA CORPORATION TOKYO JAPAN
please read the instruction manual



EBARA DRY PUMP

機名 MODEL AAL10	ユニット番号 UNIT No. [redacted]
到達圧力 ULTIMATE PRESSURE 2.7Pa	概略質量 APPROX.WEIGHT 100kg
最大排気速度 PUMPING SPEED 1300 ℓ/min	定格電流 CURRENT RATING 10.0A
	電源 POWER SUPPLY 3Ph 200-220V/200V 60/50Hz

EBARA CORPORATION TOKYO JAPAN
please read the instruction manual

[redacted]

[redacted]


THIS UNIT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,187,457; 5,189,601; 5,291,063; 5,323,329

CM-1

ENI MODEL NO.: ACG—3B
PART NO.: ACG—3B—06
SERIAL NO: [redacted] ENI REV.: A
DATE:02/15/2006 WEIGHT:8.0kg 18lbs
INPUT:1/N/PE ~ 100—240V 800VA. 50/60Hz
RF OUTPUT:300W 13.56 MHz
CUSTOMER P/N: REV.:

MADE IN CHINA