



Q&D Multilayer PCB co., Limited

Equipment List 设备清单

Process (工序)	Sub-Process 子工序	Equipment 设备名称	Vendor/Type 供应商/型号	Quantity 数量	
Cutting (开料)	Cutting (开料)	Oven(焗炉)	ChangYu(长裕)	1	
		Cutting machine(切板机)	JieHui(捷惠)/JH-900	1	
		Fibre cutting machine(切纤维机)	JieHui(捷惠)/JH-299/Huanqiu(环球)	2	
		Copper foil cutting machine(切铜箔机)	VNC-55	1	
		Corner Routing(圆角机)	JieHui(捷惠)/JH-180	2	
		Routing Machine(锣机)	XueLong(雪龙)/XL-L2H-B-H	1	
		Automatic cutting machine(自动开料机)	Youshi(佑实)/YS-5CF	1	
			Lewei(乐维)/LPS-260	1	
		FPC Cutting Machine(FPC开料机)	Ekingbeyond(易凯比昂)/EKBYD-CL680	1	
	Others (其他)				
Inner Layer Imaging (内层图形)	Pretreatment (前处理)	Chemical clean(化学清洗线)	TechWin(天华)17CCP50HNA02/17CCP50HNA01	2	
			Universe(宇宙)/16CCP30HNAA02/UH-OCP30N	2	
	Film laminate/Coating (贴膜/涂布)	Auto. laminator(全自动贴膜机)	QunYi(群翊)/CSU2208W	2	
			SVCOR(思沃)/FCM-30HF	1	
		Coating line(涂布线)	QunYi(群翊)/GRC-7N/GRC-8VW	1	
			RuiRong(瑞荣)/RCP800	2	
		Vertical Roller coating machine(垂直式滚轮涂布机)	Group Tech(群翊)/GRC-8V	1	
			RuiRong(瑞荣)/RCP800	1	
	Exposure (曝光)	Auto. Exposure machine(自动曝光机)	Taiwan Zhisheng(志圣)/UVE-A220//UVE-A270L	2	
			ChuanBao(川宝)/CBT-6907E	2	
			DuoPu(多普)/TP-3197S	2	
		Semi-automatic exposure machine (半自动曝光机)	Zhisheng(志圣)/UVE-M565L	1	
		LDI exposure machine(LDI曝光机)	JingXinWei(精芯微)LDI/Mars 8P-H	1	
			Orbotech(奥宝)/PARAGON-880HI/8W-LDI	2	
	Developing (显影)	DES Line (DES线)	Universe(宇宙)/16DES45HNAA01/16DES45HNAA06/UH-DES30N	3	
		Developing line(显影线) Developing+etching+Stripping (显影+蚀刻+腿膜)	Taiwan Yangbo / Schmid /Universe(宇宙)	3	
	Line width/space (线宽/间距)	Line width/space inspection machine (线宽/间距仪)	GuangDongZhengYe(广东正业)/XK-25	2	
	Others (其他)				



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Inner AOI (内层 AOI)	Inner AOI (内层 AOI)	AOI machine(AOI机)	Camtek(康代)/-Dragon PX/Dragon 3G-LT	2	
			Optima(奥蒂玛)/DS2-HW/DS2-HCW	2	
		VRS machine(VRS机)	Israel Camtek(康代)/3G-LT Sirius/CVR 100 FengMing(锋明)LINKMASTER-L/LINKMASTER-L2 Jusen(炬森)/G3-L/G3V0060170	8	
		CCD drilling machine (CCD冲孔机)	Sunworld(广曜)/SW-TN-B	2	
			ShenZhenJingJin (深圳晶金) /FAP-950D	2	
			Guangxuan(光宣)/TDZ-600A	1	
			NingBoDeYi (宁波得益) /ZK-S-5B	1	
		Target mark drilling machine (connected with Optima)(内层定位孔冲孔机器 , 与奥蒂玛机连线)	XiangShun (祥舜)/PE-3000/APE-3000	2	
		Others (其他)	Automatic drilling machine(全自动冲孔机)	Sunworld(广曜)/SW-TN-E	1
		Press (压合)	Brown oxide (棕氧化)	Brown oxide line (棕化线)	Universe(宇宙)/UH-BR30N TechWin (天华)/19BR55HNA01
Prepreg Cutting (开PP)	Prepreg Drilling Machine(PP钻孔机)		MingFeng(名丰)/DS-658	1	
	Prepreg Cutting Machine(PP自动开料机)		ASIDA(爱思达)-CQ2000	2	
Riveting (铆合)	Riveting machine (铆合机)		HJ-868/NC-368-1	2	
			XingJiang(兴将)/NC-286-1/HJ-868	2	
	Fuse machine (熔合机)		JingJin(晶金)/HFW-750F /HFW-750FS	2	
	X-RAY Machine(X光检查机)		ZhengYe(正业)/ASIDA-XG3000	1	
	Pin-lam machine (pin-lam排板台)		KunShanJuHong(昆山巨阔)Pin-lam	4	
	Automatic laminate line(自动排板线)		YingTuo(英拓)	2	
Pressing (压合)	Press machine(压板机)		Burkle(博可)LAMV285/LAMK5/LAMV400/LAMK10	4	
			Kitagawa(北川精机)/VH4	4	
	Steel plate scrubbing machine (磨钢板机)		MeiRuiAn(美瑞安)/MC-805PM	2	
	Steel plate washing machine (钢板清洗机)		FengKai(逢开)	2	
Dismantle(拆板)	Dismantle line(拆板线)		USUN(阳程)	2	
			FengKai(逢开)	2	
	Routing Machine (铣边机)		XueLong(雪龙)/XL-L4H-B	1	
			DaYou(大友)/DY4S720580	2	
	Edge Milling Machine(裁磨连线)		JieHui(捷惠)/JH-7018	1	
	X-RAY Machine(X光检查机)		Taiwan Haoshuo /Muraki	3	
	X-RAY Targeting Machine(X光钻靶机)		Hansong(韩松)/HR-E2M	3	
			MURAKI(天永)/MMX-888Z	3	
			DLF(得力富)/CH-608	1	
	Automatic Routing and Milling Machine (自动磨边机)		JieHui(捷惠)/JH-8294	2	
Board thickness tester(板厚测试仪)	ZhengYe(正业)/CB11	1			
	Yingtuo (英拓)	1			
Steel plate scrubbing&cleaning machine(钢板打磨清洗机)	Xinjixin(新吉欣)/XJX-SMGL800/XJX-CHY800	2			



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	Copper Reduction (减铜)	Copper Reduction Line(减铜线)	Universe(宇宙)/15ET20DNAA05	1		
		LDD Brown Oxide Line(LDD棕化线)	TCM(捷成)/TCM-OXS1506	1		
			Universe(宇宙)/17BR45HNAA03	1		
Others (其他)						
Drilling (钻孔)	Drilling (钻孔)	Routing machine(锣边机)	/	0		
		Polish machine(磨边机)	/	0		
		Drilling machine(钻机)	Hitachi(日立)/ND-6Ne210E/ND-6CS220/ND-6Ni210E/ND-6YS220/ND-6J250E	10		
			Germany SCHMOLL/X PLUS 6-200	2		
			TL(大量)/NTL-DG2L/NTL-DG6L/TL-DG1H	3		
			SongLin(松林)/MT285-AXLP/MT283C-ALP	2		
			JingChengDaWei(精诚达威)/JW/DXJ-03X	2		
			WeiJia(维嘉)/Super D6CMSL	2		
			Laser drilling machine(激光钻机)	Mitsubishi(三菱)/ML706GTW4/ML605GTW5	2	
		Han's(大族)/HD600E2A		1		
		Automatic drill resharpening machine (全自动钻咀研磨机)	CIN PHOWN(欣苙)/DRM-2014S	2		
		Semi-auto drill resharpening machine (半自动钻咀研磨机)	Jingrong(景荣)/MDP-10IV	1		
		Drill Bit Resharping Machine(钻咀研磨机)	CIN PHOWN(欣苙)/GM12/DRM-2013S/DRM-2014S/DRM-2016S	4		
		X-RAY Machine(X光检查机)	Taiwan Haoshuo(浩硕)/AIT-900	2		
			Aishada	2		
		Routing out(钻机精度测试机)	WenTan(文坦)/DQA-650	2		
			Zhanliang	1		
		Center dust collector(中央吸尘)	HengSheng恒升/100HP L2150*W2150*H5000mm /LG-75HP/LG-100HP	3		
			BaiZhiXing(柏志兴)/LG-100HP	1		
		Microscope(显微镜)	OLYMPUS(奥林巴斯)/MX61L	1		
		Plasma(等离子清洗机)	Boffotto(宝丰堂)/P15V-M	1		
			RuiBao(睿宝)/RPP-V13L	1		
		Others (其他)				



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PTH (沉铜)	PTH (沉铜)	Scrubbing/burr clean line (磨板/去毛刺机)	Universe(宇宙)/18DB80NKAA02A1/UH-DB25K	2
			MeiRuiAn(美瑞安)/MC-PF600	1
			JiHong(吉宏)/JH-MS800	1
	De-smear and PTH(除胶及沉铜)	JingMing(竞铭)/DMH-FA05130	2	
Others (其他)				
Panel plating (板电)	Panel plating (板电)	Panel plating line (板电线)	Dongwei(东威)	1
			JingMing(竞铭)/PNL-FA	2
	VCP	Universe(宇宙)/15 EVCP 39 NP MA SA 03	1	
		Dongwei(东威)/VCP-B750-11Cu/VCP-750A-8CuSn	2	
	Copper Thickness Measuring Instrument(铜厚测量仪)	Oxford(美国牛津)/CMI760E	2	
Others (其他)				
Resin plugging (树脂塞孔)	Resin plugging (树脂塞孔)	VCP line(真空树脂塞孔机)	BaoDe(保德)VCP线	2
		Semi-auto Hole-plugging Printing Machine(半自动塞孔印刷机)	Jinghui(景晖)/CHFP-26	1
		Selective Vacuum Resin Plugging Machine(选择性真空塞孔机)	SUNUS(晟丰)/VP600/VP900	1
		Ceramic Polishing Line(陶瓷磨板线)	Jiejun(捷骏)/TSB-A4-2410,TSB-A1-1443	2
		Baking Oven(精密热风烤箱)	Asia Neo(科峤)/NHO-8HG	3
Others (其他)				
Pre-treatment (前处理)	Pre-treatment (前处理)	Tephra scrubbing(火山灰磨板机)	Universe(宇宙)/16SCF35HKAA07/ 17SCF35HKAA06	2
		Micro-coarse (超粗化前处理线)	Universe(宇宙)/UH-SCM30K	2
		Scrubbing(磨板)	10SCM25NKAA05	1
		Chemical clean (化学清洗线)	Universe (宇宙)	1
	Film laminate (贴膜)	Auto. Film laminate(自动贴膜机)	ZhiSheng(志圣)/CSL-A25HII	2
			SVCOR(思沃)/PCM-30PLUS	2
			HAKUTO(伯东)MACH 630UP	1
	Exposure (曝)	Auto. Exposure machine (自动曝光机)	HITACHI(日立),Japan ORC(日本)/ADTEC	2
			Japan ORC/EXP-2500/EXP-2500E	2
		Manual Exposure machine(手动曝光机)	HongKongJingNian(香港经年)/HMW-201-B5K	1
		Semi-automatic exposure machine (半自动曝光机)	ChuanBao(川宝)/E2100-5KAC	2



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Outer Film (外层干膜)	光)	LDI exposure machine(LDI曝光机)	Orbotech(奥宝)/LDI Nuvogo800	1
			PHOTECH/H9300S	1
			YingSu(影速)/H9300DL	1
			Han's(大族)/IN LINE LDI-E25L	2
	Developing/Etching (显影/蚀刻线)	Developing+etching+Stripping (显影+蚀刻+腿膜)	Taiwan Yangbo /Universe(宇宙)UH-DLD30K/UH-DLD25K	2
			Universe(宇宙)/17DES45HKAA05/17DES45HKAA11	2
	Film (菲林)	Photoplotter (光绘机)	EIE/RP-308ST	3
			Orbotech(奥宝)/LP-9RS	1
		Film Processor(菲林冲片机)	Huazhuo(华卓)/HZ-350	1
		Film Inspecting Machine(胶片检查机)	Eagle(凌云)/F8000A-2D	1
		Auto Smart Silver Recycler(全自动智能银回收机)	Youcan(宇冠之星)/YCT-20LA-PCBF	1
	Line width/space (线宽/间距)	Line width/space inspection machine (线宽/间距仪)	ZhengYe(正业)/XK21	1
	FPC (软板)	FPC Brown Oxide Line(软板棕化线)	TCM(捷成)/TCM-0X1701	1
		Mechanical Cutting Machine(机械切割机)	Hanmeng(瀚盟)/FC4550-504	4
			Zhuzhi(珠芝多元全自动裁切机)/DARP-1300	1
			Minggang(铭钢分条机)/MG-FT650B	1
		Laser Cutting Machine(激光切割机)	Integrated(瀚盟)/FC4550-50	4
		Fast Pressing Machine(快速压合机)	Ekingbeyond(易凯比昂)/EKBYD-80T-04Z	2
			Jingke(精科)/JK20509-4A	1
			Dingrui(顶瑞)/AHB012	2
		FPC fake pressor(假贴机)	Ekingbeyond(易凯比昂)/EKBYD-JT-01A	1
			Duoyuan(多元)/DTRB-1600SEPIES	2
		Baking Oven(热风烤箱)	Group Up(群翔)/GO-2	2
Auto Stiffeners(全自动贴补强机)		Ucan(鼎泰)/DTBQ-3100	2	
Drilling machine(冲孔机)		Guangxuan(光宣)/320A-XY	1	
Others (其他)	quadratic element 二次元	OPTEK/ 712VA, LDI	1	
Outer AOI	AOI machine(AOI机)	Camtek(康代), Optima(奥蒂玛)/DS2-HCW	2	
		FengMing(锋明)/LINKMASTER-A/LINKMASTER-L/LINKMASTER-H/LINKMASTER-L2	4	



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AOI (外层AOI)	(外层AOI)	VRS machine(VRS机)	Camtek(康代)/Dragon Elite/DRAGON 3G-HD/Dragon PX	3	
			Optima(奥蒂玛)/V3-P/DS2-H	2	
	Others (其他)				
Pattern Plating (图电)	Pattern Plating (图电)	Plus plating line (脉冲电镀)	DongWei(东威)	1	
		Pattern Plating line(图电)	JingMing(竞铭)/PTT-A6151/PTT-FA	2	
		Fill plating line (填孔线)	Jingming(竞铭)	1	
	Others (其他)				
Solder mask (绿油)	Pretreatment (前处理)	Tephra scrubbing(火山灰磨板机)	Universe(宇宙)/UH-SCM30K	1	
			Universe(宇宙)/17SCMP45HKAA03	1	
		Chemical Pretreatment Line (超粗化线)	Universe(宇宙)/12SCF25NKA15	1	
		Scrubbing(磨板)	Universe(宇宙)	1	
	Print(印油)	Print machine(印油机)	HangYu/ Taiwan Dongyuan (东远)AT-EW80P	5	
		Semi-automatic Screen Printer(半自动专用网印机)	Dongyuan(东远)/AT-EW80P	4	
			Lianheng(联恒)/LS-7080	1	
		Semi-automatic Plug Hole(半自动专用塞孔机)	Jinghui(景晖)/CH-5070BDL	1	
			Lianheng(联恒)/LENSTAR/BH-88	1	
		Automated Plug Hole (全自动塞孔机)	JinMa(金马)/	1	
		Static spray machine(静电喷涂)	FURNACE/FSC-08-L	1	
		Pressurized Spray Coating Machine(气压喷涂机)	LT(柳田技研)/FSC-520-C-CD-01	2	
	Exposure (曝光)	Oven (焗炉) /Tunnel over (隧道炉)	Qunyi(群翊)/GO-89D/GCO-710BD	4	
		Auto. Exposure machine (全自动曝光机)	ORC/EXP-2700/EXP-2700E	6	
		Semi-automatic exposure machine (半自动曝光机)	ChuanBao(川宝)/CBT-810/CBT-810AE	2	
		LDI machine(直接成像曝光机)	WangPing(网屏)/LI-5S-L	2	
	Developing (显影)	Developing line (显影线)	Universe(宇宙)/UH-DLM30K TechWin(天华)/17DLM60HKA01R1	2	
	Others (其他)	Vacuum box(不锈钢真空箱)	HongTengXinLi(鸿腾新力)/L750*w800*h700-2腔体	1	
	Others (其他)				
				Taiwan Dongyuan(东远)	3
				YongChang(永昌)/P-W6080/P-WF6061A	2



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Legend (字符)	Legend (字符)	Legend printer (丝印机)	DongHai(东海)/SFA-PC760ECT-L/SFA-PC760ECT-R	2
			ChangYu(长裕)/1773	1
		Legend ink jet printer(字符打印机)	Hanyin LK-20S	1
			JinXin(劲鑫)/Saturn-9000L	1
		Oven (焗炉)	ZhiSheng(志圣)/SMO-8AS QunYi(群翊)/GO-89DP /GCP-715CD/GCO-720BD PengLi(鹏利)/PCBSWCA-8D	8
	Drying print machine(晒网机)	BangLi(邦立)/BL-4860/BL-3648 JingWei(精纬)/GWLDS-1211 XinNuo(新诺)/ALDI-CTS-1221	3	
Others (其他)				
Routing (锣板)	Routing (锣板)	CNC Routing machine(锣板机)	EnDe(恩德)/MR-2228/S4,MR-2228/S6,MR-2228/S2,MR-2530/S2,PR-2228/S2,PR-2228/S4,PR-2228/D4,PR-2530/DD5 DaLiang(大量)/NTL-RU4B/NTL-RU5E/NTL-RU2L XueLong(雪龙)/XL-L2H-B-A,XL-L2H-B-H,XL-L5H-BH	15
		Auto.V-cut machine (自动V-cut机)	Germany Schmolli/ LHMT	2
		V-cut machine (V-cut机)	YingTuo(英拓)/VCM-660PN ChengZhong(成盅)/CZ400 ZhengZhi(正智)/Tx-V400S PengXuan(鹏轩)/SUC-1500	4
		Remaining Thickness Measuring Machine(残余测试仪)	Chenggu(成盅)/SUC-188	1
		Gold Finger Puching Machine(金手指异形冲孔机)	COMWEB(光宣)/ATP-360	1
		Gold finger edge chamfer(金手指斜边机)	Yongle(永伪)/YL-400B FuDeLi(富得力)/MDP-ZD02	2
		UV Laser Cutter(UV激光切割机)	Zhengye(正业)/ASIDA-JG16-A	2
			Han's(大族)/UVMakER-650A	1
		Open Back Press With Fixed Bed(开式固定台压力机)	Kaifang(开方)/KF-307H	2
		Post-routing Board Rinsing Machine(成型后清洗)	Universe(宇宙)/15FC50DTAA03	2
		Others (其他) Auto. Image Measuring Machine 自动影像测量仪		SiRui(思瑞)/SVM6080 DCC CLASSIC
		Flying tester(飞针测试机)	Xiechen(协辰) V8L/V6	5
			Nanjin xieli(南京协力)/SURPASS X600L	2
			YuZhiGuang(宇之光)/ESL-618/ESL-618L/ESL-619/ESL-619M	4
		Auto-segregation electrical test machines (自动电测机)	MaiXun(麦逊)/MU2000S/MU2000SR11-80K/MU2000SR11-96K/MU2000SR11-160K/MV300-B6-12K	5



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E-test (电测)	E-test (电测)	General electrical test machines(通用测试机)	Mason(明信)/MU3012RIII-240K	6
			KM(凯马)/KU1M5G	3
		Twist and warp inspection(板翘检查机)	YAYA(亚亚)/WPC-15A	1
		Short circuit tester (短路测试仪)	YG-102A	1
		Hi-Pot tester(高压测试仪)	TaiWanAoSiDa(台湾奥斯达)/TOS7030AC/DC220V50/60HZ	1
		Stamping Machine(喷印盖章机)	Tenmark(纵横)/TM-2010S	1
	Fixture tester (夹具)			
Others (其他)				
ENIG (沉金)	Pre-treatment (前处理)	Sand blasting machine(喷砂机)	TechWin(天华)/17MTP40HRA01R2	1
			ZhenDong(镇东)/MASB24L	1
		Scrubbing (磨板机)	Universe(宇宙)/14MGP40DKA02/MGP20NKEA05A1	2
	ENIG (沉金)	ENIG Line (沉金线)	Universe(宇宙)	1
			JingMing(竞铭)/ENA-FA04046	1
		Cleaning line (清洗线)	Universe(宇宙)/15MGB70DKA01	1
	Gold Finger(金手指)	Gold Finger Plating (金手指电镀生产线)	SuYuan(速远)/SY18030133	1
Others (其他)				
Iag (沉银)	Pre-treatment (前处理)	Sand blasting machine(喷砂机)	/	0
		Scrubbing (磨板机)	Universe(宇宙)/16MS15DRAA08	1
	Iag (沉银)	Iag line (沉银线)	Universe(宇宙)/16MS15DRAA08	1
	Others (其他)			
Isn (沉锡)	Pre-treatment (前处理)	UV machine (UV机)	QunXiang(群翔)/GDF-UV/4	1
		Sand blasting machine(喷砂机)	Universe(宇宙)/GLN20070356	1
		Scrubbing (磨板机)	/	0
	Isn (沉锡)	Isn line (沉锡线)	Universe(宇宙)/GLN20070356	1
	Others (其他) Post treatment			Universe(宇宙)/13FC15NEA04
OSP(抗氧化膜)	OSP(抗氧化膜)	OSP line(抗氧化膜线)	Universe(宇宙)/14EK10DTA02	1
	Others (其他)		/	0
HASI	Pre-treatment (前处理)	Oven (焗炉)	/	0
		Scrubbing/Chemical line (磨板机)	Universe(宇宙)/UH-SP20K	1



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(有铅喷锡)	HASL(有铅喷锡)	HASL line(有铅喷锡线)	ShangShuai(上帅)/HAL-2428-D	1	
	Post-treatment(后处)	Post-treatment(后处理)	Universe(宇宙)/SB11N02009 (R3)	1	
	Others (其他)		/		
LF HASL(无铅喷锡)	Pre-treatment(前处理)	Oven (焗炉)	/	0	
		Scrubbing/Chemical line (磨板机)	Universe(宇宙)/UH-SP20K	1	
	LF HASL(无铅喷锡)	LF HASL line (无铅喷锡线)	ShangShuai(上帅)/HAL-2424-LF	1	
	Post-treatment(后处)	Post-treatment(后处理)	Universe(宇宙)/UH-SB20K	1	
	Others (其他)		/		
Plated Gold(镀金)	Plated Gold(镀金)	Plated Gold (includud Flash Gold/Thicker Gold etc) (电镀金, 包括水金/厚金等)	JingMing(竞铭)/CHA-FA05109/CNA-FA02045	2	
	Others (其他) Gold finger (电金手指线)		JiaHui(佳辉)/JH-PJB107093	1	
	Others (其他)				
FQC (终检)	AVI (自动检板机)		Shirai Visper 710STG	2	
			Image(宜美智)/AD400Z17388195	2	
			BaiJing(白井) /VISPER730STWG 710ST /VISPER 710SLG	2	
	FQC (终检)	VRS (验证机)		Taiwan OST	2
		Hole verification (数孔机)		YAYA(亚亚)/HC-1200	1
		Four terminal tester(四线四端子测试机)		XieLi(协力)/SURPASS X600L	1
		Chemical clean line (化学清洗线)		Universe(宇宙) /UH-FC30T 14FC30DTA16	2
		Glue Dispenser(点胶机)		TWIN//D331A-1	1
	Others (其他)	IR machine (IR测试机)		Shenzhen Guerqi	1
		Oven(烤炉)		ChangYu (长裕) QunXiang(群翔)/GPF-73G	2
		Tape paster (贴胶带机)		YuXinDa(豫鑫达)/YXD-TJZ-PCB-AUTO PengXinZhiZao(鹏鑫智造)/PXZZ07A02	2
Package (包装)	Package (包装)	vacuum package machine(全自动真空包装机)	QUALIPAC(简良)/SP-70120DA/VP-8060DA/SP-5580DL	3	
		MBB package machine (铝箔袋包装机)	USA SCS/FA-98-5229	1	
			QUALIPAC(简良)/VP-8060DA	1	
	Counting machine(数板机)	ZhiHuiZheJiQiRen智慧者机器人/ZHZ-DSM01	1		
Others (其他)		全自动打包机 (全自动打包机)	AnDeLi(安德利)/DK-100	1	
		Ionic contamination tester(离子污染度测机)	ASIDA/NJ11A	1	



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Physics Lab (物理实验室)	Physics Lab (物理实验室)	Impedance tester (阻抗测试仪)	KSON/KTHC-415TBS	1
			Agilent(安捷伦)/E5071C-2K5	1
			Tektronix(泰克)/DSA8300	2
			Agilent(程熙)/E5071C-2K5	2
		Resin Gel time tester (凝胶测试仪)	AiSiDa(爱思达)ASIDA-NJ11A	1
		Temp/Humidity Chamber Programmable eletro- meter (高低温测试仪)	Haida(海达仪器)/HD-E702-100-7	1
			KSON KTHC-415TBS	1
		Wetting Balance Tester (湿润平衡测试仪)	OLYMPUS(奥林巴斯)/BX51M	2
		Tg machine (Tg 测试仪)	Ta Q20	1
			Waters(沃特斯)/TA/Q20	1
		Microscope (显微镜)	Mitec(迈特)/MTMZS0870-SD2	2
			YuanQing(元青)/BX51M	1
			Olympus(奥林巴斯)/BX51M/BX53M	1
			ZhengYe(正业)/100X	1
		Resin Flow Tester (树脂流动度测试仪)	ASIDA(爱思达)/NJ11A	1
		Dielectric constant tester (介电常数测试仪)	/	0
		Breakdown voltage tester (击穿电压测试仪)	ASIDA(爱思达)/TOS7030	1
		Resist tracking index tester (耐漏电起痕指数测试仪)	/	0
		Dielectric Withstanding Voltage Tester (绝缘介电强度测试仪)	Gopoint/GP-TS2000S/2KN	1
		E-Corrosion Tester (电腐蚀测试仪)	Stepwell(世纪天源)/J-RAS/HVVa1000/40	1
			Gopoint/GP-TS2000S/2KN	1
		Peel strength tester(剥离强度测试仪)	Gopoint(高品)/GP-TS200S/10KN	1
			ASIDA(爱思达)/3GO	1
		Bonding Strength (P.T.H.) tester (镀通孔附着力测试仪)	JieXianDa (捷先达) /LTW	1
			ASIDA(爱思达)/3GO	1
		Thermal stress Tester (Tin oven) 热应力测试 (锡炉)	Zhengye(正业)/ASIDA-KH23	1
			LiTuo (利拓) /LT-R89-P	1
		Thermal Shock Tester (Tin oven) 热冲击测试 (锡炉)	Zhengye(正业)/ASIDA-KH23	1
			Weiss TS130	1



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			JieXianDa (捷先达) /JH-6800L	1
		Pressure Cooking Test (压力锅测试)	Gopoint(高品)/GP-2004	1
		Porosity of Edge Gold Connector (金手指多孔性测试仪)	ZhuShiHuiShe(株式会社) /ECM-100	1
		Salt Misty Eroding tester (盐雾测试仪)	Weiss/TS130	1
			Haida(海达仪器)/HD-E808-90	1
		Moisture & Insulation Resistance tester (湿气及绝缘电阻测试仪)	Oxford(牛津)/CMI920	1
			Stepwell(世纪天源)/J-RAS/HVVa1000/40	1
		Air-to-air Temperature Cycling(AATC) tester (冷热冲击测试仪)	Haida(海达仪器)/HD-E703-100	1
		UV Spectrophotometer (紫外分光光度计)	DaoJin(岛津)/UV-1800 HACH/DR2800	2
		XRF Machine (金属厚度光谱测试仪)	FeiXiEr(菲希尔)/XDLM-PCB200	2
			Oxford CMI920/OXFORD/700series	1
		Atomic Absorption Spectrometry (原子吸收光谱测试仪)	ZhuShiHuiShe(株式会社) /ECM-100	1
			Analytikjena(德国耶拿)/ novAA350	1
		Lead-free reflow soldering machine(无铅回流焊机)	JinTuo(劲拓)/ES-800	1
		ROHS 6 items tester(ROHS测试仪)	Skayray(天瑞)/EDX1800B	1
		Resistant to Solder heat (耐锡高温测试仪)	RM3545	1
		Insulation Resistance Between Layers (表面/介层绝缘电阻仪)	Stepwell(世纪天源)/J-RAS/HVVa1000/40	1
			PWB-HC	1
	Others (其他)			
PPE (工程部)	CAM stations (CAM 工作站)	genesis	Orbotech(奥宝)/LP-9 RS	1
	Others (其他)			
Others (其他)				
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