

# JTT TECH PTE LTD

1 Yishun Industrial Street 1 #04-24 A'POSH BizHub Singapore 768160

Tel: (65) 6262 5887 Fax: (65) 6339 1383

Website: www.jtt.sg Email: jtt@jtt.sg

Company Reg. No: 201701120E GST Reg No.: 20-1701120-E

ITEM	PART NO.	MANUFACTURER	MODEL	DESCRIPTION
1	203669	Axcelis		Bulb,Uv,H,Mond,M200Pc
2	00-46236-01	Ultratech		Chuck,90Develop,Kel-F,200mm
3	01-02-00330	Ultratech		Servo Motor (Inland)
4	01-05-00189	Ultratech		6" Chuck
5	01-05-00190	Ultratech		8" Chuck
6	01-05-00225	Ultratech		Theta Stage
7	01-06-00021	Ultratech		W.A.S. Slider Assembly,
8	01-08-00158	Ultratech		RT Tilt Window Motor
9	01-08-00159	Ultratech		Left Tilt Window Motor
10	01-08-00998-24	Ultratech		Theta Stage / Megafrosty
11	01-08-01665	Ultratech		Reticle Finger Assy
12	01-08-01831	Ultratech		Row-Bar Daisy Chain Cable
13	01-08-03191-04	Ultratech		Assy, Filter Interf, red filter for MVS
14	01-08-03466	Ultratech		MVS FIBER LITE POWER SUPPLY
15	01-08-04851	Ultratech		Motor Brushes Assy
16	01-15-02903	Ultratech		ASSEMBLY,RETICLE FINGER
17	01-15-03796	Ultratech		ASSY,ROD,PUSH,THETA DRIVE
18	01-15-04016	Ultratech		Autouniformity Sensor (Photo Detectot)
19	01-15-04325	Ultratech		CABLE,FIBER OPTIC,WAS,ASSY,224
20	01-15-04373	Ultratech		GRIPPER,SWITCH,ASSY
21	01-15-04374	Ultratech		TRANS,PLT,CYLINDER SWITCH,ASSY
22	01-15-04375	Ultratech		ROTOMATION SWITCH ASSY
23	01-15-04611	Ultratech		ASSY,THETA DRIVE,XY STAGE
24	01-15-04766-XX	Ultratech		CHUCK, SIZE DEPENDENT
25	01-15-05739	Ultratech		Elevator Assy.
26	01-15-05747	Ultratech		Theta Motor
27	01-15-07751-06 D	Ultratech		Focus Motor/ Actuator
28	01-15-08698-04	Ultratech		FOCUS,ACTUATOR,FRONT
29	01-15-08698-06	Ultratech		FOCUS,ACTUATOR,LEFT
30	01-15-08968-05	Ultratech		FOCUS,ACTUATOR,RIGHT
31	01-18-00893	Ultratech		ILLUM POWER SUPPLY
32	01-18-01120	Ultratech		MVS controller
33	01-18-02004	Ultratech		ASSY,PWR SUPPLY +5,+/-12,+24
34	01-20-01165	Ultratech		system power supply
35	01-20-02547	Ultratech		REFLECTOR, ELLIPSOIDAL
36	01-20-02646-01	Ultratech		FOCUS,ACTUATOR,FRONT
37	01-20-02646-02	Ultratech		FOCUS,ACTUATOR,RIGHT
38	01-20-02646-03	Ultratech		FOCUS,ACTUATOR,LEFT
39	01-20-02651	Ultratech		CHUCK,POP-UP,M2000 PHASE II
40	01-20-03497	Ultratech		GENMARK CONTROLLER, 2-AXIS
41	01-20-03500	Ultratech		GENMARK PREALIGNER, 2-AXIS

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42	01-20-03651	Ultratech		DRIVE MOTOR, WTC
43	01-20-04705-06	Ultratech		6" wafer chuck
44	02-15-02457	Ultratech		Reticle wafer Robot End Effector
45	02-15-02458	Ultratech		Plate,Insert,BASH
46	03-08-00090	Ultratech		944 Servo Board
47	03-08-00096 rev. G	Ultratech		944 Stage Driver bd.
48	03-08-01334	Ultratech		Pneumatic Panel
49	03-15-00302	Ultratech		BD Trnsn Drvr Strp Was
50	03-15-00308	Ultratech		BD Trans Ash Strp Was
51	03-15-02049	Ultratech		BD,BREAKOUT,WAS,2244i
52	03-15-02066	Ultratech		BD, Trans, Laser, 6-Axis
53	03-15-02088	Ultratech		BD, Trans. Combo Rev
54	03-15-02149	Ultratech		Laser Distr, I-Line,2244i
55	03-15-02200	Ultratech		BD,PNEUMATIC I/O,2244i
56	03-15-02702	Ultratech		BD, Trans Step Mot/Cooler, Ash
57	03-15-04702 REV.A	Ultratech		Barcode controller
58	03-15-05846	Ultratech		PCB Limit Sensor
59	03-15-06672	Ultratech		Pop up chuck interlock
60	03-15-08428	Ultratech		Extender bd
61	03-18-00440	Ultratech		COMBO BD, SIX RS232
62	03-18-01699-01	Ultratech		BD,PROCESSOR,SLAVE,VME,10MHz
63	03-18-01699-02	Ultratech		BD,PROCESSOR,SLAVE,VME,16MHz
64	03-20-00778	Ultratech		BD,DSPL,SLAVE PROCESSOR
65	03-20-00784	Ultratech		BD,Processor, Slave, VME
66	03-20-00870	Ultratech		VME Combo PCB
67	03-20-00917	Ultratech		BD,STPR MOT,ASH
68	03-20-00933	Ultratech		Switching power supply
69	03-20-00933-02	Ultratech		BD,AMP,STPR MOT DRIVER
70	03-20-00933-03	Ultratech		STAGE,DRVR,5 AXIS
71	03-20-00954	Ultratech		BD,STPR MOT,MUX
72	03-20-00989	Ultratech		Extender bd
73	03-20-01082	Ultratech		BD,General I/O Board
74	03-20-01124	Ultratech		BD, Transition, Stage Ash
75	03-20-01124-01	Ultratech		BD, TRNSN,STG, MOT,ASH X-AXIS
76	03-20-01124-02	Ultratech		BD, TRNSN,STG, MOT,ASH Y-AXIS
77	03-20-01130	Ultratech		BD, Transition Stage Motor Driver
78	03-20-01130-01	Ultratech		BD, TRNSN, STG MOT DRVR, X, LT
79	03-20-01130-02	Ultratech		BD, TRNSN, STG MOT DRVR, X, RT
80	03-20-01130-03	Ultratech		BD, TRNSN, STG MOT DRVR, Y, LT
81	03-20-01130-04	Ultratech		BD, TRNSN, STG MOT DRVR, Y, RT
82	03-20-01299	Ultratech		BD, Transition, Alignment Ash

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83	03-20-01321	Ultratech		BD,ALIGN,ANALOG
84	03-20-01379	Ultratech		BD,5V,+/- 15V POWER SUPPLY
85	03-20-01403-02	Ultratech		MODULE, STEPPER MOTOR
86	03-20-01403-07	Ultratech		MODULE,ALIGN,ASH
87	03-20-01403-08	Ultratech		MODULE,FOCUS,ASH
88	03-20-01403-10	Ultratech		MODULE, STAGE,ASH,X
89	03-20-01403-11	Ultratech		MODULE, STAGE,ASH,Y
90	03-20-01420	Ultratech		BD,AMP,AIR GAUGE
91	03-20-01600	Ultratech		BD, Transition, Stepper. Motor Driver
92	03-20-01705	Ultratech		BD,General I/O Transition PCB
93	03-20-01871	Ultratech		BD,PNEU SNSR,AIR GAUGE,w/MANF
94	03-20-01933	Ultratech		BD,ALIGN,ASH,5 AXIS
95	03-20-01955	Ultratech		BD,FOCUS,A/D,5 AXIS
96	03-20-01961	Ultratech		BD,5 Axis Ash Focus Transition PCB
97	03-20-01967	Ultratech		BD,FOCUS CONT,ASH,5 AXIS
98	03-20-01989	Ultratech		Focus Drvr, 5 AXIS
99	03-20-02040	Ultratech		BD, Trnsn, Focus Driver, 5 - Axis
100	03-20-02567-01	Ultratech		BD,PMT AMP,M2000
101	03-20-04940	Ultratech		BD,STAGE,ASH,5 AXIS
102	04-08-03404	Ultratech		Actinic Shutter Assy
103	04-08-03638	Ultratech		Assy Lightpipe 18x39 mm
104	04-15-01721	Ultratech		ALIGNMENT,SHUTTER,2244i
105	04-15-04026	Ultratech		MVS BRIDGE, 6X6
106	04-15-05260	Ultratech		MVS BRIDGE, 5X5
107	05-02-00334	Ultratech		Brush, Servo Motor (Inland)
108	05-08-01342 Rev: A1	Ultratech		Cable, Focus Driver
109	05-08-01629 rev. A	Ultratech		Cable, WTC Control, Bit 303
110	05-08-03324	Ultratech		Cable Rotary Shutter Elect. Box
111	0512-470000	Ultratech		Gate Solenoid
112	0513-496700	Ultratech		Binary Interface PCB
113	05-20-02400	Ultratech		HARNESS, UMB, STAGE
114	05-20-02729-02	Ultratech		SWITCH X LIMIT 2244i
115	06-15-04605	Ultratech		Reticle UTS 181B
116	07-08-00780	Ultratech		O-Ring Kit, 4" Automation Autoloader
117	07-08-00881	Ultratech		wafer megafrosty 5" w/carrier
118	07-08-01188-02 rev. A	Ultratech		O-ring Kit, 3" Automation Round
119	07-15-04829	Ultratech		KIT,SPARES,UTILITY PANEL
120	07-15-05501	Ultratech		KIT,SPARES,HDW PURCHASED
121	07-15-06850	Ultratech		KIT,MONITOR REPL.M2X,CPD-200 GS
122	07-18-01792	Ultratech		KIT,REPLACEMENT,MVME147-013
123	072-96114-390	Matrox	VG-640	

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124	10-08-01143	Ultratech		Theta Stage V-Bearing Inserts
125	1016-572000	Ultratech		Theta Cylinder (replaces P/N 1006-226300)
126	10-28-00101	Ultratech		Angle, Aperture MVS
127	1064-700108	Ultratech		Window Fused Silica
128	10895-60001	HP		Laser Axis
129	11-08-03196-A	Ultratech		SOL, FLO REPL 114C,108,311
130	11-08-05771-02	Ultratech		MVS Power Supply
131	11-15-04817	Ultratech		DISK,FD,3.5 SCSI,2MB,MOD,M2244
132	11-15-07314	Ultratech		HARD DRIVE,3.2GB,QUANTUM,MOD
133	11-15-08153	Ultratech		Hard disc, UT Titan
134	11-18-01809	Ultratech		HARD DRIVE,18GB SEAGATE, MOD
135	116-40074 4343	ept	60800-370	
136	1-20-02547	Ultratech		Ellipsoidal Mirror, Ultratech Titan
137	14-15-02812	Ultratech		LAMP,1000 WATT,XYZ
138	14-15-04219 ROC.D	Ultratech		Window, I,GH Illum, Filter
139	14-15-04319	Ultratech		WINDOW,FUSED SILICA,I-GH(UV Fliter)
140	14-20-03482	Ultratech		UV-filter, Ultratech Titan
141	14-20-05178	Ultratech		UV Blocking Filter
142	15-08-00928-02	Ultratech		HP 5501B Laser Transducer,
143	16-17-00083	Ultratech		Focus plate
144	17-74033-01	Ultratech		Kit,Monitor,Lcd,Replacement
145	18-15-07103	Ultratech		PRE-ALIGNER, 5-AXIS
146	18-15-07158	Ultratech		CONTROLLER, 5-AXIS
147	18-18-00597	Ultratech		CONTROLLER, 6DOF
148	18-18-00598	Ultratech		AMPLIFIER, 6DOF
149	20-15-02124	Ultratech		RECEIVER,LASER,HP 10780F
150	20-15-02130	Ultratech		LASER,TRANSDUCER,HP 5517C
151	20881-01			Cup,Catch,Bottom,Pi
152	20885-04			Shield,200mm,Pi
153	20990-01			Catch Cup,Developer
154	218-139			Assy,Manifold,3/8
155	2602-000019			FILTER,.02um
156	27-48941-01			Am,Disp,X,Motor,90s
157	27-48958-01			Motor,Z-Disphithspeed
158	303-016			Filter, Ulpa,99.9995
159	303-075			Gp,Temp,Transmitter
160	31-08-02636	Ultratech		Cognex 4400 Vision Processor
161	31-08-04188	Ultratech		MVS Camera Driver
162	32-08-04001	Ultratech		Keyboard
163	33-15-02118	Ultratech		BD, VME AXIS
164	33-15-04467	Ultratech		BD,VIDEO DRIVER,ENHANCED

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165	33-18-00646	Ultratech		BOARD,ADAPTOR,MOT,MVME
166	33-20-04187	Ultratech		BOARD, COGNEX
167	333-WGFG06WB01	praxair		Filter,Gas,0.05um,114nptf
168	34-08-00483			Disk Drive
169	34-08-01260			HP 362 3.5" Internal Floppy Drive
170	36-20-01826			DISKETTE,3.5",HIGH DENSITY
171	370-0094	Cognex	VPM4214-01	
172	3903-000001			TUBE,PMT
173	4B030-575AN	Nikon		Linearguide
174	4B030-576AN	Nikon		Linearguide
175	4B991-117-2AN	Nikon		Ws Interferometer Laser
176	50-20-01056			FAN,BRUSHLESS DC, 24V 6W,5"SQ
177	5107-000001			SWITCH,MICRO
178	52-15-04200	Ultratech		GASKET,SMC 314/324 SOLENOID
179	52-15-04201	Ultratech		GASKET,SMC 3143/3243 SOLENOID
180	57-08-01230	Ultratech		Switch Vacuum Digital
181	57-20-03306	Ultratech		FILTER,CLEAN GAS
182	57-20-03722	Ultratech		Air Transducer
183	58-20-02185-01			ORIFICE,.006x4-40,LINEAR MOTOR
184	58-20-02185-02			ORIFICE,.007x4-40,LINEAR MOTOR
185	58-20-02185-03			ORIFICE,.008x4-40,LINEAR MOTOR
186	58-20-02185-04			ORIFICE,.009x4-40,LINEAR MOTOR
187	58-20-04617	Ultratech		DISCONNECT,VACUUM,QUICK
188	60-20-00677	Ultratech		POWER SUPPLY,+5V +/-12V +24V
189	61-08-04343 rev A	Ultratech		Circuit Brkr, 20A, VDE, 1 Pole
190	61-15-01938	Ultratech		SWITCH,PRESSURE
191	61-20-03319	Ultratech		SWITCH,THERMOSTAT
192	62-20-04616	Ultratech		JUMPER,REMOTE END
193	64-15-05499	Ultratech		Reticle transfer Plate Fiber Bundle 4
194	64-15-07196	Ultratech		CCD Light house
195	66-15-04542	Ultratech		BATTERY,Li CELL 3VOLTS
196	66349-01			Tube,Exhaust,Poly
197	68-10-085803	Ultratech		Fan Assy W/Plug,Oriel Spare
198	80-15-04199	Ultratech		SCREW,M1.7X17MM.3143/3243 SOL.
199	84-20-04827	Ultratech		SPRING, EXT,.06DIA X .25L
200	85-10-585003	Ultratech		Sensor,Assy,Zero,Pos
201	85-16-218002	Ultratech		Accelerometer
202	85-18-539001	Ultratech		Motor,Cable,Assy
203	86-20-03613	Ultratech		PIN,DOWEL,.031 DIA X .156L
204	86-20-03615	Ultratech		PIN,DOWEL,.031 DIA X .218L

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205	91-15-06332	Ultratech		LUBRICANT, MICROCOTE
206	99-42805-01	Ultratech		Harness,Univ,Interface
207	99-45762-08	Ultratech		Assy,E-Chainw/Intf
208	99-48549-01	Ultratech		Chain,Z-E,Shut/Ces
209	99-80192-02	Ultratech		Pcb,Assy,Photoxstr,Receiv
210	99-80269-01	Ultratech		Assy,Pcb,90S,Shuttle,Cont
211	99-80308-01	Ultratech		Assy,Pcb,Dc,Dist,Mce,Moun
212	CL-CT2985-486379-W	Pentagon		Cleaned,Cover,Lhp,Lh,Non-Cu
213	CT2910-290006-12	Tokyo Electron		Inner,Shutter
214	FN13-9298			CCD Light, Prealiger, 5V, 115mA
215	MEC9000-1010-BK	MEC		Arm,Ceramic,Tapered,5,Bk
216				WCDP100L1 Pump,100cc,Millipore
217				WCDP025L1 Wcdp Pump Non-Fil Lv 25cc
218				UP55600MD Printer,Video
219		Ultratech		Cognex controller
220		Ultratech		HP362 computer
221		Ultratech		Actinic shutter
222		Ultratech		Solenoid (114c,108,311,204)
223		Ultratech		Assy,Focus Control Drvr (EPROM)
224		Ultratech		Bash Plate
225		Ultratech		Keyboard Entend Cable
226		Ultratech		UV Filter
227		Ultratech		Capture Window
228		Ultratech		GASKET
229		Ultratech		WAX
230		Ultratech		8" cassette boat
231		Ultratech		6" cassette boat
232		Ultratech		9pin printer
233		Ultratech		barcode scan pen
234		Ultratech		barcode scanner
235		Ultratech		chamber status indicator
236		Ultratech		computer monitor 14"
237		Ultratech		AC power control pannel
238		Ultratech		console status indicator
239		Ultratech		MVS monitor
240		Ultratech		signal tower
241		Ultratech		system monitor
242		Ultratech		Reticle library
243		Ultratech		Robot Assy
244		Ultratech		Bash base

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245		Ultratech		Robot controller
246		Ultratech		Cantilever, UV lamp house
247		Ultratech		WAS monitor
248	01-25-02338	Ultratech	AP	Wafer Edge Protection Step Motor Driver w/Nanomotion AB5 B
249	01-25-00609 B	Ultratech	AP	Ultratech Stepper Interlock Controller
250	18-25-00790	Ultratech/Newport	AP	SPS-C12 12-Axis Wafer Positioning Stage Controller PEAK 715-HT
251	01-25-04710	Ultratech	AP	Wafer Stepper Air Gauge Amplifier System 80-PSI Regulator
252	01-18-01120 Rev. X1	Ultratech	AP	MVS Pattern Recognition Alignment Machine Vision System Controller
253	01-25-03600	Ultratech	AP	Radiation Power System 3167-D Dual Illumination Controller
254	1-25-03993	Ultratech	AP	Distribution Controller Hitachi SEM Radiation Power Systems
255	01-25-03364	Ultratech	AP	<u>Wafer Transfer Handler Elevator Assembly w/ Nanomotion HR8</u>
256	18-21-08767	Ultratech	AP	<u>Wafer Processing Chuck Vacuum Pneumatic Air Controller</u>
257	01-25-04293-01	Ultratech	AP	<u>Wafer Processing Interlock Controller w/ Idec PS5R-Q24</u>
258	01-20-01165	Ultratech	AP	Wafer System Power Supply
259	01-25-00056	Ultratech	AP	16-Channel Input Output Controller I/O Control 19" 3U Rack
260	01-25-00440	Ultratech	AP	Radiation Power Systems 3166D Dual Illumination Controller
261	01-25-04293-01	Ultratech	AP	Wafer Processing Interlock Controller w/ Idec PS5R-Q24
262	18-21-03449-02	Ultratech	AP	SPS-C12 12-Axis Wafer Positioning Stage Controller PEAK 715-HT
263	03-15-04253 Rev.B	Ultratech	AP	Power Driver Backplane Assy
264	03-20-02294-02 Rev.B1	Ultratech	AP	General I/O Breakout 1 Module
265	03-20-02211-02 Rev.G1	Ultratech	AP	General I/O Breakout 2 Module
266	03-20-01588-02 Rev.B1	Ultratech	AP	Motor MUX Transition Module
267	03-15-04930-02 Rev.E	Ultratech	AP	General I/O #2 Drive Breakout Transition Module
268	03-20-01588-02 Rev.B1	Ultratech	AP	Stepper Motor MUX Transition Module
269	03-15-04930-02 Rev.E	Ultratech	AP	General I/O #2 Drive Breakout Transition Module
270	03-20-02032-02 Rev.C1	Ultratech	AP	Power Distribution Module
271	03-20-01379 Rev.B1	Ultratech	AP	Power Supply Module
272	03-20-00954 Rev.D	Ultratech	AP	Motor MUX Module
273	18-25-02576	Ultratech/Newport	AP	Z1 Z2 Z3 Driver, Z598B
274	18-25-02573	Ultratech/Newport	AP	Z605B Coarse Theta Driver

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275		Ultratech/Newport	AP	RV Driver Z698A
276	18-25-02604	Ultratech/Newport	AP	Lift Pin Driver Z606B
277		Ultratech/Newport	AP	X1-NPT Driver
278	10-15-07438	Ultratech	AP	PELLICLE CELLULOSE ACETATE
279	SE-14-18-03711	Ultratech	AP	SUPER HIGH PRESSURE UV LAMP 1200W,W/QDSC
280	10-15-07438	Ultratech	AP	(WEE 1) LAMP BLUE WAVE 200 EXPOSURE
281	57-25-02714	Ultratech	AP	SERVICE KIT NITROGEN F39 FILTER
282	2602-000019	Ultratech	AP	FILTER .2 MICRON 1/4 SWAGELOK
283	012-64000R	Rudolph		Mercury Short Arc Lamp



Ultratech 1700 Stepper Inventory List

SN	Description	Part number	Model	Spec	Box	Qty
1	A DRYER	10DAS081624	DAS 3	SUPPLY 230V	LEVEL 4	1
2	6 inch chuck	02-08-01944-01			W1	1
3	4/6 inch wafer	06-08-02304-06		tool certering oblong	W1	1
4	GEMS sensor and controls		EH3111-S38	24VDC 2WATTS 150PSI	W1	7
5	WAS ALIGNMENT DETECT BOARD	0553-626000	9627133		W1	1
5	Chuck	03-08-01334	57-08-01230	Assy pneumatic panel with 3mm/4mm/ 6mm ring	W1	1
6	plate			wafer stage	W1	1
7	N2/Air gun				W1	1
8	JUN-Air compressor oil			not new	W1	1
9	Track ball assy	860-000-022			W1	1
10	OAI Intensity Analyser		358		W1	1
11	SHIM SET	0509-3547003680		ALUM.BRASS,BROWN,RED,PINK, GREEN,YEELLOW,TAN,WHITE,B LUE	W1	10
12	assy, laser beam, stop	0505-326200			W2	1
13		55-05-00263		A REM	W2	1
14	Masking wafer	Assy, rtcl,alr1000,5x5		V0194	W2	5
15	IKA labortechnik	2666600		ETS-D4 fuzzy	W2	1
16	wafer MF. 6" W/Carrier	07-08-00882			W2	1
17	Remote Head Monochrome CCD Camera	31-08-04188,07-08-08,36293-51	CV-M531,E542467H	DC 12V, Fuse 1A,	W2	1
18		20-06-00140			W2	3
19	GLASS			Refers to spare part picture	W2	1

20	Wafer chuck	38-15-07585-02		probe, OAI GH-LINE	W2	1
21	Blade		2.5 inch	Refers to spare part picture	W2	1
22	super high pressure UV lamp	USH-510FU S		58.4V	W2	6
23	vacuum pressure switch -1/+4			ABC/V515243	W2	1
24	vacuum pressure switch -1/+4			ABC/V515243	W2	1
25	Digimatic height gage	ooo1232	HDS-8" M		1	
26	palpeur taster probe	30008	5H0026 044		1	
27	Video out connector	CV-31SH	E310253/310540	12VDC,1A	2	
28	dial torque wrench	751LDIN		RANGE 0-75 IN.LB	2	
29	Track ball assy	860-000-022			1	
30	Test Reticle				5	
31	OAI Intensity Analyser		358		1	
32		07-08-00882		Wafer, M.F 6" W/Carrier	1	
33	Plate				1	

### Ultratech 1100 Inventory










Item No.	OEM P/N	Manufacturer	Model/Others	Description	Qty
1	03-08-00096	Ultratech		BD 944 Stage Driver	1
2	03-08-00096 Rev C	Ultratech		BD 944 Stage Driver	1
3	0503-203800 Rev A	Ultratech		Stage Motor Amplifier (SN: 689)	1
4	0513 4197 00 REV 5	Ultratech	Made : 12-06-83	Stage Servo (SN: 446)	1
5	0513 4197 00 REV 2	Ultratech	Made : 83-9-15	Stage Servo (SN: 250)	1
6	0513 4197 00 REV 2	Ultratech	Made : 83-9-15	Stage Servo (SN: 334)	1
7	0513 4197 00 REV 2	Ultratech	Made : 83-9-15	Stage Servo (SN: 241)	1
8	0513 4197 00 REV 5	Ultratech	Model 151 Semifusion Corp	Stage Servo (SN: 499)	1
9	0513 4197 00 REV 5	Ultratech	Model 151 Semifusion Corp	Stage Servo (SN: 699)	1
10	0513 4197 00 REV 5	Ultratech	Model 151 Semifusion Corp	Stage Servo (SN: 710T)	1
11	0513 4197 00 REV 5	Ultratech	Model 151 Semifusion Corp	Stage Servo (SN: 9220510)	1
12	0513 4197 00 REV 5	Ultratech	Model 151 Semifusion Corp	Stage Servo (SN: 600T)	1
13	0503-300700	HP	HP COMPARATOR 10762-60001	HP COMPARATOR	1
14	0503-300700	HP	HP COMPARATOR 10762-60001	HP COMPARATOR (SN 1116)	1
15	0503-300700	HP	HP COMPARATOR 10762-60001	HP COMPARATOR (SN 04138)	1
16	0503-300700 A	HP	HP COMPARATOR 10762-60001	HP COMPARATOR (SN 02195)	1
17	0503-300700	HP	HP COMPARATOR 10762-60001	HP COMPARATOR (SN 04463)	1
18	0503-300700	HP	HP COMPARATOR 10762-60000	Laser comparator bd S/N 02852	1
19	0513-555000 Rev A	Ultratech	Model 151 Semifusion Corp	X-Y Servo Board	1
20		Semifusion Corp	Model 380 Semifusion Corp	Autoloader Controller	1
21		Semifusion Corp	Model 380 Semifusion Corp	Autoloader Controller (SN 346)	1
22		Semifusion Corp	Model 380 Semifusion Corp	Autoloader Controller (SN 763T)	1
23		Semifusion Corp	Model 380 Semifusion Corp	Autoloader Controller (SN 327)	1
24		HP	HP 10746-60001, 218B15 (ST9X4IP155), SN:08094	Binary Board	1

25		HP	HP 10746-60001, SN: 00063	Binary Board	1
26		HP	HP 10746-60001, SN: 08238	Binary Board	1
27		Semifusion Corp	Model 150 Semifusion Corp. 900 or 1000 widefield w/series one illumination	Stage Servo Controller (SN 265)	1
28		Semifusion Corp	Model 370 Semifusion Corp	Autoloader Controller	1
29		Semifusion Corp	Model 170 Semifusion Corp	AutoPhoto Controller, SN 245	1
30		Semifusion Corp	Model 170 Semifusion Corp	AutoPhoto Controller, SN 112	1
31		Semifusion Corp	Model 170 Semifusion Corp	AutoPhoto Controller, SN 698	1
32		Semifusion Corp	Model 170 Semifusion Corp	AutoPhoto Controller, SN 382	1
33		Semifusion Corp	Model 170 Semifusion Corp	AutoPhoto Controller, SN 696	1
34		HP	09826-66562 Rev B	200 Seriese Floppy Disc Controller, SN 2451-7538	1
35			HP 09826-66516	UT Computer PCB HP 09826-66516, C-2340-40, 2424-3830.	1
36		HP	10764-60008A	Fast Pulse Converter, SN:20	1
37		HP	10764-60008A	Fast Pulse Converter, SN:75	1
38	0523-58500	Ultratech		System Driver	1
39	0523-58500	Ultratech		System Driver	1
40		Ultratech 1000	MODEL 131-1	System Driver	1
41		Ultratech 1000	MODEL 132	System Driver	1
42		Semifusion Corp	Model 260 Semifusion Corp	Jumper Board, SN: #289T	1
43		Semifusion Corp	Model 260 Semifusion Corp	Jumper Board, SN: #13	1
44		Semifusion Corp	Model 120 Semifusion Corp	Universal 32 BIT Interface Rev-D1,SN:9002106	1
45		Semifusion Corp	Model 120 Semifusion Corp	Universal 32 BIT Interface, SN: #409T	1
46	1002-373700	ELWOODGETTYS	Model 23D-6112M	Input Indexer Stepper Motor	2
47	1032-573600	ELWOODGETTYS	Model 23D-6112M	Conveyor Stepper Motor	2
48	1002-373500	ELWOODGETTYS	Model 23D-6112M	Output Indexer stepper motor	2
49		Semifusion Corp	Model: NO.250	Focus reference S/N:219 T	1
50		HP	10743-60001		1
51	0553-700974 REV-H	HP		laser comparator bd S/N 0671	1
52	0553-701156	Ultratech stepper		BD., Amplifier, Air Guage	1
53		ultratech		Focus panel	1
54	98261-66542	HP	88809L REV B	B-2312-40 2424-1186 HPL 98604A	1
55	0553-602400	ULtratech	REV-D 238	AMP DRIVER SN:238	1

56	OE1630	USHIO	Type: USH-510FU57.9V	Super High Pressure UV Lamp	1
57		TEM FILTER COMPANY	TEM-711	Gas filter Max press 250psi	1
58		Honeywell	Valve NO:B2DX281	Solenoid Valve 24VDC 7WATTS, CODE FAI, 100PSI, ORIFCE 3/64 TO 3/64	1
59		Honeywell	Valve NO:B14DM1101	Solenoid Valve 24VDC 6WATTS, CODE C06, 25PSI, ORIFCE 1/8	1
60		Honeywell	Valve NO:B2DX281	Solenoid Valve 24VDC 6WATTS, CODE 2204E, 25PSI, ORIFCE 1/8	1
61		Honeywell	Valve NO:B2DX271	Solenoid Valve 24VDC 6WATTS, CODE FI6, 25PSI, ORIFCE 1/8	1
62		CKD	MODEL:USG2-M5-1	Solenoid Valve 24VDC 3WATTS, Pipe M5, 0- 7Bar, ORIFCE 1.0	1
63		Honeywell	Valve NO:B14DK1030	Solenoid Valve 24VDC 6WATTS, CODE F06, ORIFCE 3/32 TO 3/W32	1
64		Parker	Valve NO:B14DK1100	Solenoid Valve 24VDC 7WATTS, CODE 04051, 100Psi, ORIFCE 3/64 TO 3/64	1
65	1054-603500			M-part ellipsoidal mirror, 1000W	2
66		LAMBDA	JWS75-15/A HFP	15VDC power supply	1
67		Ultratech stepper 1100		Chuck 5"	3
68	10-02-00163	Ultratech stepper		Chuck 4" assy	2
69		Ultratech stepper		Chuck 5"	1
70		Ultratech stepper		Chuck 6"	2
71		Ultratech stepper 1000	Model:0526-700331	Theta motor assy, serial no: 2120	1
72		Ultratech stepper 1000	Model:0526-700332	Laser interferometer	4
73		Amperite	115C3	Relay	4
74	358-002-03		C2145(420nm)	OAI OPTICAL ASSOCIATES Sensor	1
75	0553-627300	Ultratech		BD, Sensor, X, O.E.S.	1
76	01-08-04851		904IM261	Consignment Servo brush assy inland	6
77	0556-636500			Signature 1000 RT Cable	1
78	1004-292401			UV Filter	1
79	0556-697400	Ultratech		WAS,	1

80		API GETTYS		MOTOR,20VDC 1AMP	1
81		Rapidsyn	23D-6112J	MOTOR,24VDC 1AMP	1
82		Rapidsyn	23D-6113C	MOTOR,24VDC 1AMP	1
83		Superior	Type: M061-FC-411	MOTOR,1.25VDC 3.8AMP	1
84	3803-000005	MELLES GRIOT		FLAT MIRROR	1
85		Semifusion Corp		Pen motor driver	2
86		Hamamatsu	C956-04	lamp house assy	1
87				Disk	15
88				Reticle slide	3
89		ultratech	s/n: 9002106 9Z4IP154	Universal 32 BIT Interface Rev-D1,SN:9002106 rev-D	1
90		Semifusion Corp	NO.120	32 BIT INTERFACE #569	1
91		semifusion Corp	no.370	Autoloader Controller #755	1
92	10746-60001	HP	10746-60001	Series 1652 42003F	1
93	10746-60001	HP	10746-60001	UT BINARY BORAD 9431400238 REP 218B15	1
94		semifusion Corp	NO.120	Date: 820510 32 bit interface	1
95		STM		6" Standard wafer	3
96	62-15-03894	KTC		Cable rev.x	1
97		SANTA CLARA . July-2009	EXCEL 1001A laser head	405uw , 632.9916nm , S/N: 1001A-9G378	1
98	TF-10-17439	ACME electric	220/440-----110/220	Transformer	1
99	2204A04944	HP	10780A	IF RECEIVER	1
100				Standard height	1
101				Unknown parts , cable	1
102	1553-622100	Ultratech		Detector board . Rev-B S/N:9423101-1 MVS	1
103		ULtratech		Slider	1
104	1002-408400-3B	ULtratech	6.355-6.315	Drive Rod	1
105				Regulator	1
106	1029-536700C			MVS Scope	1
107		NRC newport corp USA		WAS Scope	1
108	5" Auto Loader				2

### Suss ACS 200 Part List

S/N	Name	Part number	Serial No.	Model	Description	Mfg	Qty	Picture
1	Host computer		101080-03		PC control system		1	
			302201-01		PC control system		1	
			107190-06		PC control system		1	
2	Coater rotor			300AC620-010	NEW		1	
3	Gauge			CAT NO: N32T 2-503		Dwyer	1	
4	Valve	2-215-041	013 2003			CYBOR	1	
5	Pump				pump option:05021-05,-51 , -HP,-0K,-N2	CYBOR	1	
6	Cybor power supply			512H6/ 00512-05		CYBOR	2	
7	Cybor controller			527E/00527-05		CYBOR	2	

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Company Reg. No: 201701120E GST Reg No.: 20-1701120-E

## Steag Hamatech HMR90 Part List

S/N	Part number	Parts	Qty Available
1	7412168	Ammonia 0.1um 800cc filter	1
2	109040	pressure switch	2
3	12000249	leakage sensor	2
4	204058	proximity sensor	1
6	203006	Temperature sensor	1
7	107107	2 way ammonia inline valve	1
8	107291	Pilot valve 1/4 2 way	1
9	1207096	Fulljet pump	1
10	114011	check valve mcv-144	1
11	107184	Burst Disk	1
12	5160A102	SS Pressure tank wt quick connectors	1
13	7219928	window cover	1
14		Ionization controller	1
16		3/2 way valve	2
17		door sensor	1
18		filter	1
19		pressure sw	2
20		burst disc	1
21		leak sensor	2
22		vacuum control valve	1
23		thermo couple	1
24		Float switch	1
25	Simens COROS OP15	Operator Panel OP 15-C1, 6AV3515-1MA20-1AA0	1




# Optical Lithography Parts

S/N	Name	Part number	Model	Description	Qty	Pictures
1	Kimmon - IK Series He-Cd Laser	2665	IK4151R-C-H	Laser mode: CW, 442nm, Power: 300mW (max)	1	 A black rectangular laser unit with a control panel on the front, resting on a perforated metal surface.
2	Kimmon He-Cd Laser Power Supply	P3343	IM120C		1	 A black power supply unit with a digital display and control buttons on the front panel. The text 'KIMMON' and 'He-Cd LASER POWER SUPPLY' is visible.
3	Renishaw Interferometer Laser	H01150	HS10	24 V (DC), 30 W Max	1	 A black power supply unit with a control panel on the front. The text 'RENSHAW' is visible on the front panel.

4	Renishaw Interferometer Laser	H01155	HS10	24 V (DC), 30 W Max	1	
5	Julabo - Tempertaure Controller	10023900	LC4	230V, 50-60 HZ	1	
6	Anorad Stage Controller	EC0001609 D3	Module - D-SERV-DLM2-65V	220V, 12A	1	
7	Anorad Stage	A150046	1347		1	
8	Renishaw - Linear Beamsplitter	G84926			1	

9	Renishaw - Linear Beamsplitter	G84925			1	
10	AOM- Acoustic optic modulator	AA.MTS1200/S@442nm		AA.MTS1200/S@442nm	1	
11	CCD Video Camera- Sony N50	87016	XC-75CE	Camera with 75mm Lens	1	
12	CCD Video Camera- Sony N50	98195	XC-75CE		1	
13	OMRON- Microswitch	Z-15GW2-B	Z4G1L03B	180VAC, 15A	2	
16	Festo - Air Cylinder (0.3 - 10 bar)	16128	DSNU-25-580-PPV-A-610	P Max 10bar	1	

17	Festo - CDA & OIL filter		Cda filter # (LFMA-D-MINI) Oil filter # (LFRN-1/4-B)	M043	10	
18	Festo CDA filter	162718	LFR-D-5M-Mini	p1 Max: 16bar, 230psi, 1.6 Mpa	1	
19	Lumolux faseroptik		KLQ100W	Light source (250 Vac) with optical fibre	1	