

Company Profile



**ZHEJIANG A-CRYSTAL ELECTRONIC
TECHNOLOGY CO.,LTD.**



浙江一晶科技 A-CRYSTAL



石英晶振/ 时钟模块/IC IGBT 桥堆 MOS管
Quartz crystal/Clock
module/IC/IGBT/Bridge/MOSFET



目录(CONTENTS)



01

公司概况

Company Profile

我们优先注重产品质量和客户服务

We give priority to product quality and customer service

一晶简介(A-Crystal brief introduction)



浙江一晶科技股份有限公司，创立于 2008 年，是一家集频率控制元器件和集成电路功率器件的研发、制造和销售於一体，为客户提供器件解决方案的国家高新技术企业。

公司拥有百级、千级、万级净化车间达6000平方，以全系列完整产品线：石英晶体谐振器、石英晶体振荡器、滤波器、温度补偿型及电压控制型产品、钟振芯片、驱动IC和IGBT模块及相关系统方案产品来满足客户多样化的需求，以健全的供应链体系，为客户提供全方面的服务。

产品以信号源产生、传递、滤波、计时、守时、授时及驱动等功能主要应用5G通信、车载系统、TOL物联、医疗设备、智能式穿戴、工业控制及家居等电子产品。

公司以“同频、共振、匠心、创新”为价值观，以“从事频控和功率器件制造，为引领中国产业发展做出技术贡献”为使命，坚持“技术创新、顾客满意、循序渐进、永续发展”的经营理念，以成为“最受信赖的元器件百年企业”为愿景。

公司通过多年的发展，积极掌握电子产品微型化、快速光电宽频传输与高频通讯的市场趋势，深耕微机电（MEMS）技术领域，致力于开发小型化、高频化产品。公司在发展自身的同时，积极创造就业机会、参与社会及公益活动，利国利企，做一家有责任、有担当、有社会价值的企业。

一晶简介 (A-Crystal brief introduction)

ZHEJIANG A-CRYSTAL ELECTRONIC TECHNOLOGY CO.,LTD., was founded in 2003, is a national high-tech enterprise focusing on the research and development, production and sales of frequency control components and integrated circuits IC, providing customers with frequency control solutions.

Our company has 100-level, 1000-level, and 10,000-level purification workshops covering an area of 6,000 square meters, with a full range of complete product lines: quartz crystal resonators, quartz crystal oscillators, filters, temperature compensation and voltage control products, clock vibration chips, driver IC, IGBT modules and related system solution products to meet the diverse needs of customers, and provide customers with comprehensive services with a sound supply chain system.

With functions such as signal source generation, transmission, filtering, timing, punctuality, and driving, the products are mainly used in electronic products such as 5G communications, vehicle systems, TOL IoT, medical equipment, smart wearables, industrial control and home furnishings.

A-Crystal takes "co frequency, resonance, ingenuity, and innovation" as the value, "engaged in frequency control device manufacturing, leading the development of China' s frequency control industry to make technical contributions" as the mission, adhere to "technological innovation, customer satisfaction, step-by-step, and sustainable development" business philosophy, and common development with customers to create a better future.

Through years of development, the company has actively grasped the market trends of electronic product miniaturization, fast optoelectronic broadband transmission and high-frequency communication, MEMS technological filed, and is committed to developing miniaturized and high-frequency products. While developing itself, our company actively creates job opportunities, participates in social and public welfare activities, benefits the country and enterprises, and strives to be a responsible, responsible and socially valuable enterprise.

一晶厂区(A-Crystal Factory)

① : 工厂外貌 Factory appearance



台州市椒江区飞跃科创园32幢
32th Building, Feiyue Technology Innovation Park, Jiaojiang, Taizhou, Zhejiang, China

公司总资产：8000万元， 销售收入：15000万元， 工厂面积：15000平方米，员工总人数：120人，
管理人员 10 人，技术&工程：14人，质量人员：12人，一线员工：84人。

The company's total assets: 80 million yuan, sales revenue: 150 million yuan, factory area: 15,000 square meters, total number of employees: 120, Managers: 10, Technical & engineering staff: 14, Quality staff: 12, Front-line employee: 84

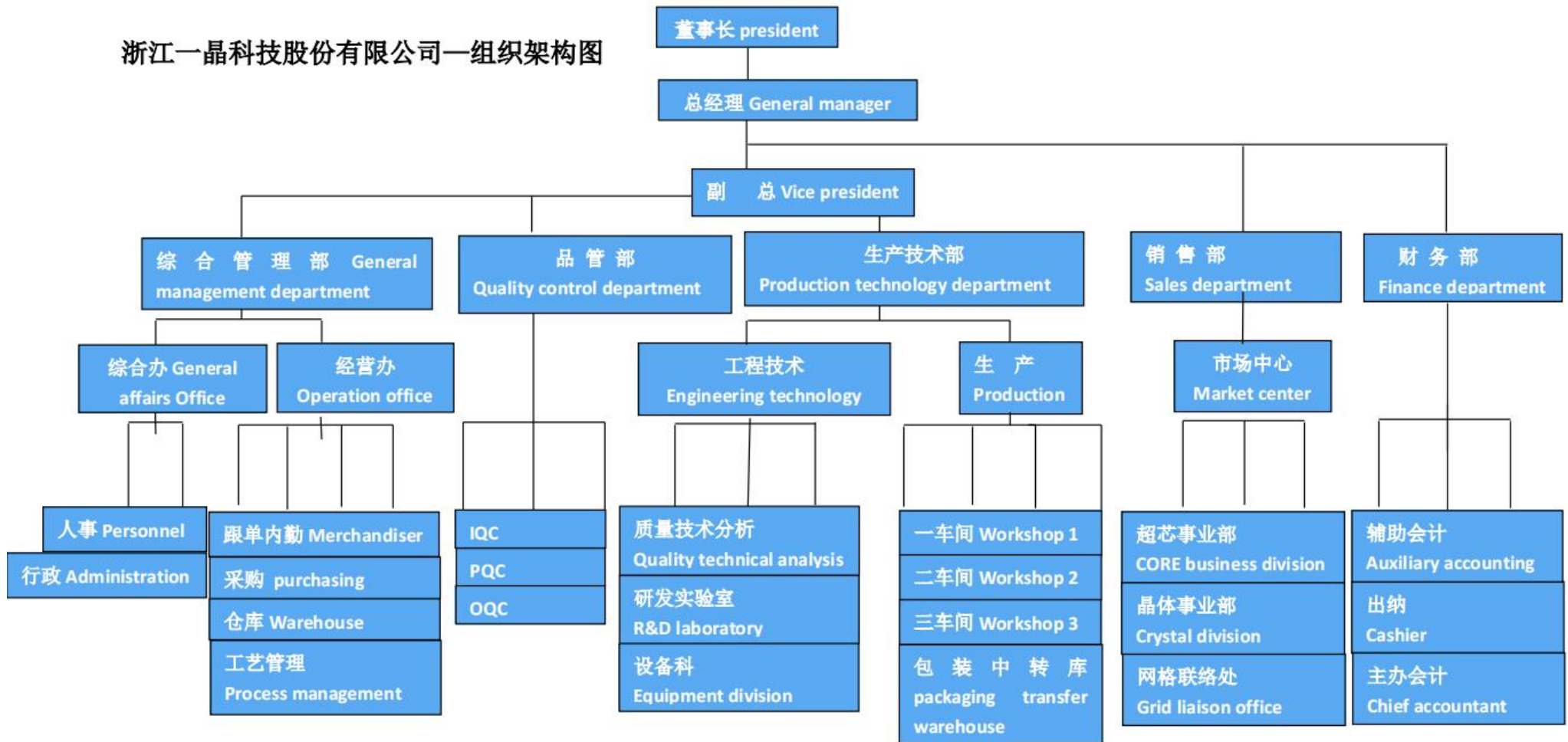
② : 车间剪影 Some photos of our workshop



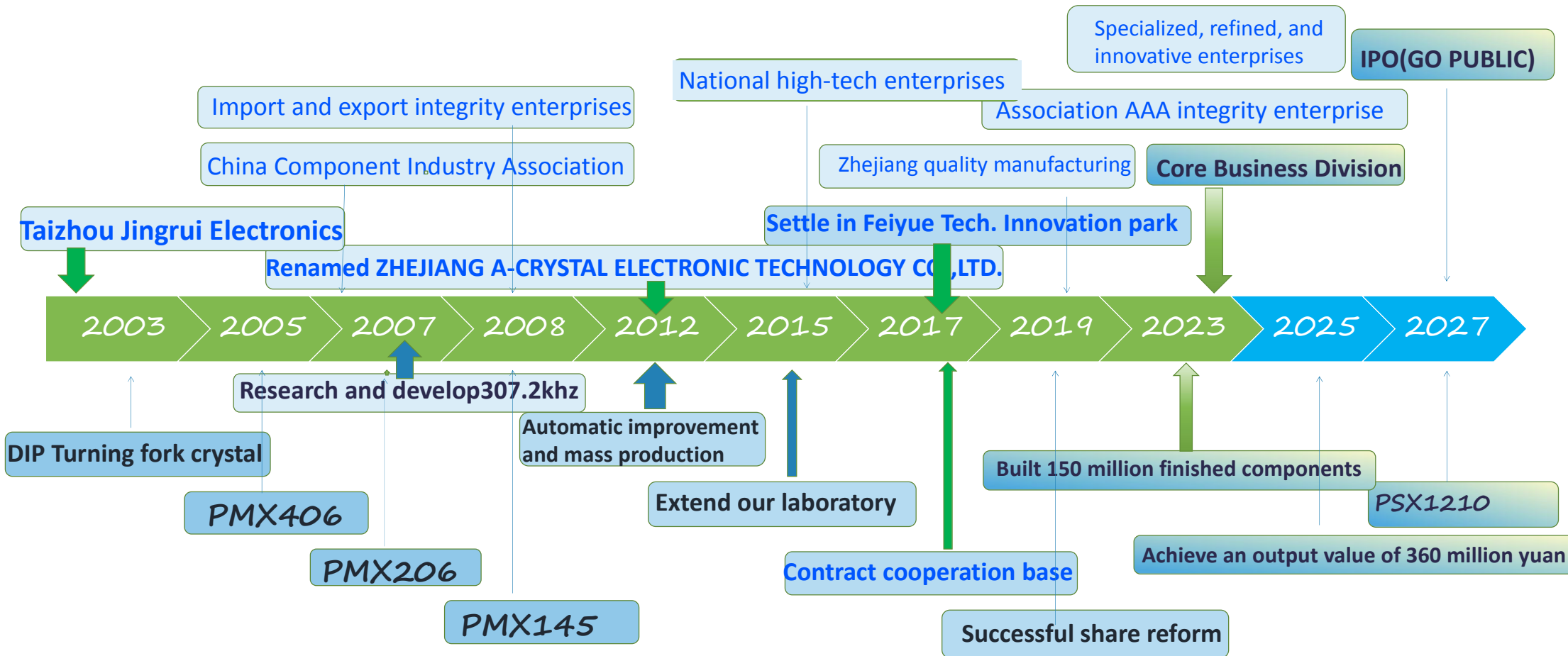
组织架构(Organization)



浙江一晶科技股份有限公司—组织架构图



发展历程(Development)



管理体系 (Management System)



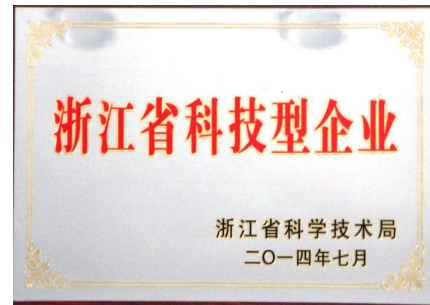
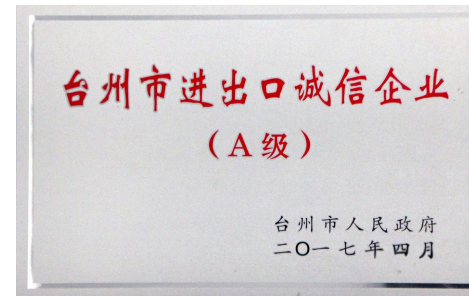
IECQ-
QC080000:2017

ISO9001 : 2015
ISO14001 : 2015
ISO45001: 2018

AEO认证企业
AEO certified enterprise
安全生产标准化企业
Safety production standardization enterprises

Safety production standardization enterprises

企业荣誉(A-Crystal Honor)



荣获中国电子行业协会“AAA”信用等级认证、国家高新技术企业、省级专精特新（中小企业）、浙江制造精品企业、浙江省科技型企业、浙江进出口行为规范企业等荣誉。

Won the "AAA" credit rating certification from China Electronics Industry Association, National High-tech Enterprise, Honors such as Provincial Specialized, Specialized and New (Small and Medium Enterprises), Zhejiang Manufacturing Quality Enterprise, Zhejiang Science and Technology Enterprise, Zhejiang Import and Export Code of Conduct Enterprise, etc.



02

产品与应用

Product and application

我们优先注重产品质量和客户服务

We give priority to product quality and customer service

产品及产量(Product and Output)



产品图片Product Picture	产品尺寸Product Size	产品型号Product model	频率范围Frequency Range	月产量Monthly Output
	1. 2*1. 0*0. 35mm	<i>NEW</i> PSX1210	32. 768Khz	30kk
	1. 6*1. 0**0. 5mm	<i>NEW</i> PSX1610		
	2. 0*1. 2*0. 6mm	PSX215		
	3. 2*1. 5*0. 9mm	PSX315		
	4. 1*1. 5*0. 9mm	PSX415		
	6. 9*1. 4*1. 3mm	PMX145	28k~100Khz (32. 768Khz)	10kk
	8. 0*3. 8*2. 5mm	PMX206		
	10. 4*4. 6*3. 6mm	PMX406/405		

产品及产量 (Product and Output)



产品图片 Product Picture	产品尺寸 Product Size	产品型号 Product model	频率范围 Frequency Range	月产量 Monthly Output
	6.0*2.054*1.27mm	PMX206F	32.768Khz	800K
	6.0.3*2.7*2.54mm	PMX206FA	32.768Khz	
	Φ3*8mm	DTLF308	28.000~100.000Khz	5kk
	Φ2*6mm	DTLF206	28.000~200.000Khz	
	7.5*3.15*2.3mm	NEW pmx307	32.768Khz	200K

产品及产量(Product and Output)



产品图片Product Picture	产品尺寸Product Size	型号简称 Product model	频率范围Frequency Range	月产量 Monthly Output
	<i>1. 6*1. 2*0. 4mm</i>	<i>P1SB</i>	<i>7. 3728~125. 000Mhz</i>	<i>2kk</i>
	<i>2. 5*2. 0*0. 5mm</i>	<i>P2SB</i>		
	<i>2. 0*1. 6*0. 59mm</i>	<i>P2SBA</i>		
	<i>3. 2*2. 5*0. 7mm</i>	<i>P3SB</i>		
	<i>5. 0*3. 2*0. 8mm</i>	<i>P5SB</i>		
	<i>6. 0*3. 5*0. 59mm</i>	<i>P6SB</i>		
	<i>7. 0*5. 0*0. 7mm</i>	<i>P7SB</i>		
	<i>3*8mm</i>	<i>ATLF308</i>	<i>3. 579545~70. 000Mhz</i>	<i>500k</i>
	<i>2*6mm</i>	<i>ATLF206</i>		
	<i>11. 0*4. 6*3. 3mm</i>	<i>HC-49S</i>	<i>1. 8432~ 200. 000Mhz</i>	<i>2kk</i>
	<i>7. 0*4. 0*2. 0mm</i>	<i>HC-49SMD</i>		
	<i>11. 5*5. 0*13. 46mm</i>	<i>HC-49U</i>		

产品及产量(Product and Output)



产品图片Product Picture	产品尺寸Product Size	型号简称 Product model	频率范围Frequency Range	月产量 Monthly Output
	1. 6*1. 2*0. 59mm	TC-VCX01612	9. 600~52. 000Mhz	300K
	2. 0*1. 6*0. 8mm	TC-VCX02016		
	2. 5*2. 0*0. 8mm	TC-VCX02520		
	3. 2*2. 5*0. 9mm	TC-VCX03225	(32. 768Khz)	
	5. 0*3. 2*1. 4mm	TC-VCX05032	10. 000~800. 000Mhz	
	7. 0*5. 0*1. 9mm	TC-VCX07050		
	14. 22*9. 19*4. 7mm	PV8F/PV8M		

精

产品及产量(Product and Output)



产品图片Product Picture	产品尺寸(mm) Product Size	型号简称Product model	频率范围Frequency Range	月产量 Monthly Output
	12.5*4.6*3.8	PMX308	3.579545~70.000MHZ	300k
	25.0*25.0*5.5	VCXOS GFVCO OCXOS CoLock OSC	32.768Khz~250Mhz 250Mhz~6G	100k
	20.8*20.8*5.3			
	9.7*7.5*4.1			
	14*9.0*6.5			
	25.4*22.1*11			
	25.4*25.4*12.8			
	20.6*20.6*12.8			
	36.3*27.4*15			
	13.3*4.7*3.9	HC-49SS (3PADs)	3.579545 ~75.000MHz	1kk
	13.3*4.7*3.9	HC-49SX/Y (4PADs)		
	11.5*5.0*3.5	HC-M49SJ(3Leads Bend)		
	Ø9.15*3.5	T039谐振/滤波	212.000~927.000Mhz	500k
	3.8*3.8*1.3	MS4R声表滤波	433.000Mhz	

产品及产量(Product and Output)



产品图片Product Picture	产品尺寸Product Size	型号简称Product model	FEATURES 特性	月产量Monthly Output
	10.1*7.4*3.2mm	RTC8025T	32.768khz \pm 5PPM 14DIP	300k
	18.23*7.5*2.64mm	NEW CD2136	Driver IC驱动IC/ 28DIP	1Kk
	9.30*3.30*16.0mm	NEW CM20N60	MOSFET/IGBT/ 电机驱动	1KK
	29.0*3.8*19.0mm	NEW CP2510	Bridge/ 电机驱动	1KK


产品及产量(Product and Output)



产品图片Product Picture	产品尺寸Product Size	产品型号Product model	频率范围Frequency Range	月产量Monthly Output
	3.2*2.5*0.9mm	PS0325	32.768K~125.000Mhz	500k
	5.0*3.2*1.3mm	PS05032		
	7.0*5.0*1.4mm	PS07050		
	9.5*5.0*5.5mm	ZTA	1.790~60.000Mhz	300k
	9.5*4.0*5.5mm	ZTT		
	2.5*2.0*1.2mm	ZTTCW	2.000~50.000Mhz	800k
	3.2*1.3*1.0mm	ZTTCE		
	7.4*3.4*1.8mm	ZTTCC		
	3.0*3.0*1.5mm	S6R	212.00~927.000Mhz	500k
	3.8*3.8*1.3mm	S4R		
	5.0*5.0*1.4mm	S3R		
	5.0*3.5*1.4mm	S20R		

产品认可(Product approval)




**中国电子元件行业协会
压电晶体元器件及材料分会**


回复函

浙江一品科技股份有限公司:

贵公司申请数据查询函已收悉, 根据我协会对 2021 年整体数据分析, 你公司石英音叉晶体谐振器产品国内供应总量在该细分领域排名第二, 市场占有率 20%, 浙江省内供应总量在该细分领域排名第一位, 市场占有率 40%。

特此证明

中国电子元件行业协会压电晶体元器件及材料分会
2022 年 6 月 7 日




To whom it may concern

08 June, 2022

Unité Mixte de Recherche 7178
CNRS-ULP

DEPARTEMENT
ÉCOLOGIE, PHYSIOLOGIE
ET ÉTHOLOGIE

Object: Purchase of crystal oscillator for scientific research

The Centre National de la Recherche Scientifique (IPHC-DEPE) officially purchase (INV. NO.: IPHCNRS22060501) these crystal oscillator products 27.010MHZ and 27.200MHZ from ZHEJIANG A-CRYSTAL ELECTRONIC TECHNOLOGY CO., LTD. for research and development in the development phase of miniature beacons for the monitoring of the European Hamster in its natural environment


 08 June 2022

Julien Courteuisse, Eng
 MIBE team (Metrology and
 Instrumentation for Biology
 and Environment)
 Tél.: (33) 88 10 69 52
 julien.courteuisse@iphc.cnrs.fr

Julien Courteuisse, Eng-Team leader
 Metrology and Instrumentation for Biology and Environment



23 rue Beaucourt
 F-67087 Strasbourg cedex 2
 Tél.: (33) 03 88 10 69 00
 Fax: (33) 03 88 10 69 06
 http://iphc.cnrs.fr

国网计量中心有限公司
检验报告

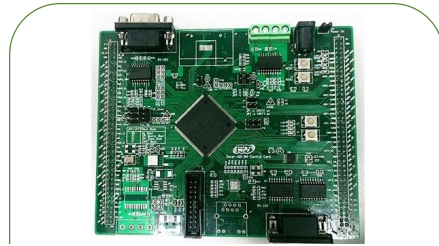
样品名称	晶体振荡器	样品型号	1K-49s (11.515.0*3.5mm) 3.57954520PF
委托单位	浙江一品电子科技有限公司	检验类别	委托试验
生产单位	浙江一品电子科技有限公司	封装形式	1HC-49s
地址	浙江省台州市椒江区飞跃科技园17幢1号	标称频率	3.579545MHz
取样方式	盲取	样品数量	40只
环境温度	20±5℃	相对湿度	30%~70%
检验日期	2018-08-10~2018-11-09	检验项目	17项
样品编号	SGCM013820180042-01-40		
检验依据	Q/GDW 11179.5-2014 电能表用无源器件技术规范 第5部分: 晶体振荡器		
检验结论	受检样品所有检验项目的技术指标符合检验依据的要求		
签发人:	张忠彩	签发日期:	2018年11月19日
备注			

音叉晶体国内细分领域排名第二, 占有率20%。
 石英谐振器通过法国科学院产品认证,
 通过国网计量中心认证
Our tuning fork crystal ranks second in the domestic segment, with a share of 20%.
Our quartz resonator has passed the product certification of the French Academy of Sciences.
Passed the certification of State Grid Measurement Center

产品应用(Product Application)



医疗设备medical equipment 工业控制industrial control



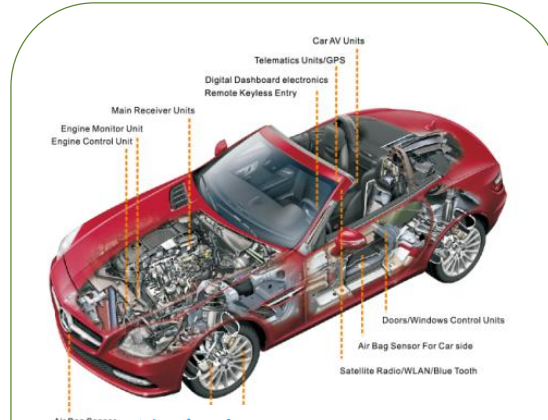
数码通讯digital communication



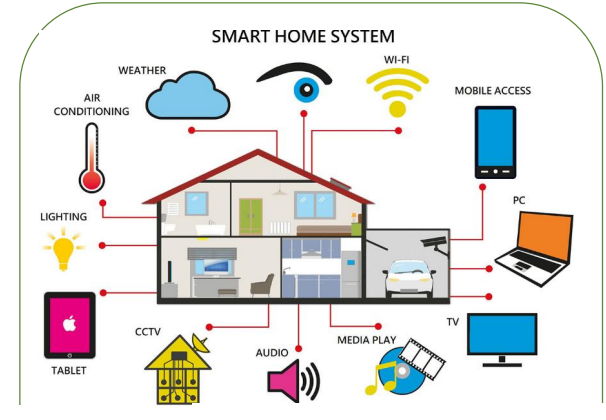
智能穿戴Smart wear



电脑周边Computer Periphe 5G应用5G Applications



汽车电子Automotive electronics
Frequency Control Products Applied In Automotive Industry



IOT .物联家居Iot home

03

研发创新

R&D Innovation

我们优先注重产品质量和客户服务
We give priority to product quality and customer
service

产线设备(Production Line Equipment)



六温区回流焊机
Reflow equipment



自动调频机
Automatic frequency modulator



自动插片机
Automatic inserter



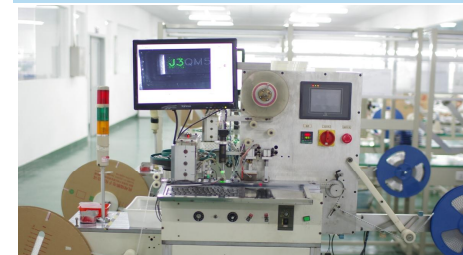
自动切脚机
Automatic cutting machine



自动测试机
Automatic test machine



自动打标机
Automatic marking machine



自动编带机
Automatic taping machine



油压机
Hydraulic press machine

产线设备(Production Line Equipment)



SMD 产品设备
SMD product equipment



自动调频机
Automatic frequency modulator



自动镀膜机
Automatic plating



SMD 自动点焊机
SMD automatic spot welding machine



SMD 自动测试机
SMD Automatic test machine



SMD 自动编带机
SMD Automatic taping machine



SMD 外观分选机
SMD appearance sorter



自动测试编带一体机
Automatic test belt knitting machine

产线设备(Production Line Equipment)



SMD 排片机
SMD arrangement machine



SMD 微调机
SMD final frequency adjustment machine



SMD 点胶机
SMD dispenser Machine



SMD 封焊机
SMD Sealing and welding machine



SMD 固化炉
SMD curing oven



SMD 镀膜机
SMD coating machine



清洗机
Washing machine



自动印字测试编带一体机
Automatic printing and testing taping all-in-one machine

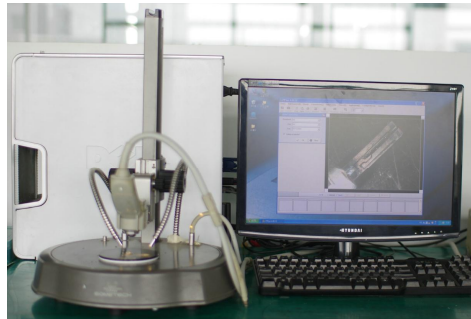
研发中心(R & D center)



公司拥有各类专业技术人员26名，占员工总数的21%，其中研发人员15人，占员工总数的13%

Our company has kinds of professional and technical staff total 26, accounting for 21% of the total number of employees, including research and development staff total 15, accounting for 13% of the total number of employees.

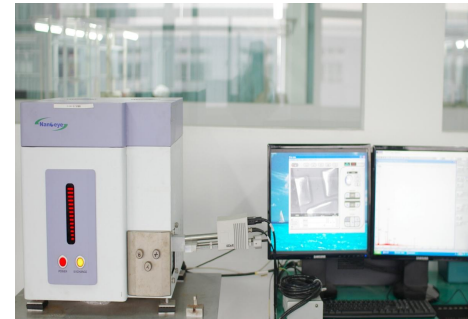
实验室设备(Laboratory Equipment)



高倍电子显微镜
High power electron microscope



能量色散光谱仪
Energy dispersion spectrometer



电子显微镜-能谱仪
Electron microscope-energy spectrometer



离子溅射金属镀膜机
MCM-100



250B测试系统
250B test system



投影仪
Projector



R2350温度特性
R2350 temperature characteristics



温度特性4310
temperature characteristics 4310

研发成果(R & D results)



公司先后获得35项实用新型专利和5项发明专利。参与1项团体标准

Our company has obtained 35 utility model patents and 5 invention patents. Participate in 1 group standard.

04

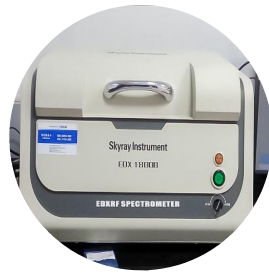
品质保证

Quality assurance

我们优先注重产品质量和客户服务

We give priority to product quality and customer service

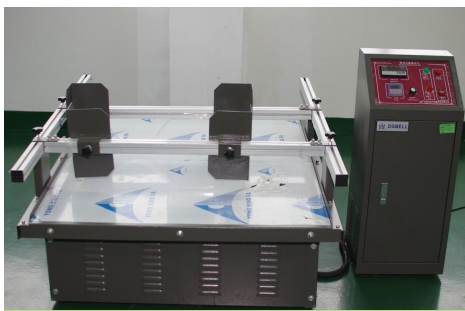
实验室(laboratory)



2014年，公司投建500余万元，建成国内同行先进的石英晶体元器件周期实验室，可按国际标准开展晶体元器件的性能试验、环境试验、力学试验和可靠性试验。

In 2014, our company invested more than 5 million yuan to build a domestic counterparts advanced quartz crystal component cycle laboratory which can carry out performance testing, environmental testing, mechanical testing, and reliability testing of crystal components according to international standards.

分析设备(Reliability Analysis Equipment)



汽车振动模拟运输仪
Automobile vibration simulation transporter



盐雾试验箱
Salt spray test chamber



三相电磁振动试验台
Three-phase electromagnetic vibration test bench



冷热冲击箱
Cold thermal shock experiment box



高度跌落台
High drop station



恒温恒湿箱
Humidity Chamber



检漏仪 Leak detector

分析设备(Reliability Analysis Equipment)



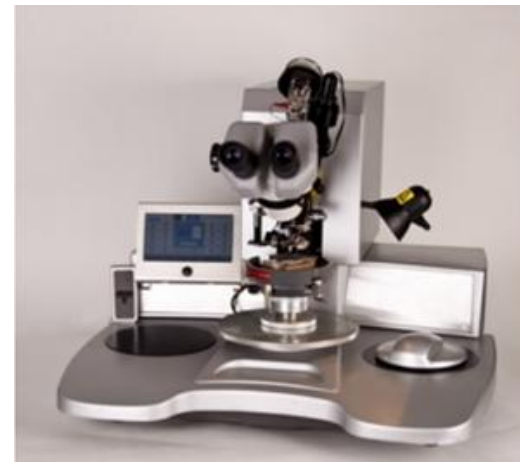
X-ray 分析仪
X - ray analyzer



晶体温特仪
Crystal temperature
characteristic instrument



氦质谱检测漏仪
Helium mass spectrometry leak
detector



焊线机 Ibond 500
Welding machine Ibond
500



时钟测试仪
Clock tester



晶体示波器
Crystal oscilloscope

实验项目 (experimental project)



性能试验 Performance test	环境试验 Environment test	力学与可靠性试验 Mechanics and reliability test
调整频差 (f) Frequency Stability	高温贮存 High temperature Storage	跌落试验 Drop test
谐振电阻 (R) Resonant Resistance	低温贮存 Low temperature Storage	振动试验 Vibration test
激励功率依赖性 (DLD) Drive Level	高低温冲击 High and Low temperature Impact	碰撞 (冲击) 试验 Impact test
静电容 (C0) Static capacity	稳态湿热 Steady-state in hot and Humid	可靠性 (老化) 试验 Reliability test
寄生响应 Spurious response	交替湿热 Alternating hot and Humid	温度特性试验 Temperature characteristic test
牵引度 (TS) Traction degree	盐雾试验 Salt mist test	可焊性试验 Solder ability test

05

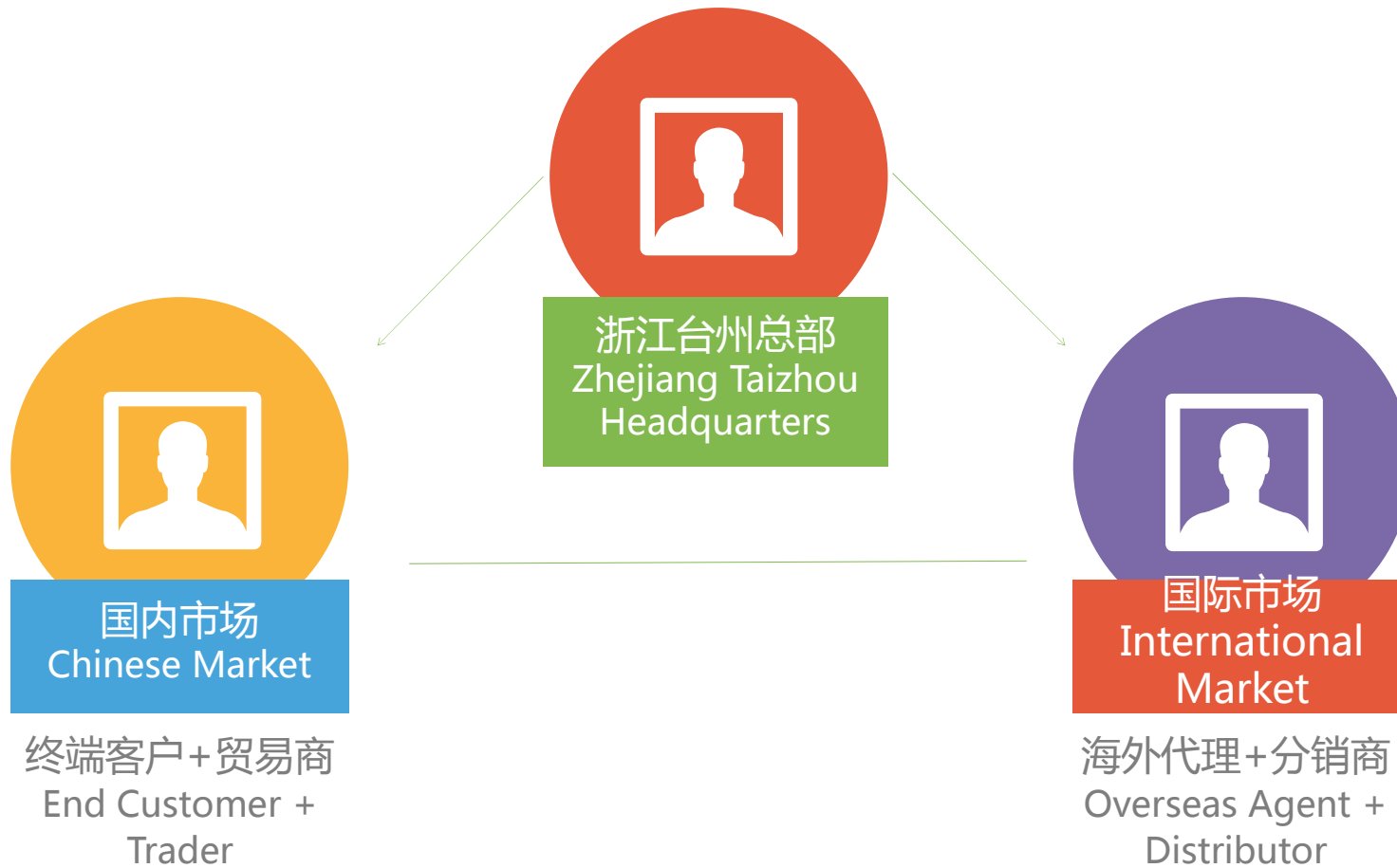
营销模式

Marketing Model

我们优先注重产品质量和客户服务

We give priority to product quality and customer service

销售架构(Sales Structure)



销售网络(Sales Structure)



营销网络，全球覆盖！
Marketing network,
global coverage !

目标客户(Sales Structure)



OEM、IC设计商、全球终端使用者
OEM, IC designer, global end user



部分客户(Some Customer)



Haier

ASUS

长晶科技
CHANGJING ELEC. TECH.

HIKVISION

RAITRON

FLYCO 飞科

JACK⁺
杰克

NARI

Midea

ABRACON
CORPORATION

G-Lin

MEGMEET

Sheen

FOTILE 方太

FOXElectronics®

06

领导关怀

Leadership Care

我们优先注重产品质量和客户服务

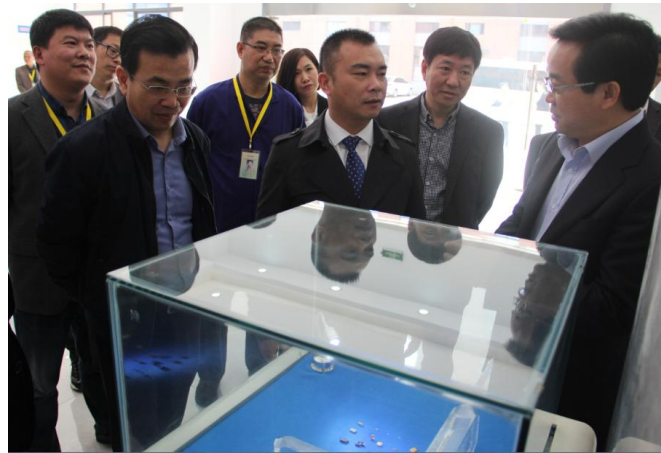
We give priority to product quality and customer service

领导关怀(Leadership Care)

(按莅临时间)



浙江省政府副省长高兴夫一行莅临浙江一晶参观指导
Vice Governor of Zhejiang Provincial Government, Mr. Lushang and his entourage visited A-Crystal



浙江省政府副省长卢山一行莅临浙江一晶参观指导
Vice Governor of Zhejiang Provincial Government, Mr. Xingfu and his entourage visited A-Crystal



时任浙江省台州市市长张晓强一行莅临浙江一晶参观指导
Zhang Xiaoqiang, Mayor of Taizhou City, Zhejiang Province, visited A-Crystal

领导关怀(Leadership Care)



浙江省台州市副市长陈挺晨一行莅
临浙江一晶参观指导
Chen Tingchen, Mayor of
Taizhou City, Zhejiang Province,
visited A-Crystal



时任台州市椒江区区长杨玲玲一行
莅临浙江一晶参观指导
Yang Lingling, the head of
Jiaojiang District, Taizhou,
visited A-Crystal



台州市椒江区人大主任王国平一行
莅临浙江一晶参观指导
Wang Guoping, director of the
People's Congress of Jiaojiang
District, Taizhou, accompanied
the party secretary of Tonghai
County visited A-Crystal

领导关怀(Leadership Care)



(按莅临时间)



浙江省台州市市委书记李跃旗一行
莅临浙江一晶参观指导
Li Yueqi , Mayor of Taizhou
Party Secretary, Zhejiang
Province, visited A-Crystal



时任浙江省台州市政协主席陈伟义
一行莅临浙江一晶参观指导
Chen Weiyi, Taizhou T CPPCC
Chairman, Zhejiang Province,
visited A-Crystal



时任浙江省台州市副市长蒋冰风一
行莅临浙江一晶参观指导
Jiang Bingfeng, Mayor of
Taizhou City, Zhejiang Province,
visited A-Crystal

07

联系我们

Contact us

我们优先注重产品质量和客户服务
We give priority to product quality and customer
service

联系方式(Contact Information)



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浙江一晶公众号
A-crystal Official Account

Scan code to pay attention to the
A-Crystal official account of wechat!

敬请纠正 谢谢

Thank you

A horizontal bar composed of several colored segments: green, blue, orange, yellow, and black.

Date: 2023-09-20