

FF #	Type	Maker	Model Name/#	Part or S/N	Status	Qty.	Description	Location
TC 5-1	Thermocouple	BASF/MRL	Type R thermocouple, 5 zone control TC, in quartz well	30177	New	1	5 zone type R thermocouple in quartz TC well, ball socket end (25mm) LPCVD use, 1800mm total length	svale
TC 3-2 to 3-19	Thermocouple	BASF/MRL	Type R thermocouple, 3 zone control TC, in quartz well	various	New	18	3 zone type R thermocouple in quartz TC well, diffusion use, 1800mm total length	svale
TC 3S-1,2	Thermocouple	not known	metal sheath 3 zone thermocouple (should be type R)	na	New	2	3 zone (should be type R) metal sheath thermocouple, diffusion use, 1800mm total length	svale
Furn1	LPCVD Furnace	NorCal	S.S. Cold trap for LPCVD exhaust system, FTW3-8-3002-ISO	290006	New	1	ISO 80 flanges, 200mm dia., approx. 14.5" length, serpentine cold tube path inside trap	svale
Furn2	LPCVD Furnace	SFP	316 S.S. tubing for exhaust system	na	New	12	12 pieces 316 S.S. tubing for LPCVD exhaust system, elbows (one run with 90° bend, 2 KLF 40mm ends), all have 3.5 inch run elbow, run lengths are 4 @ 8 inches, 4 @ 21.5 inches, 4 @ 32 inches	svale
Furn3	LPCVD Furnace	Solvay Solexis	Fomblin Fluid type 25/6 CAS# 69991-67-9	na	New	32 kilos	32, 1 kilo bottles of Fomblin 25/6 fluid	svale
Furn4	LPCVD or Diffusion	MRL	Motor Controller/Power Unit Part# 9200954549 R RMA	1-92019252060109 1-no serial #	Re-furb	2	MRL Motor Controllers/Power Unit (for front end cantilever loaders) paperwork says sent for repair to MRL but no issues found	svale
Furn5	Diffusion Furnace	Sci-Tech Glassblowing	Quartz drip trays for PoCL3/Boron doping furnaces	na	New	3	New quartz drip trays for PoCL3/Boron diffusion furnaces	cam
Furn6	Furnace	STG	CIS bell jar for Se doping and H2 enrichment, opaque glass	na	looks new	1	CLEAR BELL JAR (024256) USED but looks new, Thin Film Copper-Indium-Selenide, used for Se doping and H2 enrichment. 470mm I.D., 2000mm length, approx. 600mm O.D. on sealing flange, flange is 20mm thick. This bell jar is used in horizontal furnace system to Se dope and enrich thin film CIS panels up to 400mm wide.	cam
Furn7	Furnace	STG	Quartz boats, for 5 inch wafers	na	used	259	14 boxes of 17-20 boats per box.	cam
Furn8	Wafer transfers	Faith Enterprises	Rapitran II wafer transfer systems, model 435125	various	used	12	FAITH ENTERPRISES - 435125 WAFER TRANSFER SYSTEM, RAPITRAN II, These machines transfer 25 wafers from a cassette to a diffusion boat and back again. Multiple transfer modes cassette to cassette and boat to boat transfers.	cam
PL1	Plasma	Advanced Energy	AE AM10 Plasma Matching system, MN3150097-000	249589	New	1	AE RFPP 1000 watt (@13.56MHz) RF matching Network with cables and manual and original calibration sheet	svale
PL2	Plasma	Advanced Energy	AE controller for matching network, MN3150302-000	01330 rev B	New	1	AE controller for AE AM10 matching network	svale
WS1	Wire Saw	HCT	Vacuum chucks for HCT 480DU wire saws	na	new or re-furbered	5	Vacuum chucks for HCT 480DU wire saws	cam
WS2	Wire Saw	HCT	Wire spools for 480DU wire saws	na	New	2	Wire spools for HCT 480DU systems.	
WS3	Wire Saw	HTC	Rollers for 480/400DU wire saws	na	need re-grooving	8 sets of 4 (32 rollers)	These are the rollers that the saw wires are wrapped around to provide the driving motion and precise placement of the wires to the ingots.	cam
WS4	Wire Saw		Compressed air tanks for wire saws	various	used	7	This bank of 7 tanks provides stable air pressure to support the wire saw operations, prefer to sell the 7 tanks as one unit	cam
WS5	Wire Saw	HCT	Rectifier assemblies for 480DU saws	na	used	5	Rectifier assemblies for 480DU saws, likely need repairs	cam
WS6	Wire Saw	HCT	Wire pool shafts		new	6	Wire pool shafts for HCT 480DU saws	cam
S1	Test	unknown	New Lamp reflector for Oriol Solar Simulator	na	New	1	New relector for Oriol solar simulator for testing solar cells	cam
S2	Test	Optical Radiation Corporation	Arc Lamps for solar simulator XM-1600-7HS	92CO2145	New	2	Calibration data shows 63amps, 20.8volts (these vintage 1992)	cam
P1	Pumps	Leybold	TurboVac TMP361C	A9600082, 93401061	looks new	1	Perfectly clean TurboVac TMP361C but we cannot verify operation 150mm throat, ISO fitting	svale
P2	Pumps	Wilden	Re-build kit for diaphragm pump, #08-9552-55	na	New	1	New re-build kit for Wilden diaphragm pump "Elastomer Kit" P8 Plastic Teflon-Fitted, has 4-diaphragms (-190mm dia.), 4 "balls" with o-ring seals, and 1 gasket and 2 shaped/fitted seals, still in original plastic sealed pack	svale
A-1	Automation	Parker	Rodless Actuator, ERB80-B01NA99-FSR826-A145	270657-053006-001	New	1	Rodless Actuator, AC servo motor Yaskawa 400W SGM-04VGNK52, ball screw 1.000" in lead, 1:1 drive ratio, roller bearing carriage (240mm length), 826mm stroke, 1210mm length, have manual	svale
A-2	Automation	Yaskawa	AC Servo Motor, SGM-04VGNK52	DC04ZH501910013	New	1	AC Servo motor, 400W, 200V, 2.6A, N-m 1.27, r/min 3000 (used with Adept robotic systems and other precision placement systems)	svale
A-3	Automation	Adept	Smart Amp and mounting bracket p/n 30410-10000	410-004217	New	1 set	Smart Ampand mouting bracket for use with Yaskawa servor motor (above) have manual	svale
A-4	Automation	SMC	Pneumatic Gripper, MHL-2-20DI	na	New	2	Pneumatic gripper, automated catch and release placement device, 5.25" to 9.5" travel	svale
A-5	Automation	Industrial Devices Corp.	Electric Cylinder, NX-10-5B-12-MF1-FT1-ELE43X	020205A112634	New	1	Electric cylinder, 17.5" length, about 12-15" stroke, has drive belt, no motor	svale
A-6	Automation	T-Squared	End Effector Vacuum Arm p/n TS1119	na	New/re-furb	3	Twin arm vacuum wand end effector, span is 10 inches, was in use with Adept robotics for twin product (6inch wafers) pick up and place	svale
A7	Automation	Adept	Cable sets for robots/controllers	905060-00005 rev A 10861-01330 rev B	New	1 set	Robot arm cable kits, for Cobra or Viper Robots	cam