



ZAPON展邦



浙江展邦电子科技有限公司

电话 : 86-577-56550522 86258007

传真 : 86-577-86258109

E-mail : CS01@zapon.com.cn

Http://www.zapon.com.cn

地址 : 温州市瓯海区郭溪街道下屿工业区富泉路75号

邮编 : 325017

ZHEJIANG ZAPON ELECTRONIC TECHNOLOGY CO.,LTD.

No.75, Fuquan Rd., Xiayu Industrial Zone, Guoxi Subdistrict,

Ouhai District, Wenzhou City

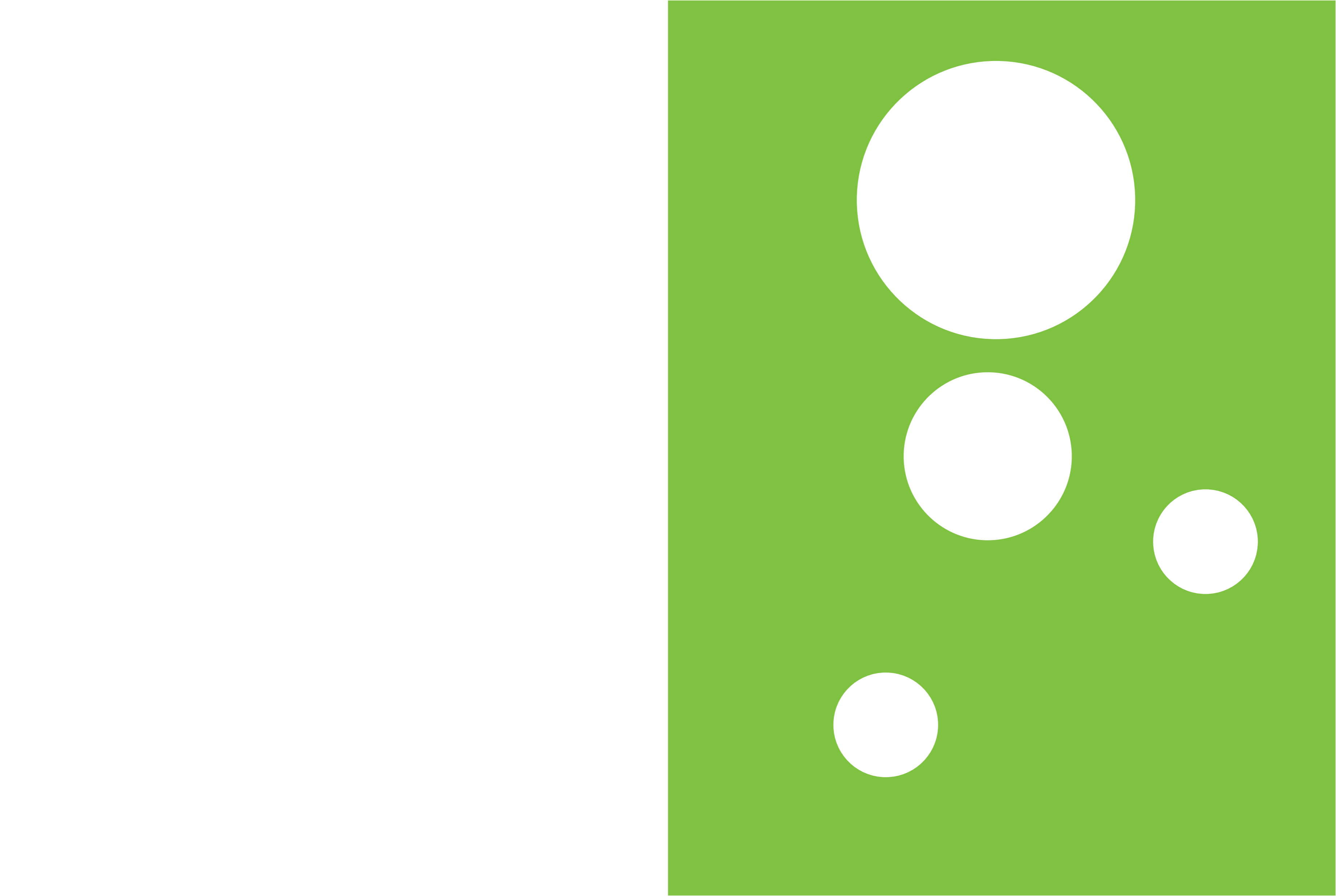
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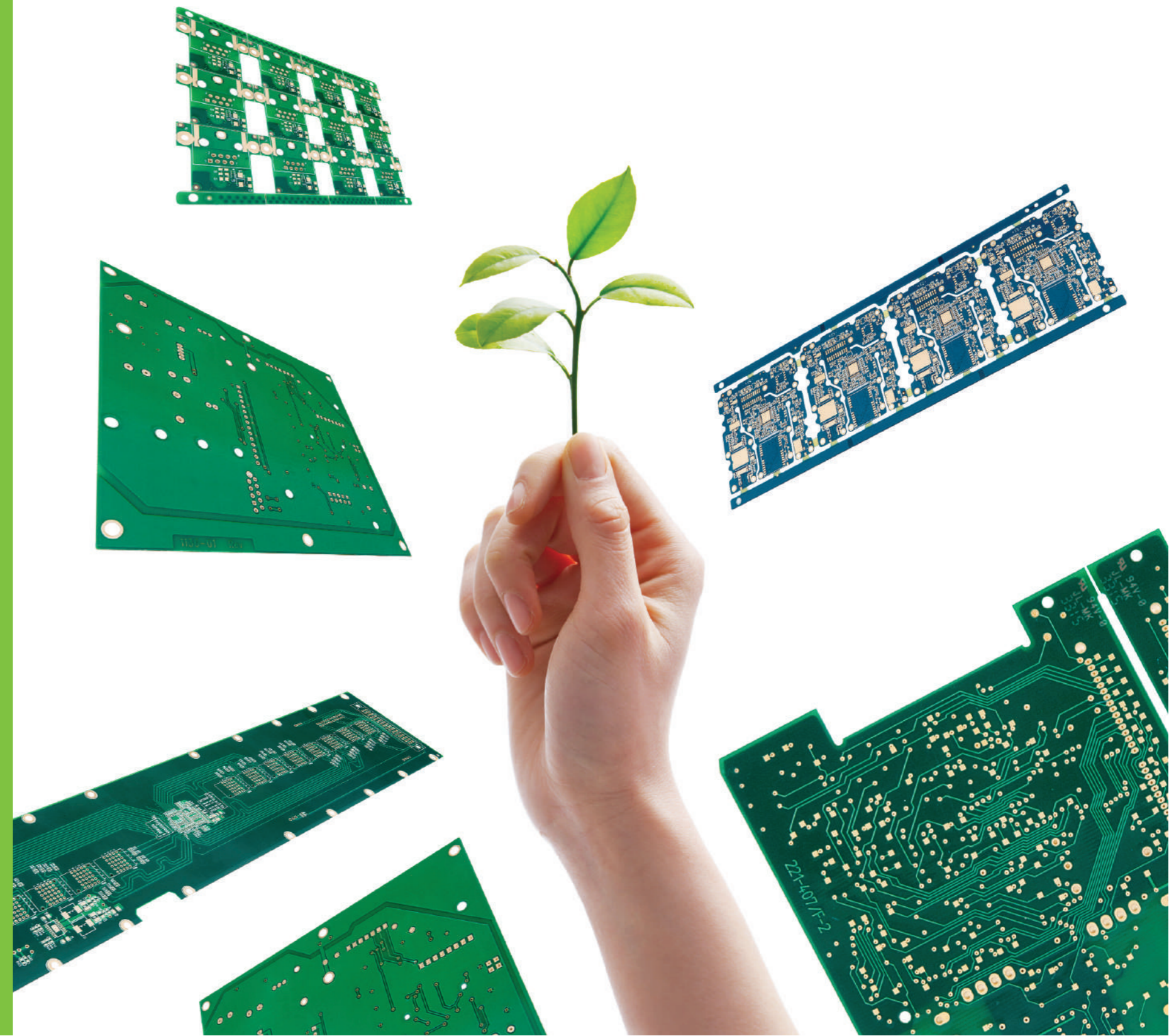
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Zapon
Electronics
Technology
展邦电子科技



绿色科技
GREEN TECHNOLOGY LEADS TO
GREEN LIFE-ZAPON
让生活更美好



INTRODUCTION

企业简介

浙江展邦电子科技有限公司是一家专业生产1-16层刚性高精度线路板（PCB）的“国家高新”科技企业，公司成立于2007年4月，注册资金2100万，固定资产15000多万元，园区占地20亩，标准厂房面积达到16600平方米，现有各种先进的PCB设计、生产、检测设备100多台，SMT封装贴片生产线6条，ICT，FCT测试设备多台，职工600多人，拥有一批实力雄厚的工程技术人员，形成年产量近72万平方米的生产力。主要以双面和多层板为主（包括普通双面、多层板，铝基单面板、铜基板、特氟龙（孔化）板、埋盲孔多层板等）可进行热风整平（有铅和无铅）、镀金、化金、有机防氧化保护膜等各类印制工艺加工，同时进行贴片，元器件封装加工，根据客户要求提供PCB或者终端PCBA产品。

公司自成立以来，各类产品获得了国内外客户的一致认可，产品远销欧美、东南亚、韩国、日本等国家，产品被广泛运用于电子计算机、通讯设备、家用电器、汽车配套产品、仪表、仪器、航空、航天设备等方面。

与此同时，公司与西安电子科技大学，哈尔滨工业大学、杭州电子科技大学合作，积极投身研发高端多层印制电路板，获得了卓越的成就。目前已研发出20层板，该项技术在浙江省内居领先水平。在公司各位同仁的共同努力下，公司顺利通过了ISO/TS16949，UL认证，产品获得省级新产品称号，并连续三年获得瓯海人民政府颁发的“明星企业”光荣称号，科技局颁发的“科技成果奖”“技术创新奖”等荣誉称号。

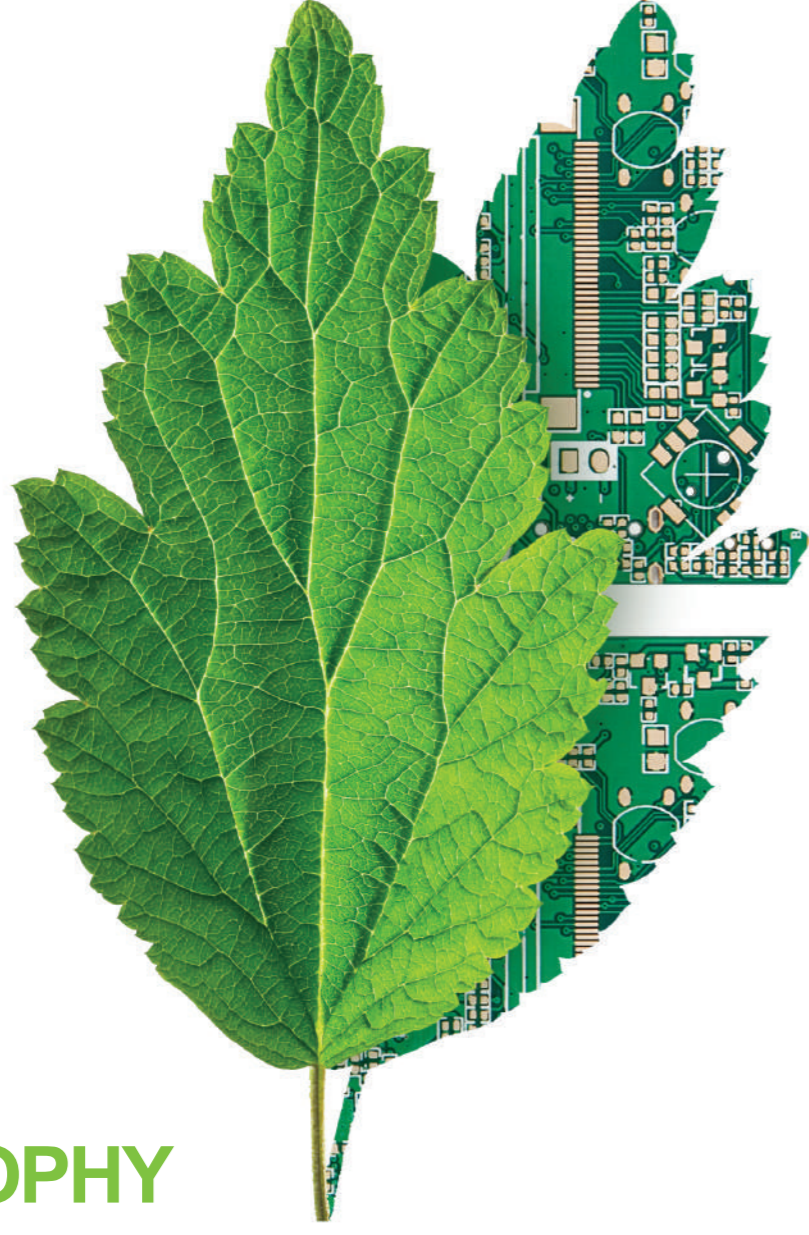
展邦企业立足眼前，展望未来，将以更加广阔的胸怀，屹立行业制高点，展邦的未来将会不断奋进。

As a high-tech enterprise, Zhejiang Zapon Electronic Technology Co., Ltd. is specialized in Precise Circuit Board (PCB) (1-16 layers). The company was founded in 2007, April, with 21m Registered Capital and 150 m-odd fixed assets. It covers an area of 20 Mu (about 13,333 square meters) and building area of 16,600 square meters. As for equipments, it boasts over 100 sophisticated apparatus to design, manufacture and detect PCB and 6 SMT packing chains as well as several detection apparatus such as ICT and FCT. All those equipments together with 600 employees, especially a number of engineering and technical personnel turn Zapon as a company with annual production capacity of 720,000 square meters. Zapon produces various PCB, primarily the double- and multi-layer PCB (such as ordinary double-sided, multi-layer boards, Aluminum base printed board, Copper base printed board, Teflon board and Buried&Blind multi-layer board). We also provide printing process services, ranging from HASL (leaded of lead-free), to Gold-plate, Immersion Gold and Anti-Oxidation Organic Film. If needed, we can help mount and pack the products and produce customized PCB or Terminal PCBA.

Since its foundation, Zapon has maintained a good reputation among our customers around the world. We export goods to Europe, America and Southeast Asia (such as South Korea and Japan). Widely, products are installed into Electronic Computers, Communication devices, Home Applications, Automotive Supplies, Instruments, Aerospace Equipments.

Our commitment has not gone unnoticed. We have got the Certificates of ISO/TS16949 and UL. Our high-quality products are reputed as the innovative products in province level. Thus, we have been honored as "Star Enterprise" by government of Ouhai District for consecutive three years, and rewarded "Achievement Award in Science and Technology field" and "Technology innovation Award" by Science and Technology Bureau. Zapon will stands on where we are and moves forward with an open mind. We will strive to be recognized as the leading company in PCB industry.





GREEN PHILOSOPHY

绿色理念

使命：绿色科技 让生活更美好

愿景：打造世界级电子电路技术与解决方案的制造商和服务商

价值观：创新、进取、远见、实干、感恩、共赢

核心理念：绿色科技 铸就未来

管理理念：绿色思维，管理创新，高效优质，实现共赢

经营宗旨：诚信为本，质量为先

服务宗旨：顾客的满意是我们最大的追求

Commitment: Green technology, better life

Vision: To be recognized as the leading manufacturer and service provider in Electronic Circuit Technologies market

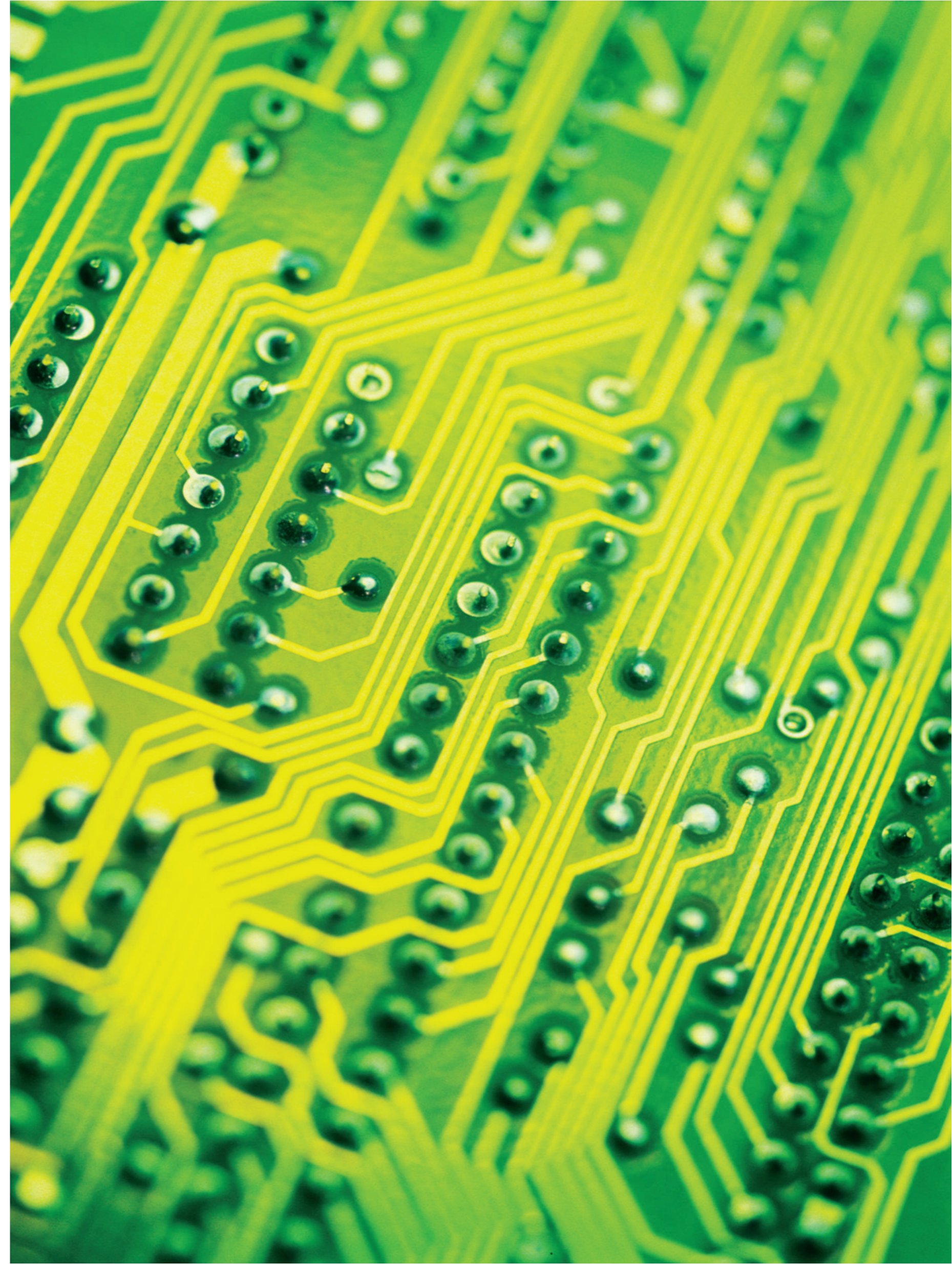
Values: Innovation, Progress, Foresight, Diligence, Gratitude, Win-win benefits

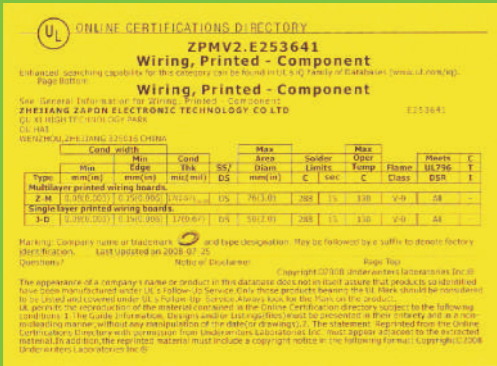
Core Value: Green technology, green life

Management approach: Guided by an environment-friendly commitment, we bring forth the new ideas of management to improve our efficiency for high-quality products and win-win benefits.

Business approach: Integrity-based, Quality-first

Service approach: strive to satisfy every customer



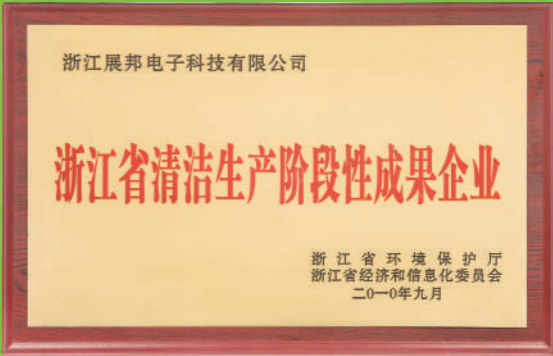
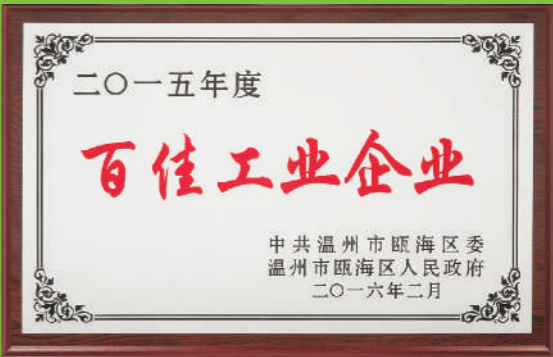


证书：UL证书、TS认证、CQC认证

荣誉：纳税模范、明星企业、技术创新、中国质量服务信誉AAA企业等

Certificates: UL certificate, TS certificate for automobile, certificate for China Quality Certification Centre

Honor: Model Tax Payer, Star Enterprise, Technology Innovation, China quality service credit AAA grade enterprise.



企业资质
ENTERPRISE
QUALIFICATION



GREEN MANAGEMENT

绿色管理

展邦企业的正向思维是企业绿色管理的核心，积极向上，乐观对待，展邦企业形成良好的工作氛围。

展邦企业的工作环境清新怡人，拥有人性化的企业文化，让员工在严谨、轻松、活力和谐的氛围中工作，尽情施展个人才华。

展邦企业把5S管理渗透到园区每个角落，巧妙运用“绿色”管理，打造合理、高效、紧密的生产流程。并且注重沟通与协作，不论是探讨工作上的疑惑还是分享生活上的喜悦，都成为团队的一种习惯。因此，展邦成为人才的向往地，成为优良产品的制造地，同时也成为技术创新的摇篮。



In Zapon, we put positive thinking as the core of Green Management. That means to create a favorable working environment and a human-oriented enterprising culture. By doing so, Zapon aims to motivate staffs and tap their talents for excellence. In Zapon, we also integrate 5S management principles into our working areas. We emphasize "Green management", under which we form a reasonable and effective production process. We emphasize communication and collaboration through which staffs are accustomed to discuss and to share. Under those principles, Zapon have become the home for talents and a hub for high-quality manufacturing as well as a cradle for technology innovations.

GREEN
MANUFACTURING

绿色制造

尖



科研队伍 - 尖技术
Research Team- innovation

精



生产设备 - 精制造
Manufacturing equipments- precision

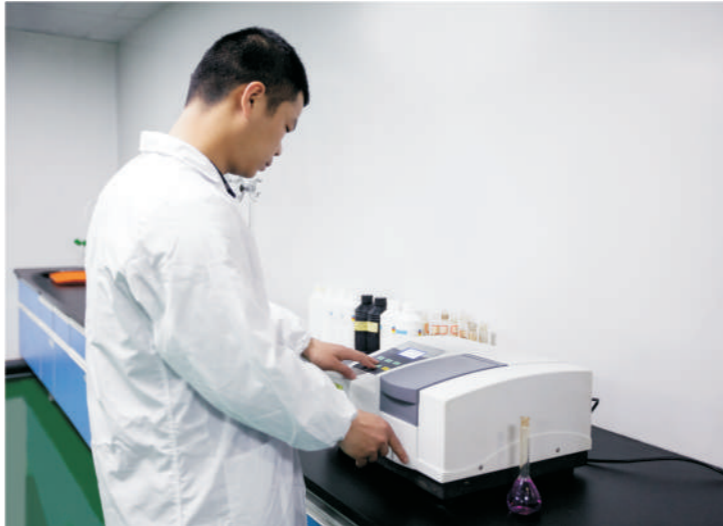
苛



检验设备 - 苛要求
Detection apparatus- Meticulosity

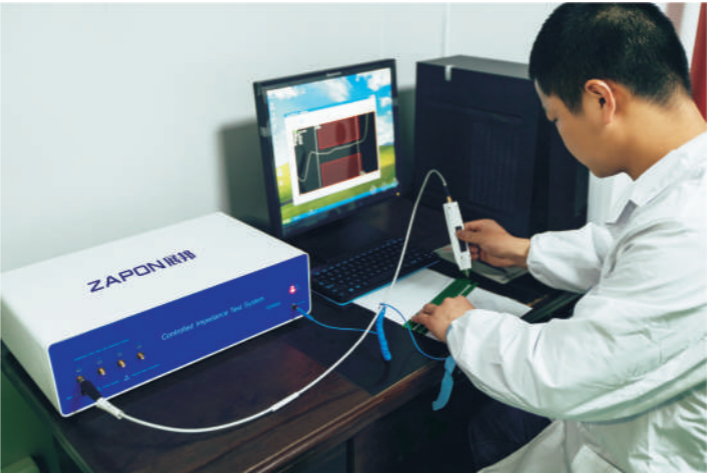
RESEARCH TEAM- INNOVATION

科研队伍



公司拥有一支观念创新、有理想抱负、充满活力的科研队伍，并且与西安电子科技大学，哈尔滨工业大学、杭州电子科技大学合作，积极投身研发高端多层印制电路板，获得了卓越的成就。自主研发能力是企业发展的推动力和核心竞争力，展邦拥有一批一流水准的机械设备，检验设备，以及高水平制作人员，秉持“绿色科技”的原则，凭借强劲的自主研发能力，通过校企合作，分享高等院校的研发能力，将绿色环保融入科研成果当中，已研发出24层板，该项技术在浙江省内居领先水平。

Zapon builds an innovative research team with ambitious and vigorous personnel. They work with scholars from Xidian University, Harbin Institute of Technology, and Hangzhou Dianzi University to make breakthrough in multi-layer PCB. Since Independence R&D capacity drives company's development and makes it more competitive, Zapon provides advanced equipment and detect apparatus for skilled workers to make innovations under the environment-friendly principle. Such efforts are doubled by collaborating with institute of higher learning. So far, we have successfully developed 24-layer PCB, which strengthens our status as leading company in Zhejiang Province.





MANUFACTURING EQUIPMENTS- PRECISION 生产设备

先进的生产设备是优良品质的基本保障。展邦从创业之初一直秉承着“科技立业”的经营方针，不断加大科技和设备投入，引进世界先进的制造设备和工艺技术，将国际PCB尖端制造技术凝聚在每一块产品中，让顾客充分感受到现代化带来的品质信心的质量保证。

设备展示：钻机、铣床、电镀自动线、曝光机、蚀刻机、光绘机，SMT贴片机等。

Sophisticated equipments enable the high-quality products. So, Zapon initially uphold the principle of "technology-oriented". To achieve the commitment, we continuously invest to introduce technology, advanced equipments and processing. Our purpose is to share high-quality PCB with customers.

Equipment Display : Drilling machine, Milling machine, Electroplating transfer machine, Exposure machine, Etching machine, Light painting machine, SMT machine, etc





生产设备



DETECTION APPARATUS

检验设备



展邦为了确保产品品质的稳定性，达到客户100%满意度，提高检测能力，引进完善的成套检测设施，铸就展邦产品的稳定性，将严谨的化学分析及物理检测程序贯穿生产中的整个流程。展邦使用大族明信全自动电性能测试机，光学菲林检验机、AOI、AA机元子吸收分光光度计（药水分析）、X-RAY测镍金厚度仪器，ICT,FCT,更好地保证了产品的质量。



To ensure the stability of quality and 100% satisfactory feedback, Zapon purchases a set of detection apparatus to improve detection ability. We apply chemical analysis and physical testing process to every processing. We also use DaZu MingXin automatic electrical E-test machine,Optical film inspection machine,AOI,the AA absorption spectrophotometer (syrup Analysis), and X-RAY Ni-Au thickness measurement instrument, ICT, FCT to test the products.

INSPECTION
PROCESS
检验流程

材料裁切
MATERIAL CUTTING

蚀刻检验
ETCHING TEST

钻孔检验
THE DRILL HOLE
INSPECTION

整板检验
THE BOARD TESTING

测试
E-TEST

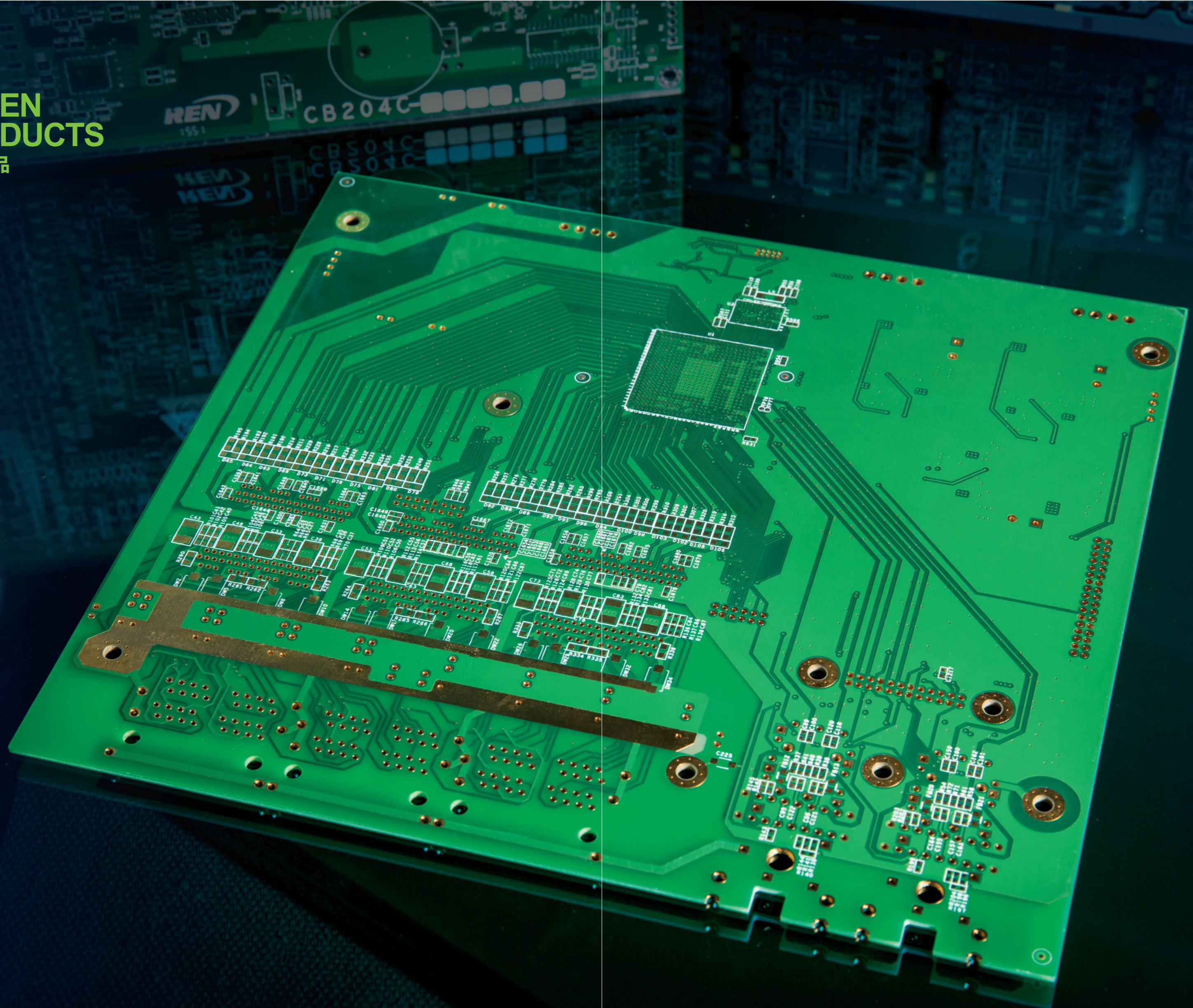
防焊检验
ANTI - WELD
INSPECTION

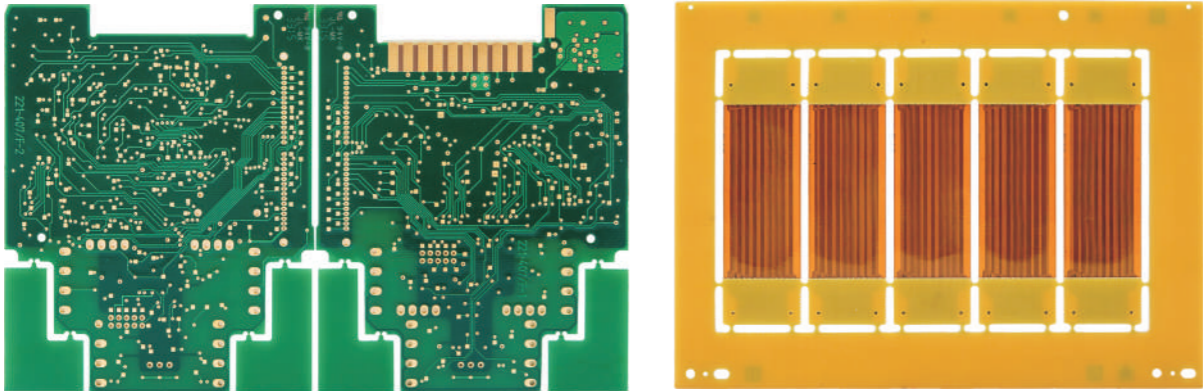
压合检验
PRESS
INSPECTION

线路检验
LINE INSPECTION

成品检验
FINAL INSPECTION

**GREEN
PRODUCTS**
绿色产品



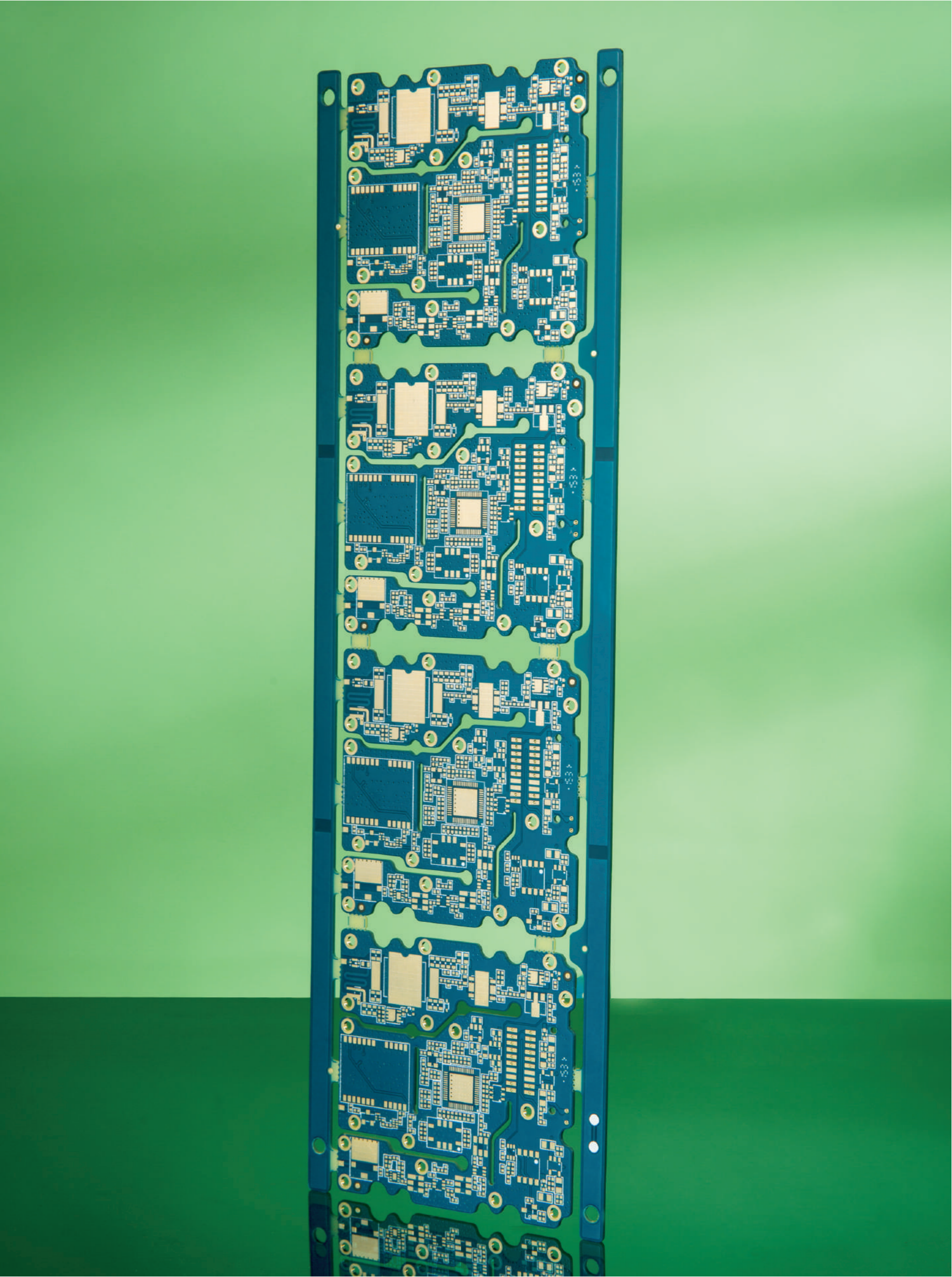
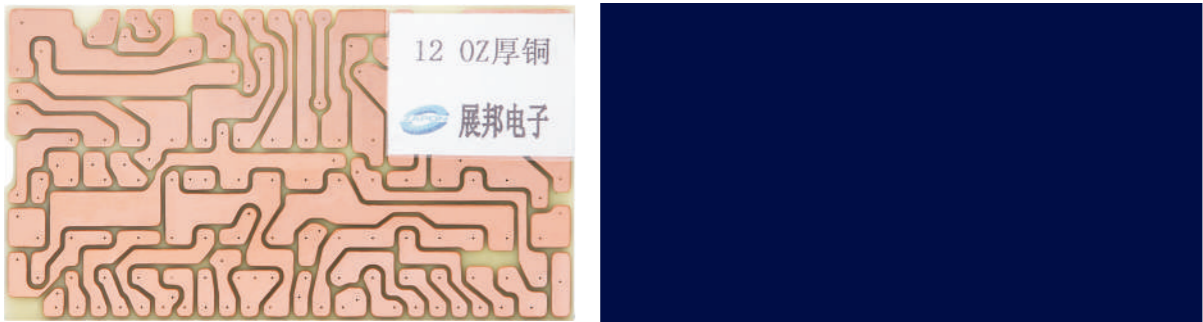
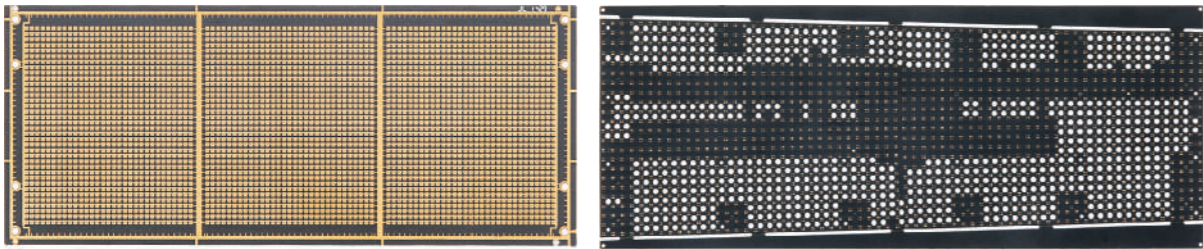


产品介绍说明：

单层电路板、双层电路板、多层电路板、铝基线路板，及以上产品的封装

The environment-friendly products

Single-sided board, Double-sided board, Multi-layer board, Aluminum-core board, Circuit board and OEM for above products..





PROSPECT AND MUTUAL BENEFITS

发展与共赢

绿色发展，通力合作，实现共赢

**An environment-friendly prospect and
Mutual benefits through collaboration**

与客户企业共赢优势：

创新型企业

只要客户提出创意我们就按客户的要求在控制领域可以帮您实现具体的功能和要求。

差异化企业

在实际和公司客户合作中提供给客户差异化的产品和服务，使得客户的产品在具体的细分市场取得不一样的市场竞争优势。

伙伴型企业

在实际和公司客户合作中与客户共进退，共成长，共同迎接挑战和竞争。

Mutual benefits with customers and enterprises

Innovative enterprise

We will provide customized services within our competence.

Unique enterprise

We will provide unique products and services so as to make customers more **competitive in their market.**

Partner enterprise

We will work with our customers, make progress, and meet challenge or competitions together.

展邦在实现员工与员工，部门与部门共赢的同时，与相关企业通力合作，做到利益共享，责任同担，优势互补，强强联合、扩大合作，使展邦品牌与客户公司的品牌能在全中国东西北各大城市打响，有效的开发利用互利双方企业资源，壮大企业实力，提高企业知名度，为企业跨越式发展开辟了良好的途径。

At Zapon, we commit to achieve mutual benefits among employees and departments. To expand the business, Zapon work with other leading companies to complement shortcomings. All companies share interests, resources and bear common responsibilities. Such collaboration brings all partners' products to every corner of China, enhances their reputations, providing a new way for leapfrog development for the company.



销售网络：

诚信为本，质量为先 是展邦人对每位顾客的承诺。

展邦以顾客中心，诚信求发展，品牌赢市场的基本战略，在国内众多大中城市设有分销网络，构建起庞大的销售网。

公司自成立以来，各类产品获得了国内外客户的一致认可，甚至与多家知名跨国公司保持长期的战略合作伙伴关系，产品远销欧美、东南亚、韩国、日本等国家，销售业绩突飞猛进。

PRODUCTION CAPACITY

产品交付能力

产品介绍说明

单层电路板、双层电路板、多层电路板、铝基线路板，及以上产品的封装

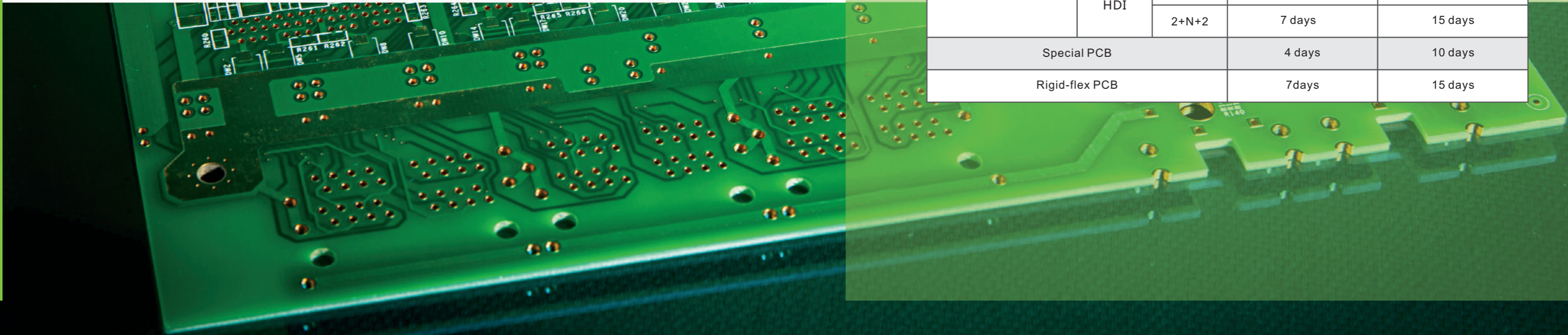
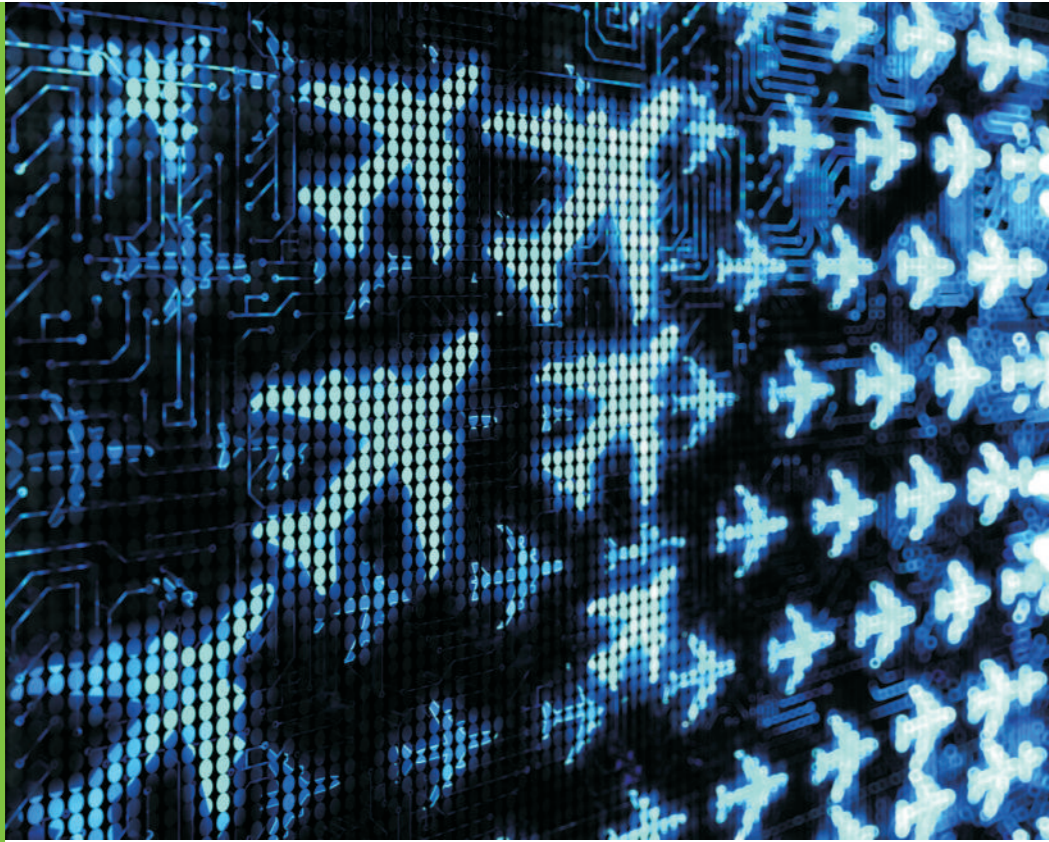
Products Introduction

Single-sided PCB, Double-sided PCB, Multi-layer PCB, Aluminum-core board, Circuit board and OEM for above products..

ZAPON

交付能力					
交付能力				Sample	批量
单/双面			2天		7天
多层	通孔	6层以下	3天		10天
		6—12层	4天		12天
	HDI	一阶	4天		12天
		二阶	7天		15天
特殊板			4天		10天
刚挠结合板			7天		15天

Annex 2 Time for delivery				
Time for delivery			Sample	Patch
Single-sided/double-sided			2days	7days
Multi-layer	Through-hole	Within 6 layers	3days	10days
		6—12layers	4days	12days
	HDI	1+N+1	4 days	12 days
		2+N+2	7 days	15 days
Special PCB			4 days	10 days
Rigid-flex PCB			7days	15 days



技术能力				
产品	能力	分类		
		样品	批量	
刚性板	层数(PCB)	24层	2~12层	
	最大板厚	17.5mm	394mil (10mm)	
	材料	FR-4 (普通 FR4 , 中Tg Fr4 , 高Tg FR4 , 无铅焊接板材) , 无卤板材 , 陶瓷填充材料 , PTFE ,	FR-4 (普通 FR4 , 中TG FR4 , 高TG FR4 , 无铅焊接板材) , 无卤板材 , 陶瓷填充材料 , PTFE ,	
		PI材料, BT材料, PPO, PPE , 混压, 局部混压等	PI材料, BT材料, PPO, PPE , 混压, 局部混压等	
	最小线宽/线距	内层3mil/3mil (HOZ) , 外层 4mil/4mil (HOZ+Plating)	内层3mil/3mil (HOZ) , 外层 4mil/4mil (HOZ+Plating)	
	最大铜厚	12OZ(Sample)	3.0(OZ) UL /	
	最小孔径	机械钻孔8 mil (0.20mm) / 激光钻孔3 mil (0.075mm)	机械钻孔8 mil (0.20mm) / 激光钻孔3 mil (0.075mm)	
	最大尺寸 (成品)	1230mm X 560mm	1230mm X 560mm	
	最大厚径比	18:01	12:01	
	表面处理	HASL、化学镍金、化学锡、化学银、OSP、电镀金手指、化学镍金+OSP、化学镍钯金	HASL、化学镍金、化学锡、化学银、OSP、电镀金手指、化学镍金+OSP、化学镍钯金	
	特殊加工	埋孔、盲孔、台阶槽、金属基、埋入式电阻、埋入式电容、混压、局部混压、局部高密度、背钻、阻抗控制等	埋孔、盲孔、台阶槽、金属基、埋入式电阻、埋入式电容、混压、局部混压、局部高密度、背钻、阻抗控制等	
刚挠板	材料	柔性板		M
		无卤		M
		刚性板 PIVT901/38N	P	
		高频高速LCP/DupontTk	P	
	结构	非对称结构		M
		半挠板		M
		POFV	Laser via	Through hole
		HDI		2+C+2
	层数	最大柔性层数	20L	12L
		最大刚柔性层数及板厚	24L/3.0mm	16L/2.4mm
	柔性铜厚	铜 厚		2oz
		对位	4mil	5mil
	线宽间距	内层	2/2mil	2.5/2.5mil
		外层	3/3mil	3/3mil
	孔径	最小机械钻孔	6mil	8mil
		最小激光钻孔	3mil	4mil

Annex1: Details for products				
Product	Details	Classification		
		sample	mass production	
Rigid plate	Layer(PCB)	24 layers	2-12 layers	
	Max.thickness	17.5mm	394mil (10mm)	
	Material	FR-4(orginary FR4,mid.Tg FR4, high Tg FR4,lead-free soldering plate), Halogen-free plates, ceramic-filled material,PTFE,	FR-4(orginary FR4,mid.Tg FR4, high Tg FR4,lead- free soldering plate),Halogen-free plates, ceramic-filled material,PTFE,	
		PI,BT,PPO,PPE, mix-compression,partly mix-compression	PI,BT,PPO,PPE, mix-compression, partly mix-compression	
	Min. line width& space	Inner-layer 3mil/3mil(HOZ), outer-layer 4mil/4mil (HOZ+Plating)	Inner-layer 3mil/3mil(HOZ), outer-layer 4mil/4mil (HOZ+Plating)	
	Max.Copper thickness	12OZ (Sample)	3.0 OZ (UL) /	
	Min hole diameter	Machine drilling 8 mil (0.20mm) / laser drilling 3 mil (0.075mm)	Machine drilling 8 mil (0.20mm) / laser drilling 3 mil (0.075mm)	
	Max. size(the final product)	1230mm X 560mm	1230mm X 560mm	
	The maximum thickness to diameter ratio	18:01	12:01	
	Surface processing	HASL,Ni-Au,Chemical Tin and silver \OSP\gold finger plating\ Chemical NI-Au+OSP\chemical NI-Pd-Au	HASL,Ni-Au,Chemical Tin and silver \OSP\gold finger plating\ Chemical NI-Au+OSP\chemical NI-Pd-Au	
	Special process	Buried hole,blind hole\steps trough\metallic matrix embedded resistors\embedded capacitor\ mix-compression\partly mix-compression\partly high density\back drilling\impedance control etc.	Buried hole,blind hole\steps trough\ metallic matrix embedded resistors\ embedded capacitor\mix-compression\ partly mix-compression\partly high density\back drilling\impedance control etc.	
Rigid plate	material	Flexible plate		M
		Halogen		M
		Rigid plate PIVT901/38N	P	
		High- frequency and high -speed LCP/Dupont Tk	P	
	Structure	Dissmmetrical structure		M
		Semi- flexible plate		M
		POFV	Laser via	Through hole
		HDI		2+C+2
	Layer	Mix. flexible layer	20L	12L
		mix. rigid layer and thickness	24L/3.0mm	16L/2.4mm
	Flexible copper thickness	Copper thickness		2oz
		Alignment	4mil	5mil
	Width and space between lines	Inner layer	2/2mil	2.5/2.5mil
		Outer layer	3/3mil	3/3mil
	Hole diameter	Min. mechanical drill	6mil	8mil
		Min. laser drill	3mil	4mil

展望未来
PROSPECT

稳健谋进/承上启下/乘势而为/不惧挑战
Making progress steadily/ strive for future based
on where we are/ identify the opportunities/ meet
the challenges

源于瓯越大地，泽予五湖神州。展邦电子科技有限公司将不断投入科技研发项目，
致力于使展邦的产品能够更加的多元化，丰富产品层次，成为国内乃至世界顶尖
得科技产品器件制造商与服务商，引导中国市场和国际市场。

Located in Wenzhou city, we benefit from natural resources. Zapon will continuously make technology innovations so as
to enrich the diversity of products for customers. As a result, Zapon will rank as the leading manufacturer and service
providers in hi-tech filed both at home and abroad.

