

INTRODUCTION

Semiconductor Technology America Inc.

Quartz Parts List



Main Product



Name : [ATC BELLJAR](#)
Equipment : TEL
Process : OXIDE ETCH
Material : GE - 214
Use : QUARTZ CHAMBER
performing removal of a sensitive file
with Micro Wave



Name : [OUTER FOCUS RING](#)
Equipment : TEL(UNITY II DI)
Process : ETCH
Material : GE - 124
Use : Protect IEM HOLDER &
Prevent PLASMA HUNTING



Name : [QUARTZ COVER](#)
Equipment : C - 5200MPX
Process : ETCH
Material : GE - 124
Use : Protect CHUCK from
GAS & PLASMA inside of
chamber



Name : [SHIELD RING](#)
Equipment : TEL(UNITY II
DI,SCCM)
Process : METAL ETCH
Material : GE - 124
Use : Gather the formed PLASMA
not to go off ESC outside



Name : [FOCUS RING](#)
Equipment : C - 5200MPX
Process : ETCH
Material : GE - 214
Use : Protect CHUCK & Concentrate
GAS or PLASMA.

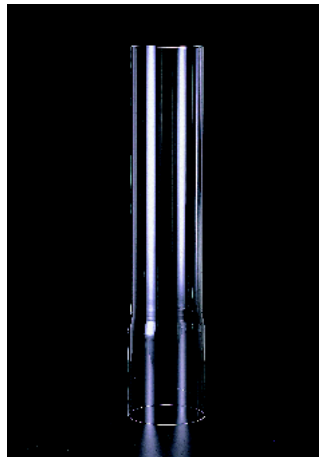


Name : [ASHING BELLJAR](#)
Equipment : HITACHI(M308)
Process : METAL ETCH
Material : GE - 124
Use : Forming CHAMBER
SEALING & PLASMA

Main Product



Name : [OUTER TUBE](#)
Equipment : TEL
Process : LP CVD
Material : GE - 214
Use : CHAMBER part for
PROCESS progress



Name : [INNER TUBE](#)
Equipment : TEL
Process : LP CVD
Material : GE - 214
Use : Gather the formed PLASMA
not to go off ESC outside



Name : [HEATING TUBE](#)
Equipment :
Process : WET
Material : GE - 214
Use : Heating H3PO4
CHEMICAL



Name : [QUARTZ BOAT](#)
Equipment : PSC
Process : PR STRIP
Material : GE - 214
Use : CARRIER to move WAFER
to processing CHAMBER



Name : [WAFER GUIDE](#)
Equipment : W/S SUGAI
Process : WET
Material : GE - 124
Use : CARRIER to move
WAFER to processing CHAMBER

Product(AMAT)

MAKER	PROCESS	EQUIPMENT	PART NAME	MAKER PART NO.
AMT	ETCH	C-5200 MXP(POLY)	COVER RING	0200-09911
AMT	ETCH	C-5200 MXP(POLY)	FOCUS RING	0200-09787
AMT	ETCH	C-5200MxP	SHADOW RING	0200-10151
AMT	ETCH	DPS POLY	WINDOW,VIEW,POLY DPS	0200-35334
AMT	ETCH	DPS POLY	WINDOW, MANOMETER PORT,D	0200-35293
AMT	ETCH	DPS POLY	WINDOW,ENDPOINT,DPS MEC	0200-35292-A
AMT	ETCH	E-MAX	SHADOW RING	0200-00849-001
AMT	ETCH	E-MAX	COVER RING,QUARTZ,THICK	0200-00925
AMT	ETCH	E-MAX	COVER RING,QUARTZ,200MM,E	0200-00850
AMT	ETCH	E-MAX	INSULATOR, QUARTZ	0200-10073-B
AMT	ETCH	HDP 5300	Q'TZ COVER	0200-40170
AMT	ETCH	HDP 5300	Q'TZ BASE PLATE	0200-40131
AMT	ETCH	HDP 5300	Q'TZ COLLAR	0200-40210
AMT	ETCH	HDP-5300	Q'TZ WALL COVER	0200-40158
AMT	ETCH	HDP-5300	Q'TZ DOME	0200-40218
AMT	ETCH	P-5000	QUARTZ INSULATOR PIPE	0200-09602
AMT	ETCH	P-5000	Q'TZ PLASMA TUBE	0200-09432
AMT	ETCH	P-5000	TOP Q'TZ PLATE	0200-09444
AMT	ETCH	P-5000	TOP SPACER RING(UPPER LINNER)	0200-09445
AMT	ETCH	P-5000	BOTTOM SPACER RING(LOW LINNER)	0200-09446
AMT	ETCH	P-5000	Q'TZ PEDESTAL COVER	0200-09734
AMT	ETCH	P-5000	RING PEDESTAL Q'TZ(MxP)	0200-09558
AMT	ETCH	P-5000	Q'TZ FOCUS RING(OLD TYPE 6")	0200-09743
AMT	ETCH	P-5000	Q'TZ FOCUS RING(NEW TYPE 6")	0200-09556
AMT	ETCH	P-5000	Q'TZ PLASMA TUBE	0200-09432
AMT	ETCH	P-5000	FOCUS RING	0200-09741
AMT	ETCH	P-5200	Q'TZ UPPER GDP	0200-09478
AMT	ETCH	P-5200	Q'TZ LOWER GDP	0200-09201
AMT	ETCH	P-5200	HEATER WINDOW(232.5)	0200-09074
AMT	ETCH	P-5200	Q'TZ PIPE	0200-35264

Product(TEL)

MAKER	PROCESS	EQUIPMENT	PART NAME	MAKER PART NO.
TEL	ETCH	UNITY II DI	Q'TZ VIEW PORT	1805-220008-11
TEL	ETCH	UNITY II DI	Q'TZ VIEW PORT(REV.1)	1805-220008-11
TEL	ETCH	UNITY II DI	OUTER FOCUS RING 8"(OLD)	1805-220014-14
TEL	ETCH	UNITY II DI	Q'TZ SHIELD RING T7 L5(OLD)	1810-222662-11
TEL	ETCH	UNITY II DI	Q'TZ HOLDER	1805-320002-11
TEL	ETCH	SCCM	COVER,RING EXH F/R HOLD THIN	1805-320102-11
TEL	ETCH	SCCM	RING,SHIELD T5-240(MNT -D8)HF -1	1805-220150-11
TEL	ETCH	SCCM	RING.EXT OUTER(EPD)	1805-220135-11
TEL	ETCH	SCCM	RING -HOLDER RUBBER SHEET F/R	1805-320104-11
TEL	ETCH	SCCM	BASE RING EXH.F.R HOLD THIN	1805-320103-11
TEL	ETCH	SCCM	RING,SHIELD T5-240(MNT -D8)HF -1	1805-220150-11
TEL	ETCH	SCCM	COVER,RING(REPAIR)	1805-320102-11
TEL	ETCH	SCCM	RING,SHIELD T5-240(REPAIR)	1805-220150-11
TEL	ETCH	TE -5000	ATC BELLJAR	810-220422-3
TEL	ETCH	TE -8500	ATC BELLJAR 8"	N10-200305-2
TEL	ETCH	TE -8500	WINDOW(S3T30306)	810-424133-3
TEL	ETCH	TE -8500	WINDOW, GLASS	810-424067-2
TEL	ETCH	TE -8500	SIDE WINDOW	810-420063-3
TEL	ETCH	TE -8500	SHIELD RING 7T(220) -	1810-221048-1
TEL	ETCH	TE -8500	FOCUS RING 8"	1810-221182-14
TEL	ETCH	TE -8500	SHIELD RING 7T(238) -	1810-220932-1
TEL	ETCH	TE -8500	FOCUS RING 8"()	1810-221182-14
TEL	ETCH	TEL -8500	QUARTZ WINDOW	810-424133-2
TEL	ETCH	TEL -8500	QUARTZ WINDOW(77*6T)	810-424135-2
TEL	DIFF	DD/DJ -823	PH3 NOZZLE -F	D3CL10310-0
TEL	DIFF	DD/DJ -823	PH3 NOZZLE -F	D3CL10310-0
TEL	DIFF	DD/DJ -823	PH3 NOZZLE -F	D3CL10310-0
TEL	DIFF	DD-823V -8BL(K.E)	BURN TUBE(51032742)	D3DK98307-6
TEL	DIFF	EUREKA2000	Q'TZ CHAMBER DOME(2)	ROA903C01

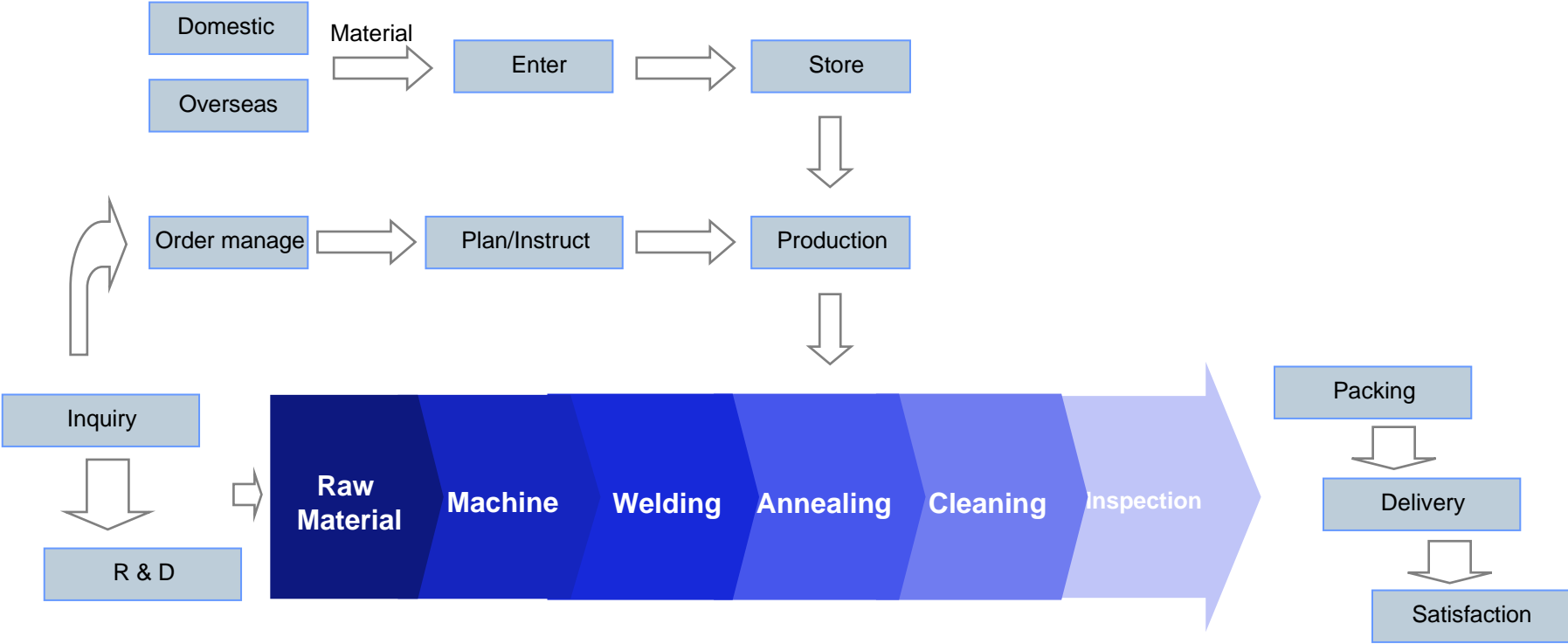
Product(LAM)

MAKER	PROCESS	EQUIPMENT	PART NAME	MAKER PART NO.
LAM	ETCH	EXELAN	RING,QTZ,UPR	716-443090-002
LAM	ETCH	EXELAN	RING,CPLG,ESC,JEIDA,8"	715-443202-001
LAM	ETCH	EXELAN	RING.CONFINEMENT,BOTTOM	716-443084-003
LAM	ETCH	EXELAN	RING.CONFINEMENT,TOP	716-443083-004
LAM	ETCH	EXELAN-HP	RING,FOCUS,QTZ,HP	716-443234-001
LAM	ETCH	EXELAN-HP	R,CPLG,QTZ,ESC,JEIDA,HP 8"	716-402452-001
LAM	ETCH	EXELAN-HP	RING,CONFINEMENT,HP	716-443230-002
LAM	ETCH	EXELAN-HP	R,QTZ,UPR,HP	716-443090-010
LAM	ETCH	EXELAN-HP	RING.FOCUS.UPPER,QUARTZ	716-443189-002
LAM	ETCH	TCA 3822	Q'TZ CHAMBER(TCA)	KT-93474
LAM	ETCH	TCP 9400	Q'TZ WALL LINER	716-032339-002
LAM	ETCH	TCP 9400	Q'TZ WALL LINER	716-032339-001
LAM	ETCH	TCP-94/9600	DISK Q'TZ(M-FINISH)	716-011427-001
LAM	ETCH	TCP-9400	TCP R-KIT Q'TZ WINDOW	716-028454
LAM	ETCH	TCP-9400	Q'TZ FUNNEL	716-160025-008
LAM	ETCH	TCP-9400	Q'TZ SPACER	716-160024-001
LAM	ETCH	TCP-9400	TCP Q'TZ WINDOW	716-028454
LAM	ETCH	TCP-9600	Q'TZ FUNNEL P.S MODULE	716-021323-001
LAM	ETCH	TCP-9600	Q'TZ SPACER P.S MODULE	716-011493-001
LAM	ETCH	TCP-9608	WINDOW EOP	716-011009-001
LAM	ETCH	DEFINIUM	R,EDGE, 8" ESC,FL, TOP,QTZ	716-331097-001
LAM	ETCH	DEFINIUM	R,EDGE,BASE, 8" FLAT	716-443179-202
LAM	ETCH	DEFINIUM	SLV,INSUL,ESC-LOW CAP	716-330915-003
LAM	ETCH	DEFINIUM	DISK,QUARTZ	716-028454-012
LAM	ETCH	DEFINIUM	DISK,TOP GAS	716-331157-014
LAM	ETCH	DEFINIUM	R,EDGE,TOP WIDE 8"	716-331142-202

Product(HITACHI)

MAKER	PROCESS	EQUIPMENT	PART NAME	MAKER PART NO.
HITACHI	ETCH	DMX -421P	Q'TZ CHAMBER	#3-81315
HITACHI	ETCH	DMX -431P	Q'TZ FOCUS RING	H220542-1
HITACHI	ETCH	M308AT	ETCHING Q'TZ BELZER(308 B/J)	2-811904-B
HITACHI	ETCH	M308-AT	ASHING QUARTZ BELLJAR(Outter Dia.200)	2-816481 -A
HITACHI	ETCH	M318SX	ASHING Q'TZ BELLJAR(Outter Dia.240)	3-829066 -A
HITACHI	ETCH	M501	Q'TZ SLEEVE(21MM)	3-838425-01
HITACHI	ETCH	M501/511AE	SHOWER PLATE	2-818225-1
HITACHI	ETCH	M501/511AE	SHOWER PLATE	2-818225-1
HITACHI	ETCH	M511	ROD SUPPORT	3-832649-01
HITACHI	ETCH	M511AE	ASHING Q'TZ PLATE	3-831868-01
HITACHI	ETCH	M511AE	ASHING Q'TZ PLATE	3-831868-01
HITACHI	ETCH	M511AE	ETCHING Q'TZ SLEEVE(54MM)	3-838425-02
HITACHI	ETCH	M511AE	INSULATOR RING(1)	3-834400-01
HITACHI	ETCH	M511AE	INSULATOR RING(2)	3-834401-01
HITACHI	ETCH	M511AE	ETCH Q'TZ PLATE	3-834876-02
HITACHI	ETCH	M511AE	ETCHING Q'TZ SLEEVE(54MM)	3-838425-02
HITACHI	ETCH	MAS -1800	Q'TZ CHAMBER	PC7-1476-000
HITACHI	ETCH	MAS -1800	QUARTZ PIN PLATE	PC7-1398-000
HITACHI	ETCH	MAS -1800	QUARTZ DIFFUSION RING	PC7-2312-000
HITACHI	ETCH	MAS -1800	QUARTZ BASE PLATE	PC7-2311-000
HITACHI	ETCH	MAS -1800	QUARTZ PIN PLATE	PC7-1398-000
HITACHI	ETCH	MAS -8000	Q'TZ BELLJAR(206)	PC7-1003-000
HITACHI	ETCH	UA -3150	NOZZLE PLATE	W3150415
HITACHI	ETCH	UA -5200A	NOZZLE PLATE	W3151439

Manufacturing Process



Cleaning Process

□ Process



Quality Control



Q.C ROOM less than CLASS 10,000

Q.C engineers with various career conduct thorough quality exam

-with three dimensional measuring instrument and angle apparatus

Conduct CLEANING process with DI WATER over 18M Ω

(equal level of semiconductor line)

**Thorough quality maintenance through ultra-sonic cleansing and interim washing
for preventing of contamination and alien substance**

**Conduct quality management according to QUALITY MANUAL acquired
certification of ISO 9000:2000 (Germany TÜV Rheinland)**