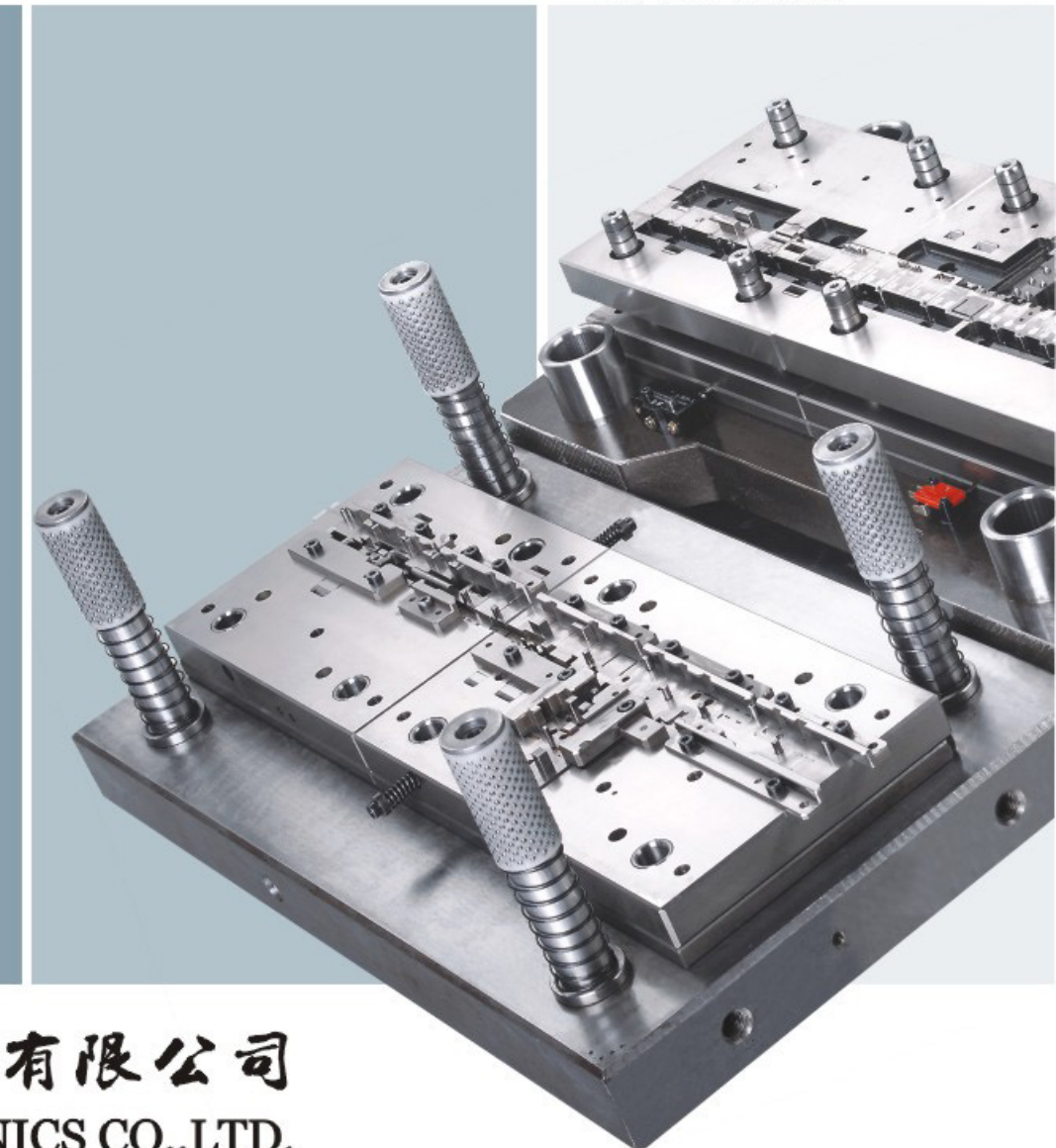
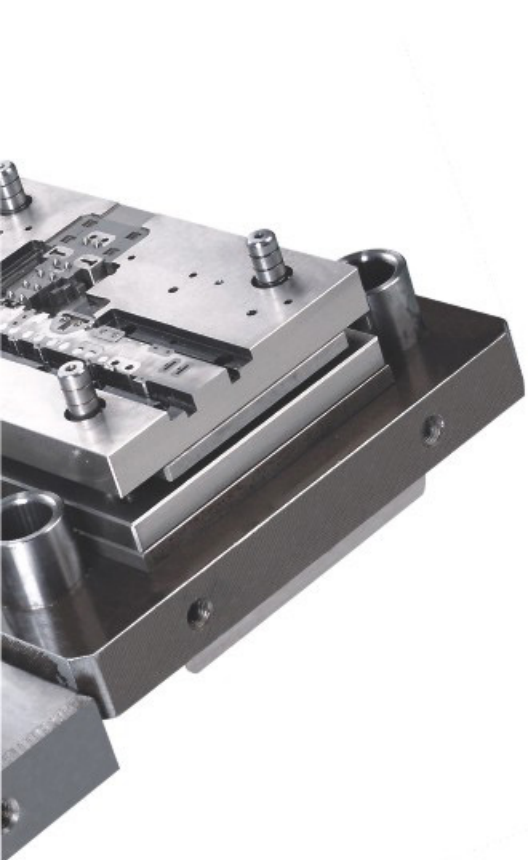




*Welcome*  
**OEM ODM**



**DEGSON ELECTRONICS CO.,LTD.**

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The catalog is only for reference, and the detail data  
must be based on our company's specification!  
样本仅供参考, 具体数据以本公司提供的规格书为准!

**宁波高正电子有限公司**  
**DEGSON ELECTRONICS CO.,LTD.**



**ISO9001 ISO14001**    **CE CEC SGS CB RoHS**

**OEM/ODM-09-01**  
**Edition(T37)**





New Factory 1 (under construction) / 新厂一(新建中)



New Factory 2 (to be constructed) / 新厂二 (筹建中)



## BRIEF INTRODUCTION

Founded in 1990, Degson Electronics CO., Ltd specializes in the production of all kinds of terminal blocks, heavy duty connectors, solar connector system and precise moulds. Through aggressive research and development and the introduction of new products, We have grown into a leading manufacturer of these fields in Asia. We have been granted ISO9001, ISO14001 Management System certification and our products have been approved by .

We have established a series of strong departments like research and development center, workshops for plastic mould, punching mould, die-casting mould, hardware cutting, components mould and orderly production lines, and so on... Which are equipped with advanced CIMS system. While developing the workmanship of precise injection, precise die-casting and precise cutting, we improve the quality of products and decrease the cost by adopting computerized work and expanding the automatic production equipment, which make our products much more competitive.

We also accept OEM/ODM orders and special designs to serve the customers better. Under the instruction of serving excellent electronics manufacturers of the globe, we keep a good business relationship with many world-famous companies.

With the spirit of precise in speciality, surefooted in business, superior in quality, all the staff of DEGSON will strive to meet the market demands and make "DEGSON" more famous all over the world!

## 公司简介

宁波高正电子有限公司创建于一九九零年，是接线端子、重载连接器、太阳能接线盒和精密模具的专业制造商。多年来，我们不断致力于产品的研发，使企业得到了快速的发展，在该领域居领先地位，成为亚洲主要的接线端子台供应商。公司通过了ISO9001、ISO14001管理体系认证，产品通过了 等认证。

在公司的发展过程中，我们先后建立了研发中心、塑料模具、冲压模具、压铸模具、五金切削、部件成型和装配成品等一系列部门，研发中心和模具中心均配备了国际先进水平的CIMS系统。在持续提升精密注塑、精密冲压、精密压铸和精密切削等工艺的同时，通过采用电脑化作业，扩充自动化生产设备，提高了产品质量，降低了成本，使产品更具竞争力。

近年来，为更好地服务于客户，我们也同样接受客户的委托生产（OEM/ODM）。并在服务于全球优秀电子厂商这一原则指导下，我们同许多世界知名企业一直保持着友好的合作关系。

为引导客户需求，使“DEGSON”品牌扬名世界，宁波高正电子有限公司全体员工将立足本职，本着“专精务实、卓越品质”的企业精神，创造更加辉煌的明天！





Cixi Xiaolin DengGao Electronics Factory was established in 1990  
1990年成立慈溪市道林镇登高电子厂

2000 Settled in current residence, renamed Degson Electronics Co.,Ltd. Degson products have got UL, VDE, CE, CQC and so on approvals and exported to more than 70 countries and regions.  
2000年迁入现址,更名为宁波高正电子有限公司,产品逐步取得UL, VDE, CE, CQC等认证,出口至70多个国家和地区;

The trade mark of **DEGSON** has been successfully registered in more than 90 countries and areas all over the word from 2001 to now days. Products made by **DEGSON** are very famous in china and well sold all over the world.

2001年9月至今, **DEGSON** 商标已在中国及世界90多个国家成功注册, **DEGSON** 产品中国知名,畅销世界.

Degson has been granted ISO9001:2000 management system certification in 2005.  
2005年取得ISO9001:2000体系认证

Degson has been granted ISO14001:2004 management system certification in 2006.  
2006年取得ISO14001:2004体系认证

The first VDE external test was well carried out by VDE engineer in 2007.

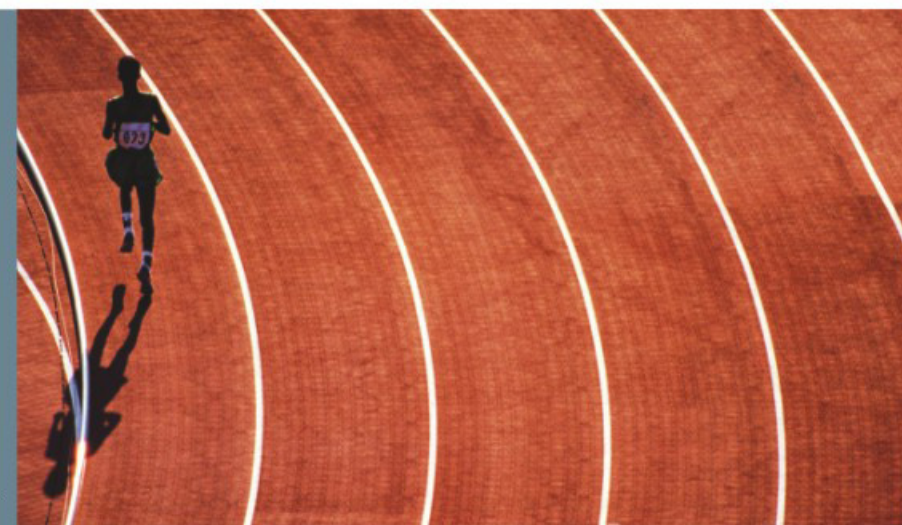
2007年成功完成了首次VDE目击测试;

Two times of VDE external test were carried out by VDE engineer in 2008.

2008年成功完成两次VDE目击测试;

DEGSON is making preparation of the laboratory for applying UL external test in 2009.

2009年正在筹备申请UL的目击测试实验室。



Capital assets : \$ 26,000,000(in 2009)

Turnover : \$ 40,000,000(in 2009 estimate)

Area : 10000m<sup>2</sup> now; 50000m<sup>2</sup> after expanding (New factory)

Staff : 1600(150 for managing, 500 For technical , 950 for operator)

固定资产: RMB1.8亿 ( 2009年度 )

营 业 额: RMB2.6亿 ( 2009年度预估 )

面 积: 现有10000m<sup>2</sup>, 扩建50000m<sup>2</sup> ( 新址 )

员 工 数: 1600人 ( 管理人员150人, 技术人员500人, 作业人员950人 )



	Brief introduction 公司简介	P1-4
	Research and development 技术研发	P5-6
	Mould production 模具制造	P7-10
	Quality control 品质管制	P11-14
	Integrated manufacturing 整合制造	P15-18
	Characteristics and application 产品特点及应用	P19-24
	Sales network 销售网络	P25-26





Sodick low-speed wire cutting machine  
沙迪克慢走丝线切割

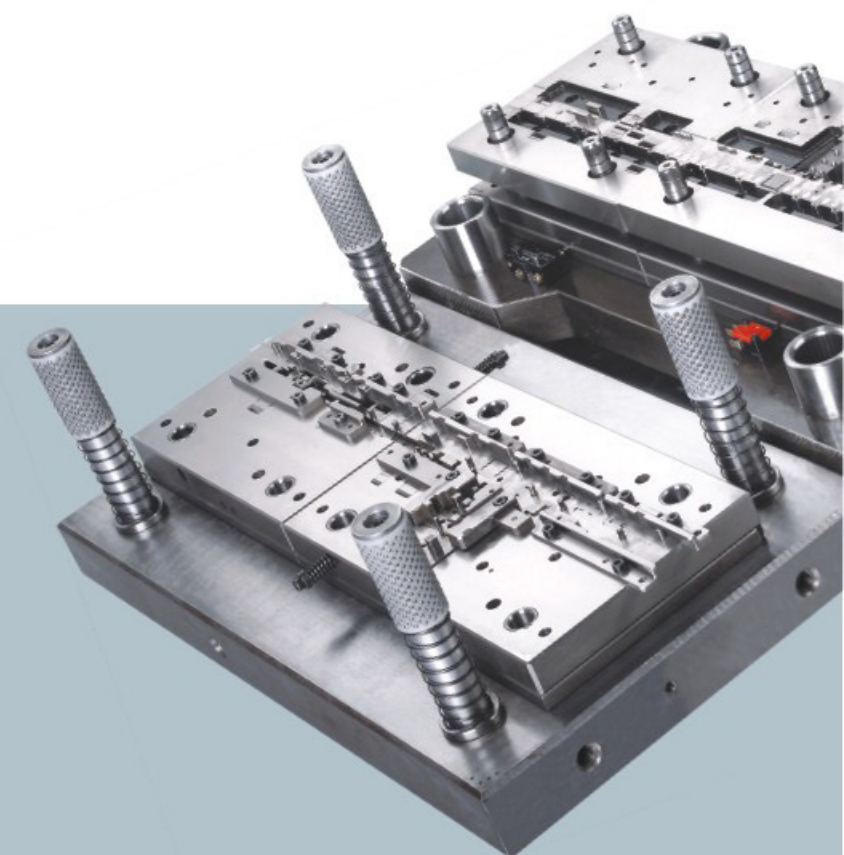
## MOULD PRODUCTION 模具制造

### MOULD PRODUCTION TECHNOLOGY AND ENGINEERING CAPABILITIES

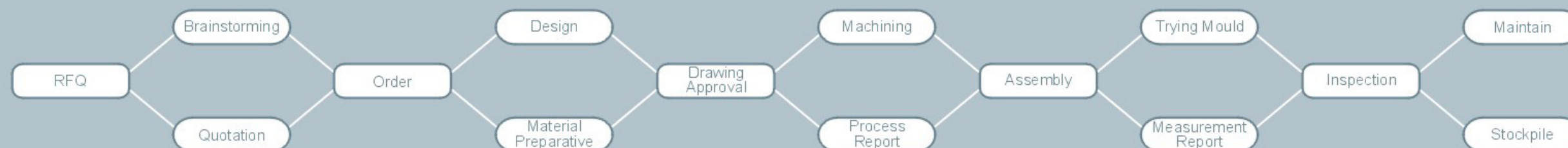
Our company invests in production plant and equipment such as Charmilles, SODICK low-speed wire cutting machine, Charmilles precision CNC electric pulse machine, etc and utilize CAD/CAE and application software such as AutoCAD, Moldflow to equip ourselves with the relevant and latest technology to meet our customers' requirements. We employed experienced engineers for tool design, tool assembly, tool testing and tool purchasing. We produce more than 600 sets of all kinds of precise tooling per year.

### 模具制造技术和工艺

公司斥巨资购进瑞士夏米尔和日本沙迪克慢走丝线切割，瑞士夏米尔精密数控电脉冲，高精度数控加工中心，CNC磨床及三次元精密测量仪等近百台世界顶级的模具加工设备，配备了AutoCAD、模流分析等CAD/CAM软件，满足客户相应的要求；模具设计、组立、调试及采购人员均具备丰富经验。每年产出各类精密模具600多套。



Mesne wire cutting machine  
中走丝线切割







## MOULD QUALITY CONTROL 模具品质管制

### MOULD QUALITY CONTROL

We have Precision Testing Equipment Device: More than 10 sets, like 3D measuring instrument, High-precision projector, High-precision height test machine have been used to make sure the quality of each mould. Fully strict inspection before assembly at each process will be done from material choosing, embryo material processing, template heating, machining to Die Group legislation and Die-trying.

### 模具品质管制

公司配备了：三次元测量仪，高精度投影仪，高精度高度规等十几台精密检测仪器，订立严格的品质标准，以精确严谨的品管态度，确保每副模具的质量，从材料选定，胚料加工，模板热处理，机械加工到模具组立，试模，每项作业流程都经过严格的管制，每个模具零件，在装配前都经过了严格的检验。



Fast film facility machines  
快走丝线切割



Laser spot welding  
激光点焊机



High Precision surface Grinding Machine  
高精度平面磨床



Electron discharge machining  
放电加工



NC precision engraving machine  
数控精密雕刻机



High precision projector  
高精度投影仪



Three-D measuring machine  
三次元测量仪



Height test machine  
高度测量仪

## MOULD PRODUCTION 模具制造

Sodick low-speed wire cutting machine(4)  
沙迪克慢走丝线切割4台

CNC electron discharge machine(15)  
CNC自动放电电机15台

High Precision milling Machine(4)  
高精度铣床4台

High Precision surface Grinding Machine(4)  
高精度平面磨床4台

Surface grinding machine(14)  
平面磨床14台

Fast film facility machines(30)  
快走丝线切割30台

Mesne wire cutting machine(2)  
中走丝线切割2台

NC precision engraving machine(2)  
数控精密雕刻机2台

Laser spot welding(1)  
激光点焊机1台

Three-D measuring machine(1)  
三次元测量仪1台

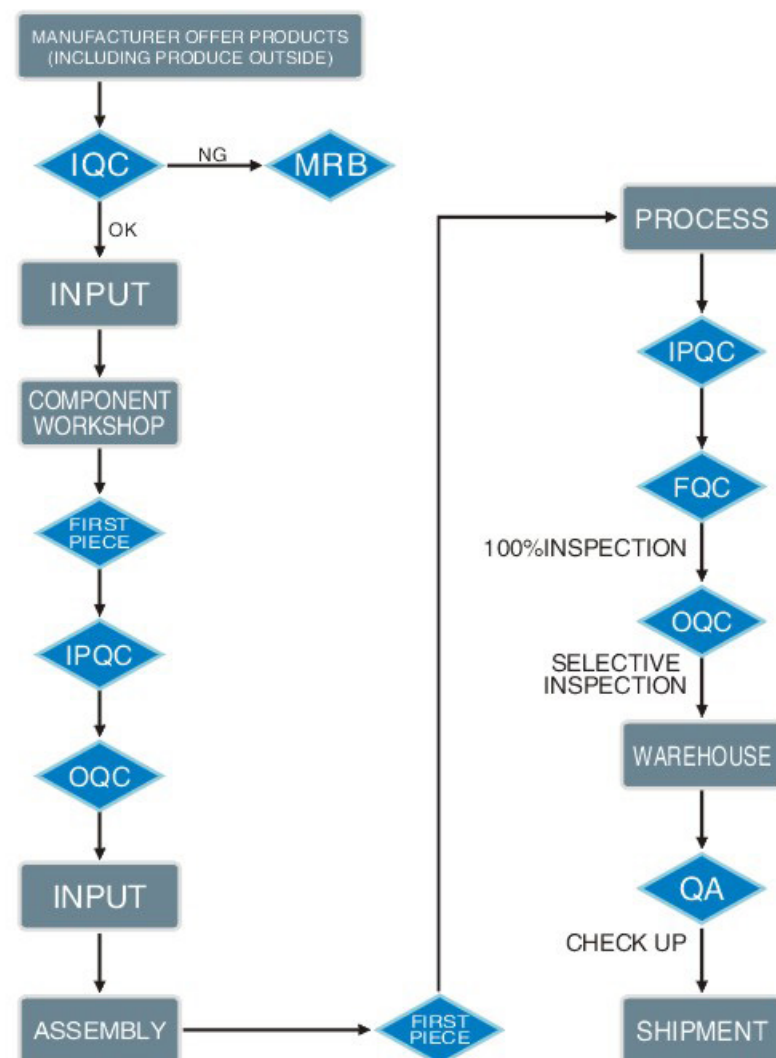
High precision projector(6)  
三丰高精度投影仪6台

Height test machine(3)  
高度测量仪3台





## 品质控制流程 QUALITY CONTROL FLOW



## 品质控制流程

公司置产品质量，服务于重要位置，运作过程中贯彻严格的品质保证体系，在进料和生产过程中，我们贯彻全面质量控制：从原材料的采购到制造，产品出货及售后服务，每个流程和工站，均有严格的成品检验与管制；公司深信，持续的教育培训将带给员工更大的发展，并与技术领域的最新进展保持一致，最终带给客户品质始终如一的产品。

## QUALITY CONTROL FLOW

We place strong emphasis on quality of our products and service. With a stringent quality assurance system in each operation process, we also implement comprehensive controls in the quality of incoming material, manufacturing processes, shipment, and after service, with strict inspection and control finished product. We believe in continuing education and invest in training programs for our employees, mainly our management and engineering staff, in order to maintain a productive workforce and keep pace with new changes in technology.

## VDE授权实验室

2010年7月VDE工程师到我司进行产品的目击测试，35个产品全部通过测试取得证书。同时，VDE正式向DEGSON试验室颁发了“VDE授权实验室”的证书(图1)。

## VDE Authorized Lab

The engineer of VDE did the witnessed test at our company in July 2010. All the 35 products passed the test and achieved the certification. Meanwhile VDE formally authorized the certification of "Authorization of VDE" to DEGSON Lab. (Image 1)



图1



图2



图3

## 品质认证

公司和UL、VDE等国际认证机构保持密切的合作，公司经营层定期到UL和VDE进行拜访，及时了解产品的最新技术标准（图2、3）。

## QUALITY CERTIFICATIONS

DEGSON keeps close cooperation with international certificates organizations such as UL, VDE etc. The managing department holds regular visits to UL and VDE and learn about latest technology standards in time.



质量管理体系认证  
Quality Management System Certification.



环境管理体系认证  
Environment Management System Certification



获得了2张防爆证书，20个型号产品通过  
2 EX NEPSI certificates for 20 item number.



获得了15张CQC证书，100个型号产品通过  
15 certificates for 100 item No.



获得了100张VDE证书，300个型号产品通过  
100 certificates for 300 item No.



档案号码：E228872，650个型号产品通过UL  
File No: E228872 650 item No.



获得了10张CE证书，100个型号产品通过  
10 certificates for 100 item No.



VDE会员证书  
VDE member certification



VDE授权证书  
VDE recognized laboratory certificate





Energy dispersive X-ray spectrometer  
EDX-720能量散射型X射线荧光光谱仪

- ※RoHS test  
RoHS测试
- ※Metal component analysis  
金属成份分析
- ※Film thickness analysis  
膜厚分析

## QUALITY CONTROL 品质管制



Image test apparatus  
数字影像测量仪

- ※2D graphics Measurement  
二维图形量测
- ※2D image reticle measurement  
二维影像十字线量测
- ※2D image automatic distinguish measurement  
二维影像自动判别量测
- ※Executable Graphics and statistical analysis of treatment  
可执行图形处理及统计分析

## QUALITY CONTROL

Our company insists on quality as the center of management, meanwhile pays attention to environmental protection. We have been approved by ISO9001 and ISO14001, and our laboratory is equipped with many advanced detecting equipments and apparatuses to comprehensively detect terminal blocks according to UL1059, UL486E, IEC60998, IEC61984, IEC60947, GB13140, GB14048. We have got more than 600 certifications such as UL, VDE, CQC, CB, SGS, RoHS and so on..

## 品质管制

公司坚持以品质为中心的经营理念,同时也十分重视环境保护;公司通过了ISO9001质量管理体系和ISO14001环境管理体系认证;我们的实验室拥有大批先进检测仪器和设备,能按UL1059、UL486E、IEC60998、IEC61984、IEC60947、GB13140、GB14048标准对接线端子进行全面测试。获得UL、VDE、CQC、CB、SGS、RoHS等600多张证书。



## Environment test 环境测试

- ※Salt water spray test  
盐雾腐蚀测试
- ※SO<sub>2</sub> protection against corrosion  
二氧化硫腐蚀测试
- ※Moist ammonia-air stress cracking test  
氨水腐蚀测试



## Material test 材料测试

- ※Oxygen index test  
氧指数测试
- ※Glow-wire test  
灼热丝测试
- ※Tracking test  
漏电起痕测试

## Mechanical sequence 机械性能测试

- ※Secureness test  
旋转拉力测试
- ※Inserting/pulling test  
插拔力测试
- ※Tumbling barrel test  
滚桶跌落测试



## Dielectric test 电介质测试

- ※Heat cycling voltage drop test  
热循环压降测试系统
- ※Temperature rise test  
温升测试
- ※Voltage-withstand test  
耐压测试



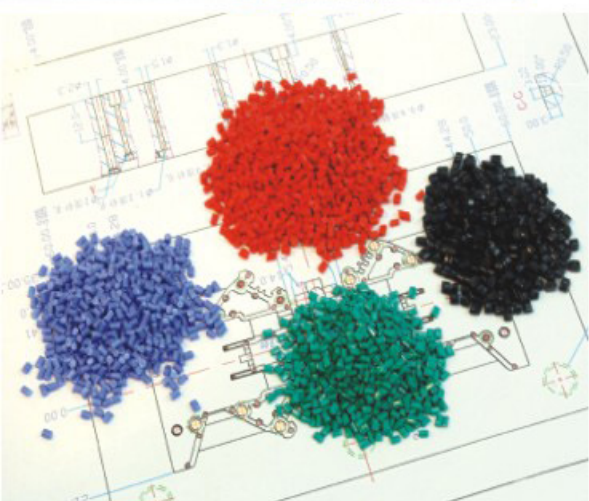


## PRECISE INJECTION PROCESSING

Our company is equipped with more than 80 precise injection Machines, capable of producing all kinds of plastic parts with high precision in order to meet the production demands of different kinds of components and modules as well as structural crusts of OEM/ODM orders. Plastic injection moulds apply hot runner submarine gate according to different requirements, automatically upward and downward plastic which allows one person to charge several machines.

### 精密注塑加工

公司目前拥有80多台精密注塑机，可加工各种高精度注塑产品，满足各类零组件与OEM/ODM客户结构外壳的生产需求，塑料模根据不同要求采用热浇道潜伏式浇口，采用集中干燥供料系统和自动吸料机，能自动上下料，一人多机组织生产。

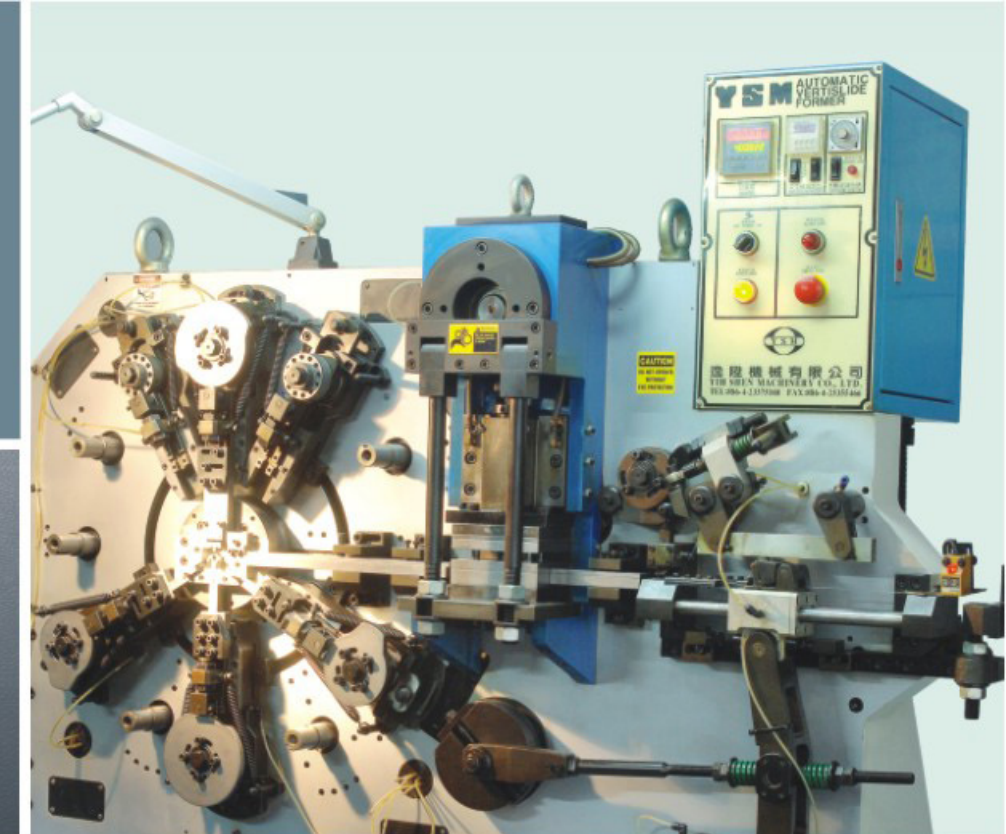


## PRECISE INJECTION PROCESSING 精密注塑加工

Precision injection machine 精密注塑机	80 sets 80台
Injection mould 精密模具	1200sets 1200套
Product category 产品种类	3000types 3000多种
Production ability/Day 日产能	4million poles 400万位



## PRECISE STAMPING PROCESSING 精密冲压加工



- High-Speed Punch 30sets  
高速冲床 30台
- NC Automatic machines 2 sets  
NC自动成型机2台
- Punching machines 30sets  
普通冲床 30台
- Stamping mould 800sets  
冲压模具 800套
- Product category 3000types  
产品种类 3000多种
- Production ability/Day 4million poles  
日产能 400万位

## PRECISE STAMPING PROCESSING

Our company has more than 30 sets of different kinds of metal stamping machines which exert force between 16-110 tons. We employ progressive stamping, that allows for multiple stamping operations to be performed in a single tool and die at one single machine which is also efficient and with high precision. We can stamp various materials including, brass, phosphor bronze, beryllium copper, nickel precoated and stainless and various types of steels.

### 精密冲压加工

公司拥有30多台高速冲床，规格从16吨-110吨，采用连续模生产，所有冲压过程都在一套模具内完成，有着很高的效率和精度，可生产的材料包括：黄铜、磷青铜、铍青铜、镍白铜，复合材料，不锈钢等。



## AUTOMATIC PROCESSING 自动化加工



Automatic tapping machines 全自动攻牙机	80sets 80台
Pad printing machines 移印机	10sets 10台
Automatic assembly machine 全自动装配机	10sets 10台
Ultrasonic jointing use machines 超声波焊接机	4sets 4台



## AUTOMATIC PROCESSING

DEGSON have all kinds of automatic production equipments. Our production department equipped with more than 80 automatic tapping machines and 10 sets automatic assembly machines, and improves the products quality and production efficiency fast.

## 自动化加工

公司拥有各类自动化生产设备，全自动攻牙机80多台，全自动装配机10台，做到了“稳、准、快”的目标，迅速提升了产品的质量和生产效率。



## PRECISE CUTTING PROCESSING 精密切削加工



## PRECISE CUTTING PROCESSING

We boast abundant strength in equipment and rich experience in cutting, capable of providing precise cutting and processing service to electronic and other related industries.

## 精密切削加工

我们有着雄厚的设备力量及丰富的切削经验，可为电子零件及相关产业提供精密切削加工服务。



## PRECISE DIE-CASTING PROCESSING

Precision die-casting is used to produce components for use in telecommunication and electronic products. These machines are capable of producing parts from zinc and aluminum alloys.

## 精密压铸加工

公司制造的压铸产品广泛用于通讯和电子产品，目前可加工的材质为锌和铝。



## PRECISE ELECTROPLATING PROCESSING

## 精密电镀加工



## PRECISE ELECTROPLATING PROCESSING

Electroplating on metal parts is an essential technology in electronic products. Monitored with the tough environmental requirement, we have established the automation of barrel plating and progressive plating, the categories of plating includes copper, nickel, tin, gold, silver and Zinc(Cr3+), chemical gold plating, Zinc-nickel alloy, SnAgCu alloy, etc.

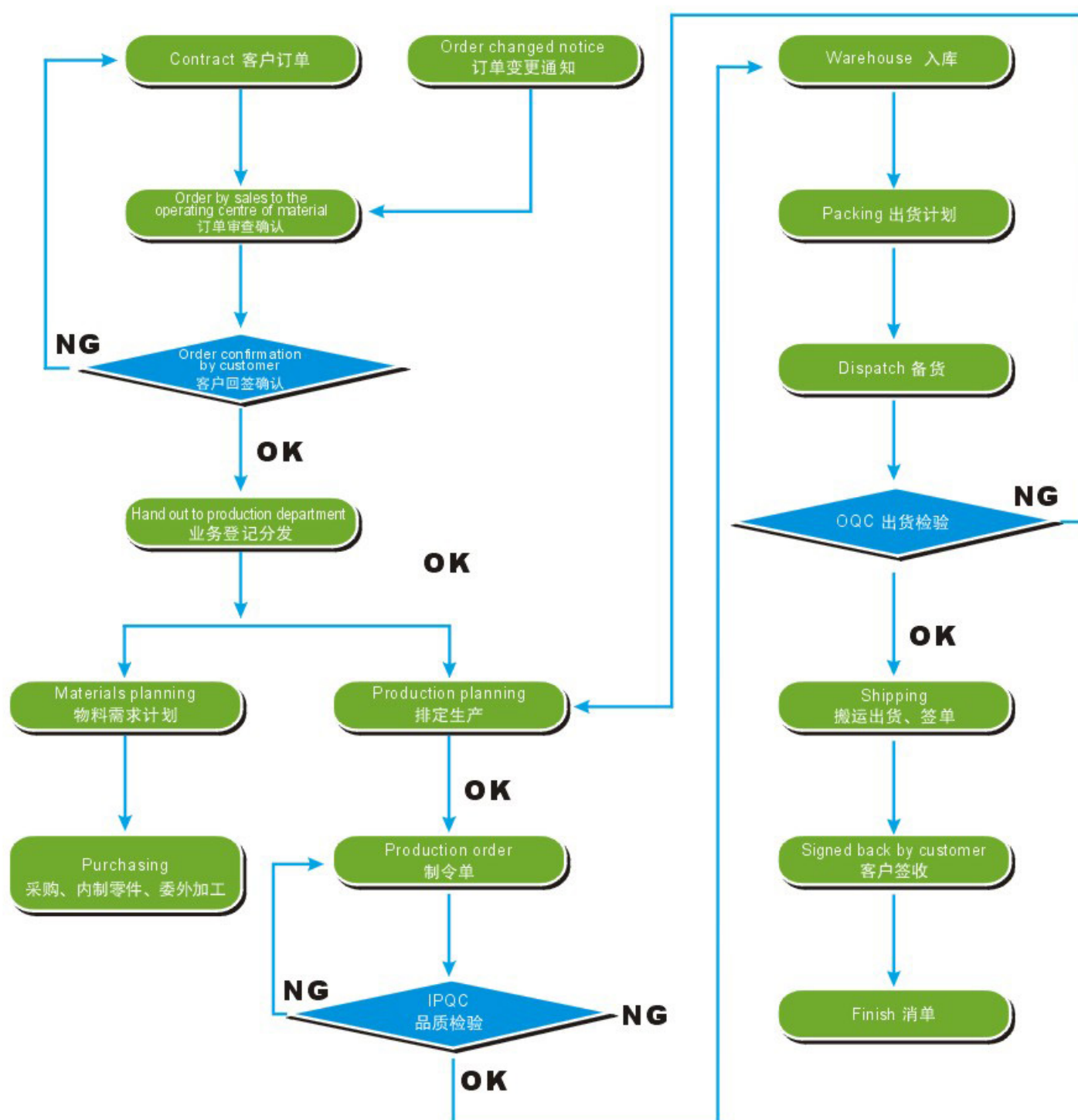
## 精密电镀加工

金属零件电镀是电子产品必不可少的核心技术，本着“环保为先”的生产理念，公司设立了滚镀和连续电镀两种自动化生产线，电镀种类涵盖铜、镍、锡、金、银、锌(Cr<sup>3+</sup>)、化学镀金、锌镍合金、锡银铜合金……等，可以处理散件，连续端子，板材等工件。



## OPERATING MATERIAL CENTRE FLOW CHART

### 资材接单、制、交管理流程



The operating centre of Material  
资材运作中心



The warehouse of preparing shipment  
待发仓



Warehouse  
仓库

## Material Dept

Our company is equipped with internationally advanced ERP system and has realized the information sharing between different parts such as sales, production, logistics, engineering, technology, human resources, etc, which greatly improves our management level and work efficiency, meanwhile enormously saves the cost and shortens the delivery time for our customers.

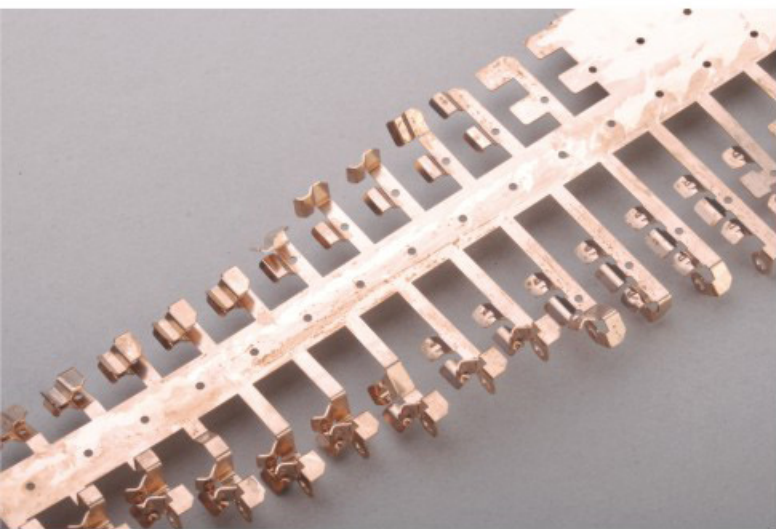
## 资材部

公司配备了国际先进的ERP系统，实现了销售、生产、物流、工程、技术、人力资源等各环节的信息共享，大大提高了公司的管理水平和工作效率，同时为客户节约了成本，缩短了交货周期。



## CHARACTERISTICS AND APPLICATION

### 产品特点及应用



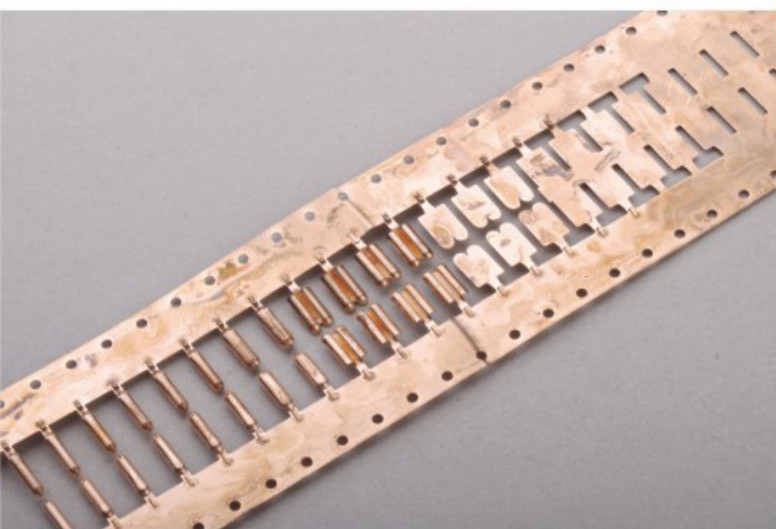
Pluggable terminals (1)  
排插端子1

Round terminal  
包圆端子



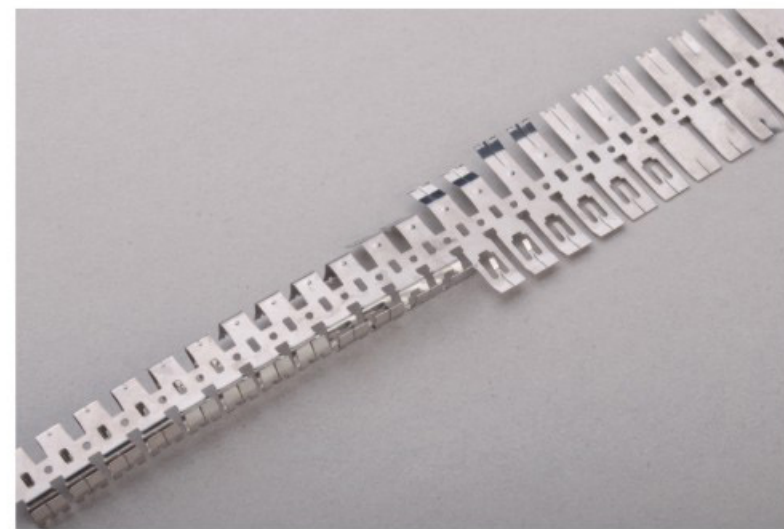
Pluggable terminals (2)  
排插端子2

Pin header  
焊脚类



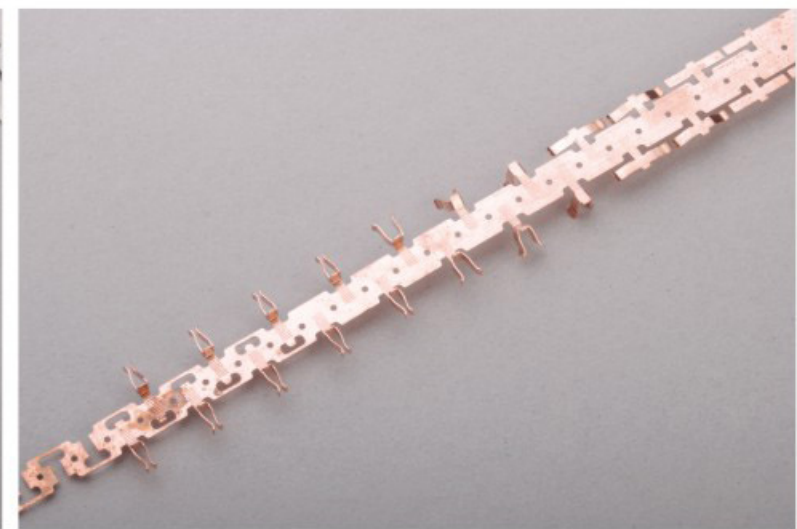
## CHARACTERISTICS AND APPLICATION

### 产品特点及应用



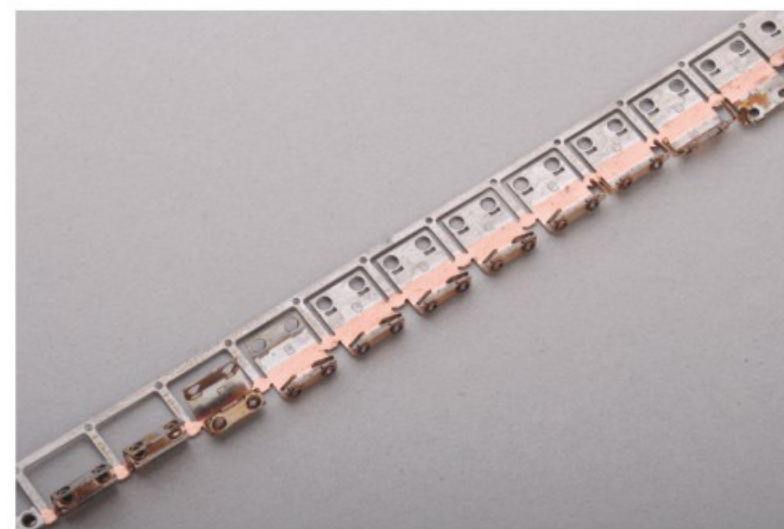
Stainless steel spring  
不锈钢弹片

Wire cage (1)  
接线方盒1



Clamp terminals  
夹子端子

Wire cage (2)  
接线方盒2



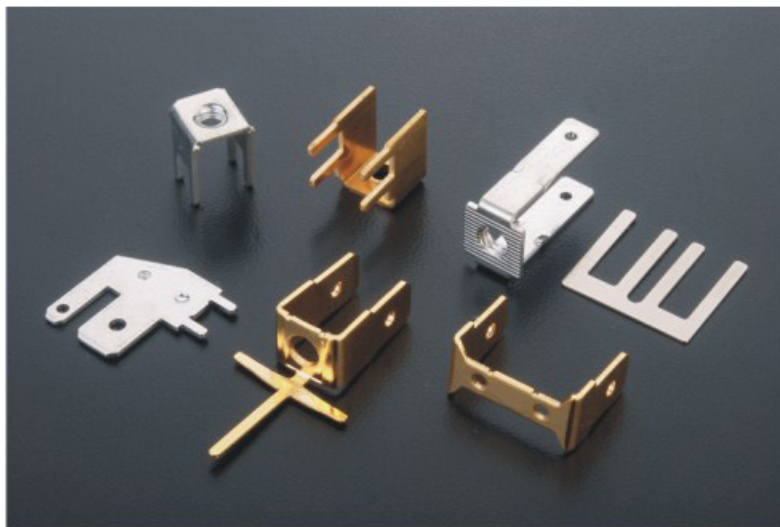


CHARACTERISTICS AND APPLICATION  
产品特点及应用



Current carrier  
载流体

Clamp types  
夹子类



Independent metal parts (2)  
独立零件2

Pin header  
焊脚类



CHARACTERISTICS AND APPLICATION  
产品特点及应用



Precise Cutting(1)  
精密切削1

Precise Die-casting(1)  
精密压铸1



Precise Cutting(2)  
精密切削2

Precise Die-casting(2)  
精密压铸2

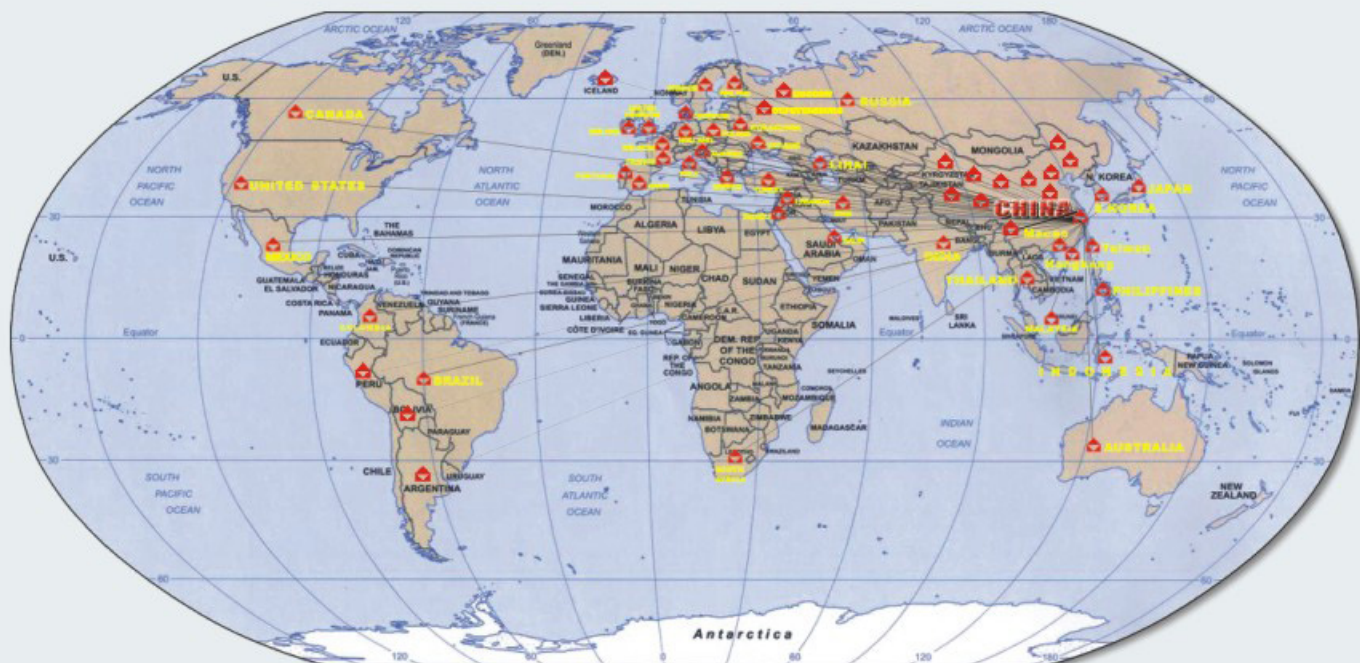




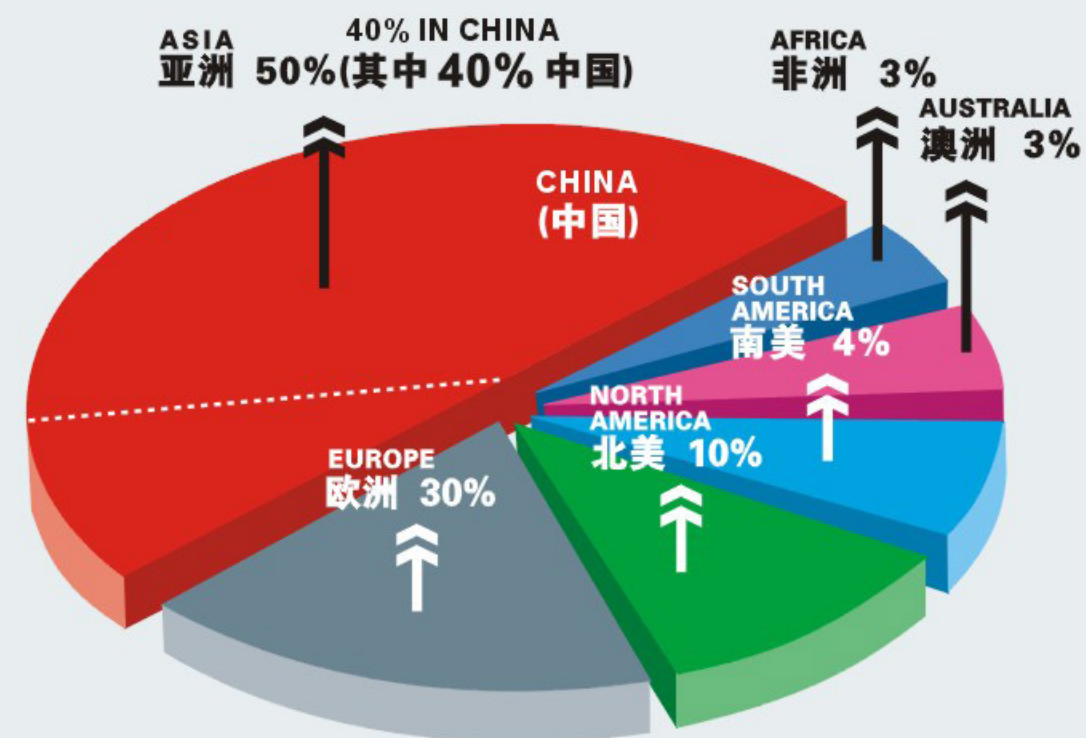
## SALES NETWORK 销售网络

We consider customers as long-time business relationship partners and keep a good business relationship with many world-famous companies.

我们视客户为长期业务伙伴，我们同许多世界知名企业一直保持着友好的合作关系。



## SALES DISTRIBUTING 销售分布



## SALE & SERVICES 销售与服务

As an integrated manufacturer services provider, we emphasize on providing good services to our customers, ranging from our pre-sales efforts to post-sales customer support services. Our management team regularly visits our key customers to promote good working relationship and update them on our technological development. Through these visits, we are kept informed of the needs of our customers and helpful for the development and continuous improvement of the company.

作为整合制造服务供应商，我们重视从售前服务至售后服务的全过程客户满意，公司经营层定期拜访客户，提供技术支持，维护良好关系，通过这些拜访，我们及时获得客户需求信息，用于公司的发展和持续改善。



Near Hangzhou bay cross-sea bridge about 2 hours' drive to Shanghai.

公司位置：毗邻杭州湾跨海大桥；距上海2小时车程

Hongkong two hours

香港：✈ 2小时

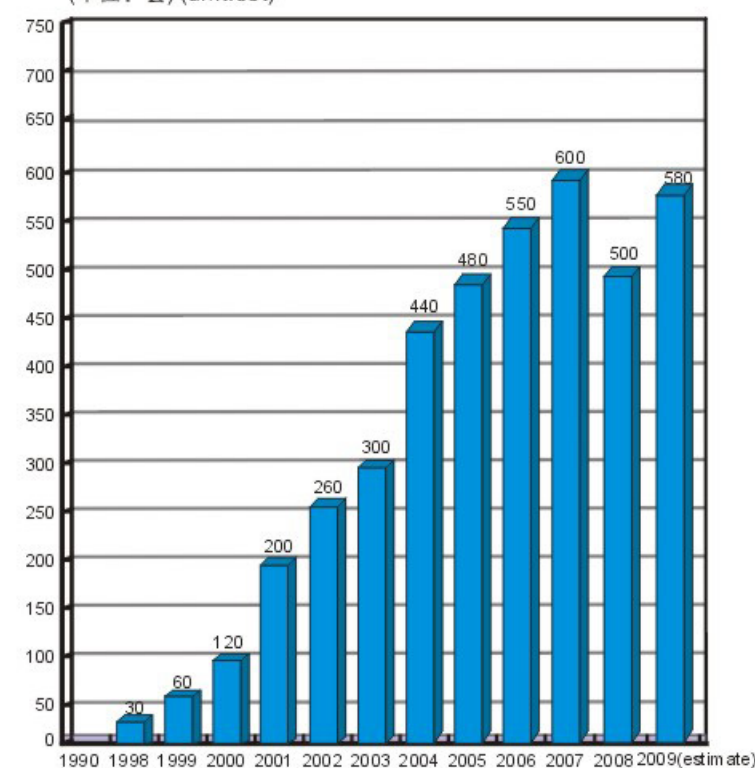
Beijing two hours

北京：✈ 2小时



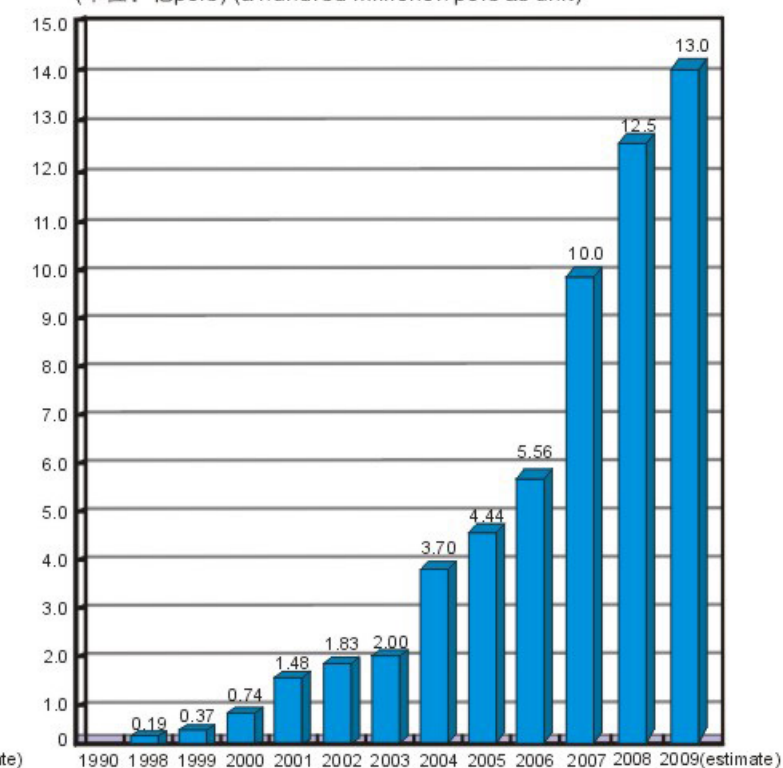
## MOULD OUTPUT 模具产量

(单位：套) (unit: set)



## PRODUCT OUTPUT 产品产量

(单位：亿pole) (a hundred million pole as unit)







## ENVIRONMENTAL POLICY

DEGSON realizes system regulation without lead in 2005 and has been granted ISO14001 in 2006. All the products conform to the European ROHS requirement.

DEGSON realizes the importance to protect environment resources, self-consciously meets environment protection requirements for products and regards it as the responsibility. Thus, we have made the following environment strategic policy:

- 1、To meet customers'demands and obey the national and local laws and regulations as well as other environmental protection requirements.
- 2、Take environmental protection as one criterion for continuing development of our company. Insist on fully development of quality, benefit and environmental protection.
- 3、Fully considering the factors which will influence the environment in the processes of product development, manufacturing, material usage and waste processing, establish management system of waste in order to improve the environment of our company.
- 4、To increase the employees' consciousness of environmental protection through training and to realize the continuing improvement of environment management system and the ability of environmental protection.
- 5、To make full use of resources and to decrease consumption of material in order to save energy.
- 6、To promise to our partners and society that we will make contribution to environment protection. There is only one Earth for our humanity.
- 7、To strive for making conservation-oriented and environment-friendly products through continuous innovation and developing new materials and technology.

## 环境政策

**DEGSON** 认识到保护环境资源的重要性，并将其视为公司对社会应尽的义务，自觉满足产品的各项环保指标，为此我们制定以下环境战略方针：

- 1、满足客户需求，遵守国家和地方的法律、法规和其它环保要求。
- 2、环境保护为公司可持续发展的一项准则，坚持质量、效益和环保全面发展。
- 3、建立厂内废弃物管理，充分考虑在产品开发、生产、材料使用和废弃物处理等过程中可能影响环境的因素，提高企业内各场所的环境质量。
- 4、实施培训，全面提升全员的环境保护意识，实现环境管理体系和对环境保护能力的持续改进。
- 5、降耗节能，实现资源的充分利用。
- 6、向合作方及社会承诺为环境保护做出贡献。响应口号“人类只有一个地球”。
- 7、不断创新，开发新材料、新技术，制造节约型环保产品。

