1. General Information

- Maker :	AMAT	**- Model :**	Centura EPI
- S/N :		**- Vintage :**	2002
- Wafer size :	300mm	**- Process :**	EPITAXIAL SILICON

2. EFEM

Description	Maker	Model	P/N	Remark
Load Port	TDK	TAS300	0190-16691	x 2ea
ATM Robot	YASKAWA	XU-RCM6801	0190-11196	
Robot Controller	YASKAWA	XU-CN1112A	S2M217-5-01	x 2ea
Control Video Switch	AMAT	0190-05111	72332	
FEPC		0190-07729		
PRESSURE SWITCH	SMC	ZSE4-T1-65		x 2ea
Digital I/O Module	MKS	CDN491		x 2ea, DeviceNet 48 Bi-Directional
CompactPCI SBC		VMIC-PCI-7325-148		
Board Card	MESA POWER SYSTEMS		0190-16526	
DEVICENET SCANNER	AMAT		0190-34511	SINGLE CHANNEL
RFI Filter	RASMI	RS 1010-V7	F2_159153	
UPS	Eaton	PW5115-500	05146548-5501	
ION SYS Controller	MKS	5520		

2. TM

Description	Maker	Model	P/N	Remark
VHP Robot Motor	NSK	SSB014FN517	SB19541	
Pneumatic Cylinder	SMC	NCDQ2B125-UIA97 0691		x 2ea
AC Servo Motor	AMAT	XBR-2310	1843623012	x 2ea
PRESSURE CONTROLLER	MKS	600 Series		
Interface Module	SMC	EX160-SDN1		x 4ea
Throttle Valve	MKS	253B-1-40-1		
ISOLATION VALVE	MKS	162-0040K		
ElectroCraft Drive	AMAT	DDM-005X-DN-AM3	9101-1999	x 2ea
MANIFOLD	SMC	VQ1301NY-5		x 4ea
Pressure Transducer(1000Torr)	MKS	124AA-01000BB	000691892	x 4ea
DUAL AXIS DRIVER	NSK	ELA-B014CFG-03	0190-08277	
Ethernet Switching Hub	CTRLink	EIS8-100T		
Mini Circuit Breaker	Merlin Gerin	C60N Multi9		x 2ea
Circuit Breaker	Cutler Hammer	WMS1C06		x 3ea
MINI-Convectron	GRANVILLE-PHILLIPS	275801-EU	275B2251	
QUAD GFCI Outlet Box	AMAT		75666-5	

3. CHAMBER #1

Description	Maker	Model	P/N	Remark
Thermometers	IRCON	MRT39999C	2AM #33319	
Lamp	USHIO	2.0KW 120V FINNED BASE	0190-22509	x 32ea
Termometers(Panel)	IRCON	4799C900	1I4 #32840	
Termometers(Panel)	IRCON	MRT39999C	2AM #31426	
	AMETEK ROTRON		0010-02670	
	AMETEK ROTRON		0010-02670	
SINGLE FAN UNIT	AMETEK ROTRON	MAX57507	35953	
Proramming Terminal	Allen-Bradley	1201-HA2		
AC Drive	Allen-Bradley	1336F-BRF50-AN-EN		x 2ea
Overload Relay	Allen-Bradley	193-TAB40 A		x 4ea
Line Reactor	MTE	RL-00802B5		x 2ea

4. CHAMBER #2

Description	Maker	Model	P/N	Remark
Thermometers	IRCON	MRT39999C	1AM# 33319	
Lamp	USHIO	2.0KW 120V FINNED BASE	0190-22509	x 32ea
Termometers(Panel)	IRCON	4799C900	1I4 #32840	
Termometers(Panel)	IRCON	MRT39999C	4AM #31488	
	AMETEK ROTRON		0010-02670	
	AMETEK ROTRON		0010-02670	
SINGLE FAN UNIT	AMETEK ROTRON	MAX57507	35953	
Proramming Terminal	Allen-Bradley	1201-HA2		
AC Drive	Allen-Bradley	1336F-BRF50-AN-EN		x 2ea
Overload Relay	Allen-Bradley	193-TAB40 A		x 4ea
Line Reactor	MTE	RL-00802B5		x 2ea

5. CHAMBER #3

Description	Maker	Model	P/N	Remark
Curcuit Breaker	MERLIN GERIN	C60N		

Power Supply	Omron	S8PS-15024CD		
Loadlock Logic Interface	AMAT		0190-103558	x 2ea
photoelectric sensor	BANNER	MD14BB6		x 2ea
AC Servo Drive	Panasonic	MQDB012AAD		
AC Servo Motor	Panasonic	MQMA012A3F		
MANIFOLD	SMC	VQ1301NY-5		

6. GAS BOX

Description	Maker	Model	P/N	Remark
MFC	HORIBA	SEC-Z512MGX		H2 100SCCM
MFC	HORIBA	SEC-Z512MGX		H2 500SCCM
MFC	HORIBA	SEC-Z512MGX		HCl 20000SCCM
MFC	HORIBA	SEC-Z512MGX		Si2H6 300SCCM
MFC	HORIBA	SEC-Z712MGX		Si2H6 300SCCM
MFC	HORIBA	SEC-Z712MGX		5%CH3SiH3/Ar 1000SCCM
MFC	HORIBA	SEC-Z512MGX		1%GeH4/H2 1SLM
MFC	HORIBA	SEC-Z512MGX		1%GeH4/H2 2SLM
MFC	HORIBA	SEC-Z522MGXN		H2 50SLM
MFC	HORIBA	SEC-Z522MGXN		HCl 20SLM
MFC	UNIT	UFC-8561C		x 2ea, SiH2C12 500SCCM
MFC	UNIT	UFC-8561C		H2 100SCCM
MFC	UNIT	UFC-8561C		x 2ea, H2 300SCCM
MFC	UNIT	UFC-8561C		x 2ea, H2 5SLM
MFC	UNIT	UFC-8561		H2 100SCCM
MFC	UNIT	UFC-8561		H2 500SCCM
MFC	UNIT	UFC-8561		H2 8SLM
MFC	UNIT	UFC-3161		x 2ea, H2 40SLM
MFC	CELERITY	GF-125C		H2 500SCCM
MFC	CELERITY	GF125C		H2 300SCCM
MFC	CELERITY	GF125C		x 2ea, HCl 300SCCM
MFC	CELERITY	GF125C		x 2ea, SiH4 500SCCM
DeviceNet I/O PCB Card	MKS	CDN491	0190-04457	
DeviceNet I/O PCB Card	MKS	CDN496	0190-02201	x 3ea
INTERLOCK MODULE 1	MKS	DIP-360-002	0190-14285	x 2ea
INTERLOCK MODULE 2	MKS	DIP-510-005	0190-14286	x 2ea

7. AC POWER RACK

Description	Maker	Model	P/N	Remark
Circuit Breaker	Cutler Hammer	FD 35k		x 7ea
Circuit Breaker	Cutler Hammer	LD 35k		
CONTROL CIRCUIT TRANSFORMER	Allen-Bradley		Y3010030302	
3 PHASE DRY TYPE TRANSFOMER	Allen-Bradley		3010028601	
Device Net I/O Block	AMAT	DIP294	0190-36511	
Contactor	Allen-Bradley	CAB6-170-EI		
Safety Relay	Allen-Bradley	MSR5T		
24VAC/DC Current Relay	K-TEC	RCD300-AMAT		x 2ea
LAMP DRIVER DIMMER SCR CONTROLLER	AMAT		0190-02051	x 2ea