



上海泽厘精密机电科技有限公司

Shanghai ZeLi Precision Industry Co.,LTD.



序言 Preface

上海泽厘精密机电科技有限公司前身为成立于2003年的上海泽力精密模具有限公司，现位于上海市松江区泖亭路566号。

我们是精密塑料模具、精密冲压模具、精密塑料注塑件的专业生产厂家。

我们从事的模具开发及注塑产品范围涉及：塑料齿轮箱及精密传动结构、连接器接插件、汽车零配件，医疗器械、小家电、数码3C产品、电动工具等。

公司拥有干净整洁的厂房，一流的MAKINO,+GF等模具加工设备，国际知名的FANUC，ARBURG电动高速注塑机，同时还有先进的检测仪器。泽厘的生产团队是一批经验丰富、技术熟练的技师和高学历高素质的专业设计师。公司在管理方面运用ERP系统进行从设计到生产的全程监控，在完善、科学的质量及管理体系下，我们保证了客户对于产品高品质、低成本、短交期等等一系列的要求。

公司产品在国内市场具有相当知名度，并且远销欧美、日本、新加坡等国家和地区、获得客户“品质高，价格优”的一致好评！

序言 Preface

Shanghai Zeli Precision Industry Co., Ltd was founded in 2003, is located at NO.566 Maoting road Songjian District, Shanghai China.

We focus on precision plastics mold、 pressing mold and injection plastics.

Our business covered a wide range: precision plastic gear wheel box and transmission mechanism, connector, auto plastic parts, medical equipment, digital 3C, gadgets, electronic device, etc.

We have beautiful and clean factory、 international advanced machine for mold processing equipment(such as MAKINO, +GF)、 Electric injection molding machine(such as FANUC, ARBURG) and advanced precision inspection equipment. Our producing team is a group of experienced, skilled technicians and high - educated professional designers. We use ERP system control the whole flow from design to process, with scientific quality and management system, we ensure customer 's requirement for high quality, low cost and short delivery time.

Our products were well known in local market, and have been exported to Europe, America, Japan, Singapore, etc.

All of our clients gave us high praise and said our products are “high quality, excellent price”!

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01 我们的团队

Our team



泽厘的主要管理人员 Key Managers of Zeli



施晓浩, CEO

Shi Xiaohao

负责公司战略发展, 商务交流, 工厂管理。
Responsibility for company's strategic development, Business communication, factory management.

公司股东company ownership:

周春浩、施晓浩、潘明山



丁弘辰, Technology Manager

在泽力工作已11年。负责项目管理、项目工程师工作分配, 工具设计管理等。
Responsibility for Project management, project engineer work assignment, Tool designer management.



唐满成, Project Engineer

在泽力工作已10年。负责模流分析, 项目管理等。
Responsibility for project mold flow analysis, project management.



唐双成, Tooling Manager

在泽力工作已12年。负责模具车间管理、模具生产、产品流程提升等。
Responsibility for tooling Dept. management, tool manufacturing, tool production process improve.



韩小燕, Quality Manager

在泽力工作已11年。负责质量部管理、审核测量方法、质量部工作协助。
Responsibility for quality management, confirm measuring method, Quality department work assignment.

泽厘的生产团队 Our Production Team



技术部 Technology Dept.

内设项目组和设计组。（设计8人+项目经理5人）

Include project and design team.



模具部 Tooling Dept.

内设铣床组（4人）、磨床组（7人）、CNC组（7人）、电火花组（8人）、线切割组（4人）、编程组（4人），装配组（7人）。（共41人）

Include milling machine, grinding machine, CNC, EDM, wire cutting, programming and assembly team.



注塑部 Injection Dept.

内设技术员组（11人）、操作组（18人）、计量组（3人）。（共31人）

Include technician and operation team.



品控部 Quality Dept.

内设模具组和制品组。（10人）
Include tooling and injection team.



点击播放视频

02 泽厘的成长 Growth of ZeLi



泽厘大事记 Chronicle of events

2017.9月 Sep. 2017

工厂为扩大产能，搬迁到松江泖亭路566号，
厂房面积增加到11000平米。

In order to expand the production capacity,
the factory moved to 566 maoting road,
SongJiang, and the plant area increased to
11,000 square meters.

2010.4月 Apr.,2010

成立注塑工厂，向客户提供精密注塑件。

Establish injection mould factory and provide
precision injection products.



2014.4月 Apr.,2014

通过瑞士SGS公司审核，取得ISO/TS 16949:2009证书。
(2018年已升级为IATF16949/2016)

Obtained ISO/TS 16949:2009 certificate through
Swiss SGS company(upgrade to IATF16949/2016 in
2018Y) .

2012.1月 Jan.,2012

通过瑞士SGS公司审核，取得 ISO9001:2015证书

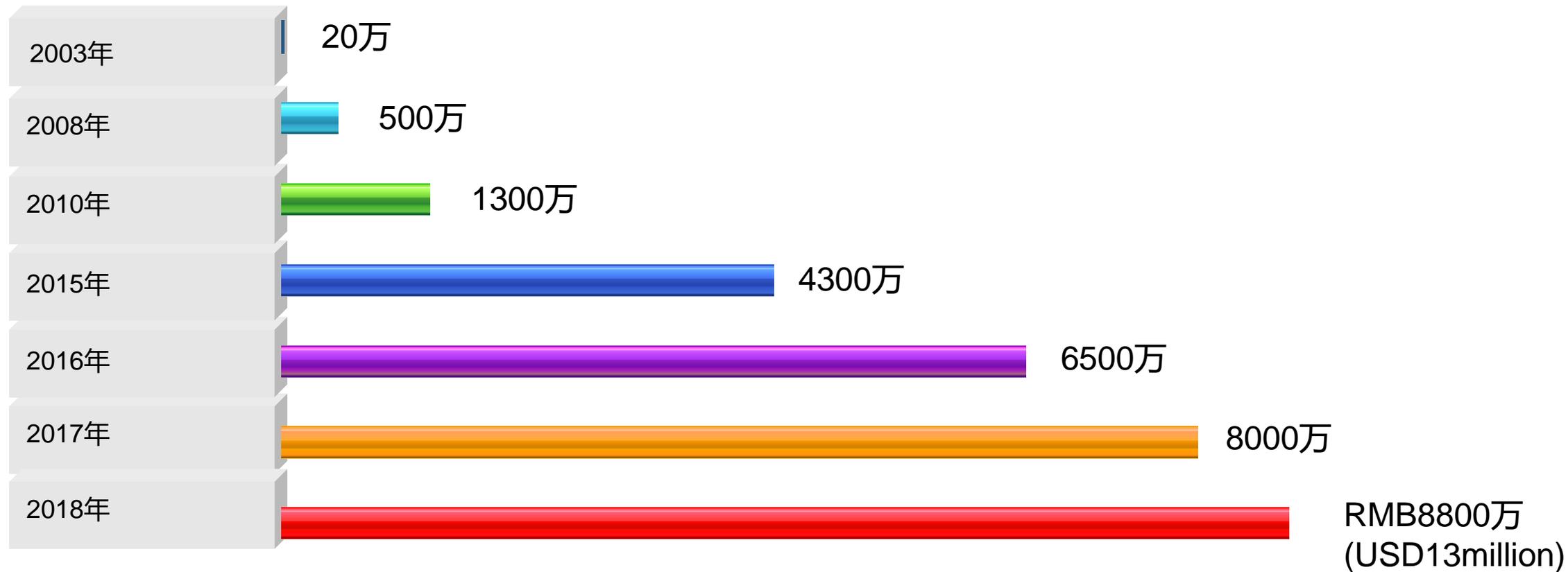
Obtained ISO9001:2015 certificate through Swiss
SGS company.



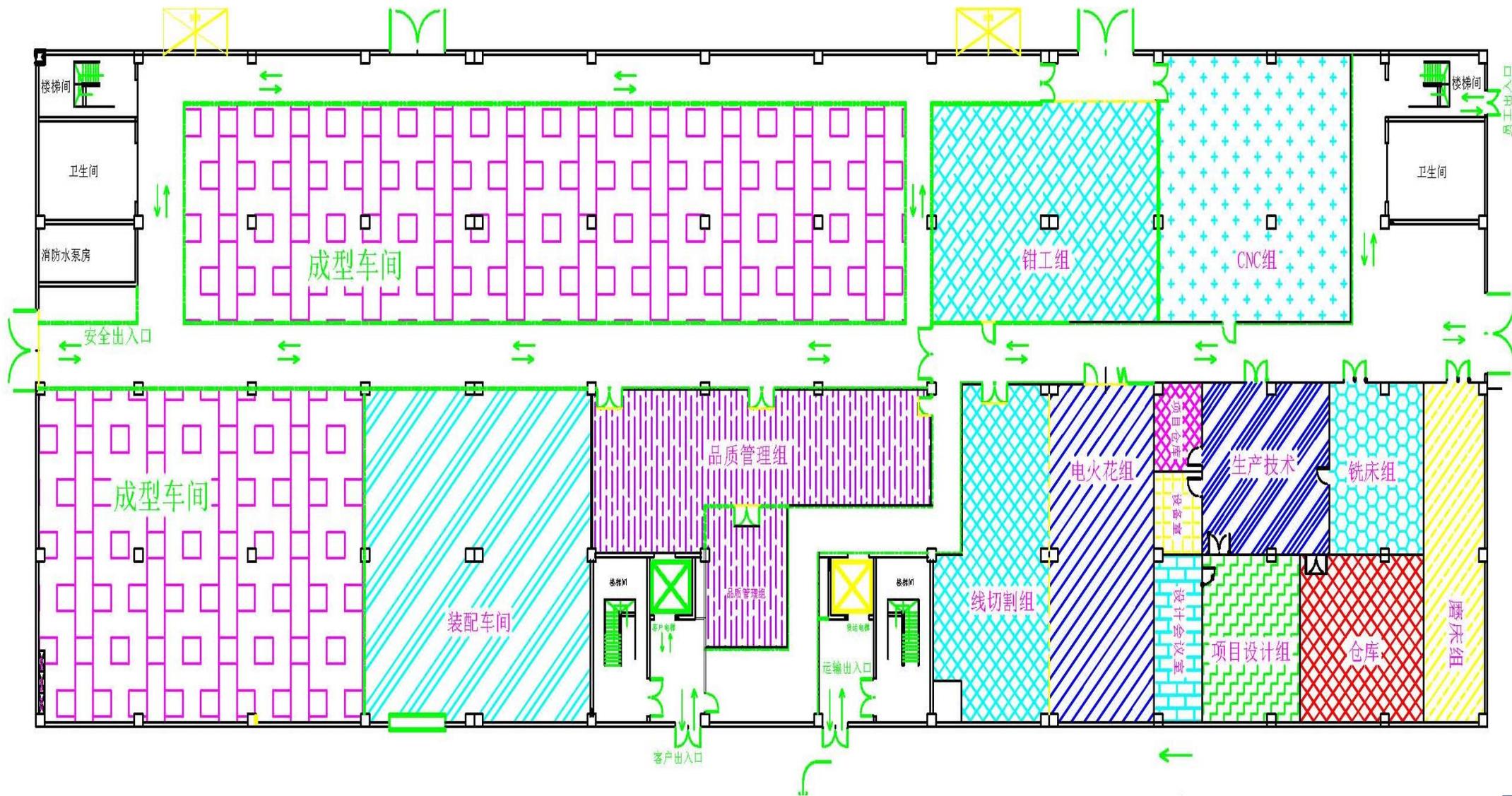
2003.8月 Aug.,2003

注册成立 Incorporation.

泽厘的销售业绩 Sales Performance



泽厘的工厂平面图 Factory of floor plan



泽厘的工厂掠影 Factory of environment



03 泽厘的产品介绍

Product Introduction
Of ZeLi



精密模具 Precision Mould



特点: 小型精密

Features: small 、 precision

注塑机吨位: 30吨~220吨

Injection machine tonnage: 30T-220T

寿命: 100万~300万模次

Lifetime: 1 million ~ 3 million shot times.

应用领域: 汽车,消费电子,医疗等

Application Fields: Automobile、consumption、
Electronics、Medical apparatus, etc.

客户群: 中国市场--65%

出口日本—20%

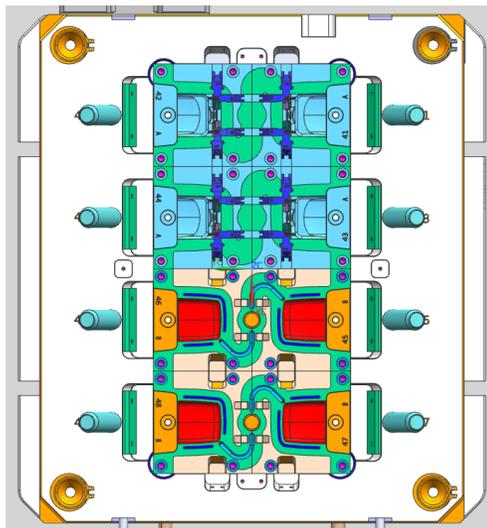
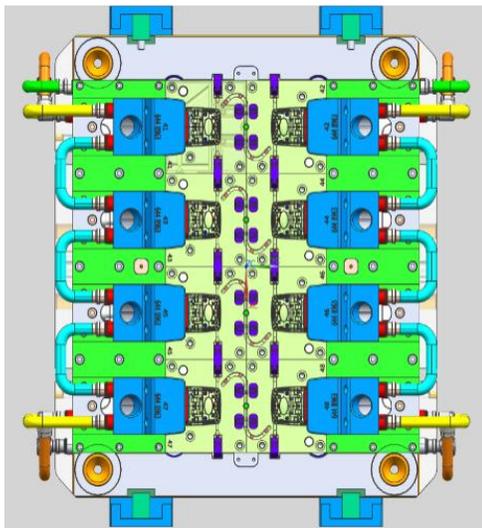
出口欧美---15%

Client base: Local-65%

Japan-20%

Occident-15%

精密双色模具 Precision Double color Injection Mould



汽车安全带卡扣外壳 Safety belt buckle shell

模具腔数: 4+4穴

Number of mold cavity: 4+4 cavity

材料: 1射PA50GF+2射PP

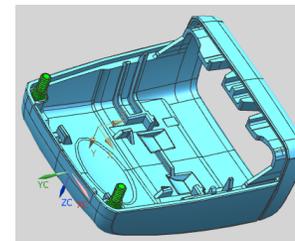
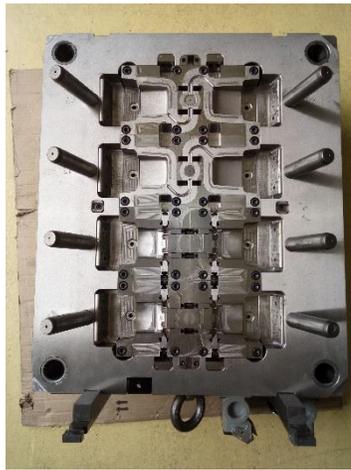
Material: First shot PA50GF+second shot PP

注塑机: 180吨双色注塑机

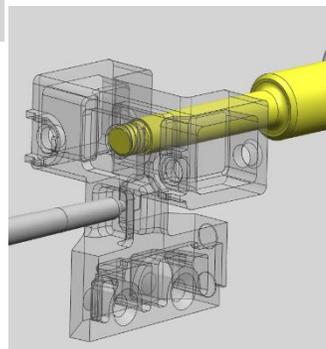
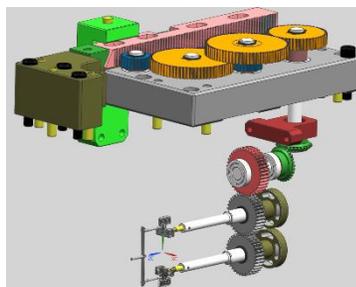
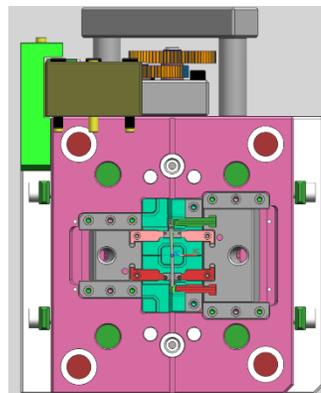
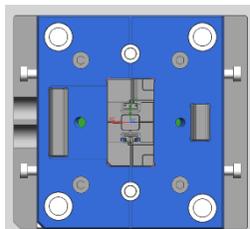
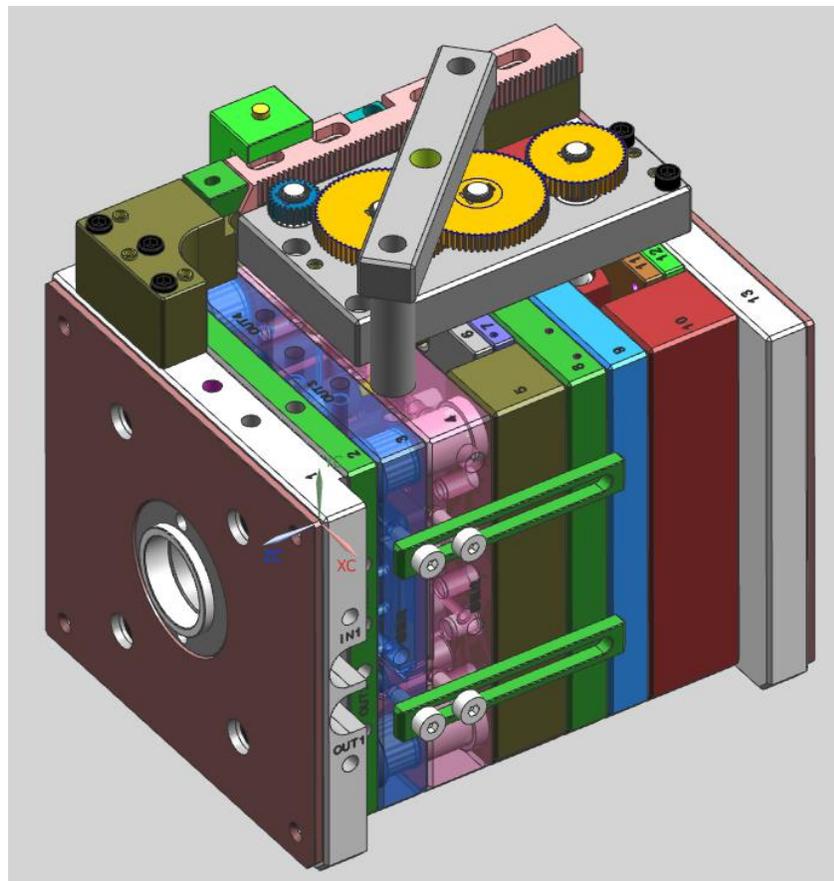
Injection machine: 180T, Double color.

生产周期: 38S

Cycle time: 38S



内螺纹模具 Internal Thread Mould



内螺纹制品模具

Internal thread mould

难点: 开模同步产品脱模

KEY points: demould auto-sync mold open

技术价值:

- 1, 不使用传统油缸结构, 模具做的更小
- 2, 生产周期快, 经济价值高

VALUE:

- 1, The tool is smaller and don't need the traditional cylinder.
- 2, shorten production cycle, higher economic value.

应用领域: 内螺纹, 蜗杆, 光学镜头底座

Application Fields: Parts with internal thread, worm, lens holder.



精密齿轮模具 Precision Gear Wheel Mould



特点: 精度高、产品噪音低

Features: high precision、less noise

常用材料: POM、PPA、PA+玻纤、PPS、PEEK

Common Materials: POM、PPA、PA+ glass fiber、PPS、PEEK

齿轮达到级别: 国标6级、德标6级、日标1级

Reaching grade of our gear:

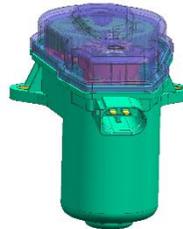
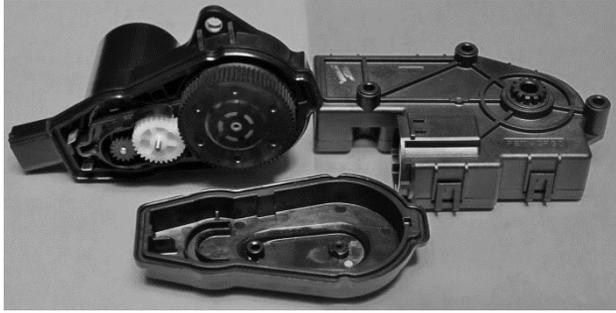
ISO 6, DIN 6, JIS 1

应用领域: 汽车、安防监控、消费电子、办公设备、无人飞机、机器人等。

Application Fields: Automobile、camera、office equipment、drone、robot、etc.



精密齿轮箱 Precision Gear Case



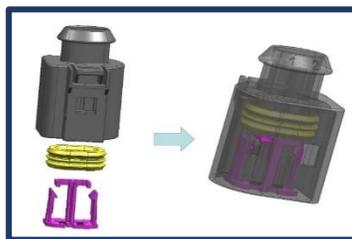
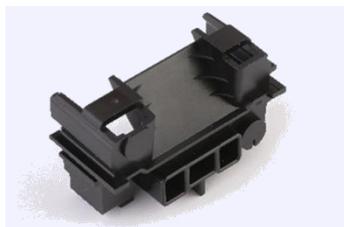
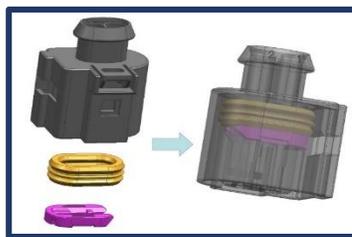
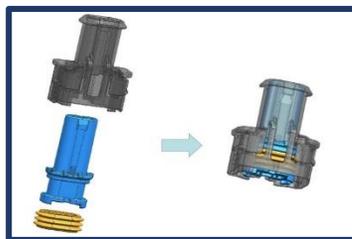
借助于近20年的精密齿轮模具开发经验,我们在塑料齿轮上积累了丰富的经验. 泽厘的精密塑料齿轮已广泛应用于:汽车,无人飞机,医疗设备,安防监控等领域。

With nearly 20 years' experience in precision gear mould development, we have accumulated rich experience in plastic gear.

The precision plastic gear of ZiLi has been widely used in automotive, drone, Medical apparatus, security monitoring system and other fields.

精密连接器 (多用于汽车、机器人)

Precision Connector for Automobile and Robot



防水连接器 WPC

特点: 设计复杂、薄壁、嵌件注塑、精密度要求高

Features: complex design, thin-wall, insert molding, high precision

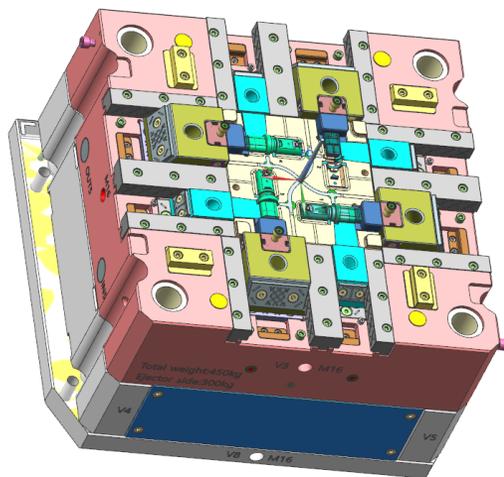
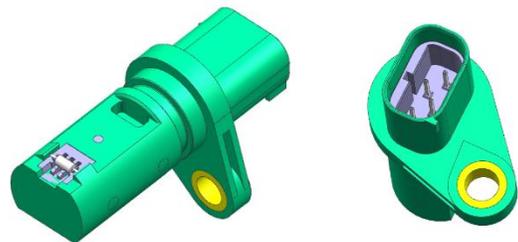
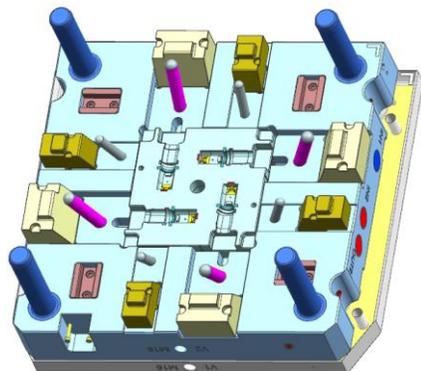
常用材料: PA66+玻纤、PBT、LCP、PA、PPE、PET

Common Materials: PA66+fiber, PBT, LCP, PA, PPE, PET

应用领域: 汽车、消费电子、无人飞机、机器人等。

Application Fields: Automobile, CE, drone, robot, etc.

精密传感器类模具 Precision Sensor Mould



特点: 嵌件注塑, 精密度要求高

Features: insert molding, high precision

常用材料: PA66+玻纤, PBT, PET, ABS, PMMA, PVC

Common Materials: PA66+fiber, PBT, PET, ABS, PMMA, PVC

应用领域: 汽车、安防监控、消费电子、办公设备、无人飞机、机器人等。

Application Fields: Automobile, camera, office equipment, drone, robot, etc.



EPB自动驻车齿轮箱

EPB auto park gear box

使用材料Material:

外壳Housing: PBT+GF30

齿轮Gear: PPA+GF50

精度Precision:

外壳Housing:

焊线轮廓精度:

Profile precision of welding line:

0.25—0.30mm

齿轮Gear: 国标10级

ISO 10



汽车用注塑制品 Injection Plastic Parts for Automobile



安全带高调
Safety belt adjustment



安全带插锁
Safety belt lock



安全带卷收器
Safety belt retractor



安全带敏感座
Safety belt CS sensor



安全带配件
Safety belt webbing guide



座椅头枕结构件
Seat headrest structural parts



座椅调角齿轮箱
Seat angle modulation gear box

汽车座椅及安全带相关注塑件

1. Safety belt related products
2. Automobile seats related products.

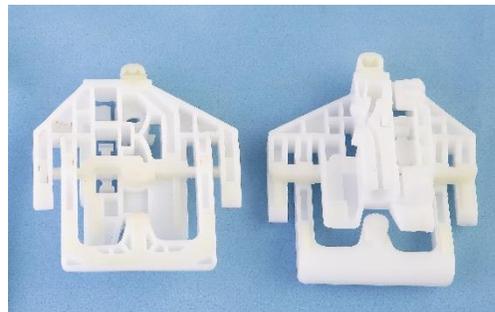
汽车用注塑制品 Injection Plastic Parts for Automobile



汽车阀门
valve



汽车天窗齿轮箱
Sky window gear box



车窗玻璃滑块
Window slide

其他汽车部件 Other Automobile parts



汽车连接器
Connector



汽车连接器
Connector



双色紧固件
2K fastener



阻尼及齿条
Damp & rack

04 泽厘的服务 Service of Zeli

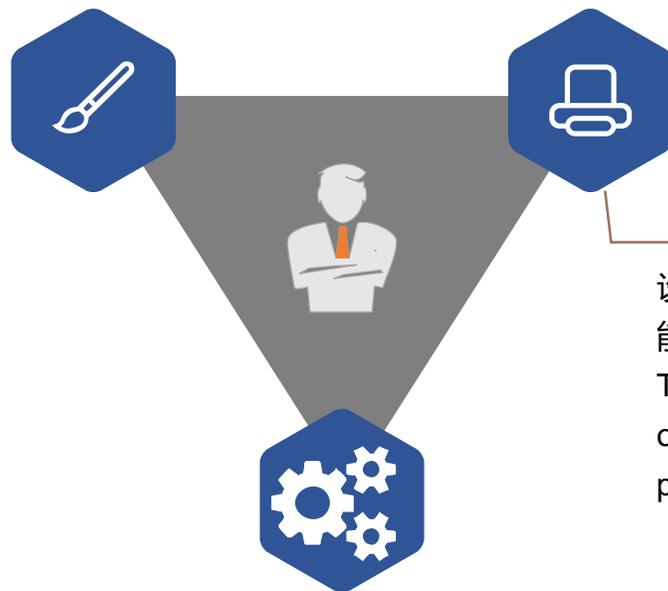
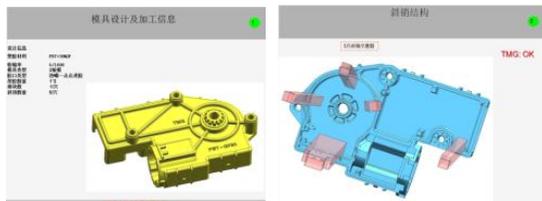


设计精密模具 Design Precision Mould

工程团队确认DFM报告 Confirm DFM report

由项目主管主导，前期与客户做详细DFM报告确认，并全程跟踪项目进度，经评审，设计，加工，组装，试模，修模，最终提交客户验收。

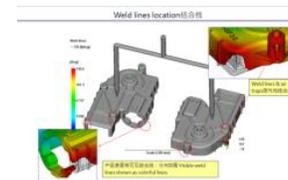
Project lead drive, made detailed DFM report and then confirm with client in the early stage, and tracked the project progress throughout the whole process. After review, design, processing, assembly, test mould, modify, and finally submitted it to client.



模具流程分析报告 Analysis Report of Mould Process

设计前期的模流分析会确认胶口位置，收缩变形，排气等可能出现的问题。

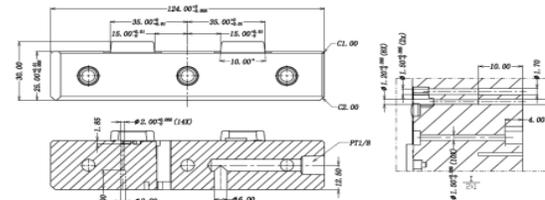
The pre-design mold flow analysis will confirm the location of gate, shrinkage deformation, vent and other possible problems.



图纸公差管控 Drawing Tolerance Control

工厂严格按照项目及工程图纸引导整个模具的生产制造流程，在设计图纸一开始就制定了高要求。

Our workshop design drawings with high requirement at the first, then guides the whole tooling manufacturing process, according to the project and engineering strictly.



精密模具加工设备 Precision Mould Processing Equipment



牧野加工中心

- 转速—32000
- 最小使用刀具—直径0.3
- 定位精度—0.001
- 加工精度—0.003

MAKINO V331 CNC

- SPEED—32000
- MIN. TOOL—D0.3
- Positioning accuracy — 0.001
- working accuracy — 0.003



牧野加工中心

- 转速—20000
- 最小使用刀具—直径0.3
- 定位精度—0.001
- 加工精度—0.005

MAKINO F3 CNC

- SPEED—20000
- MIN. TOOL—D0.3
- Positioning accuracy — 0.001
- working accuracy — 0.005



牧野放电机

- 定位精度—0.001
- 加工精度—0.005
- 最小使用电极—直径 0.08

MAKINO Spark

- Positioning accuracy—0.001
- working accuracy — 0.005
- Min. Electrode — Diameter 0.08



沙迪克线切割

- 定位精度—0.001
- 加工精度—0.003
- 最细铜线—0.100

Sodick Wire cut

- Positioning accuracy—0.001
- working accuracy—0.003
- MIN. Wire—Diameter 0.100



阿奇夏米尔线切割

- 定位精度—0.001
- 加工精度—0.001
- 最细铜线—0.05

AGIE Charmilles

- Positioning accuracy—0.001
- working accuracy—0.001
- MIN. Wire—Diameter 0.05

精密模具设备清单 List of Precision Mould Machines

设备 Equipment	品牌 Brand	型号 Model	精度 Accuracy	数量 QTY	合计数量 Total
车床Lathe	SHENG YANG	CA6136	0.02	1	1
铣床 Milling Machine	QUICK JET	QJM-QB-VA	0.02	1	4
	QUICK JET	KB-A8-VS	0.02	1	
	TOPONE	5VK	0.02	1	
	TOPONE	TOM 3HG	0.02	1	
磨床 Grinding Machine	JOENLIH	618	0.001	5	9
	KENT	618	0.002	3	
	KENT	KCS-84AHD	0.01	1	
加工中心 CNC	GF MIKRON	HSM500	0.005	1	8
	MAKINO	S33	0.005	1	
	MAKINO	F3	0.005	2	
	MAKINO	V33I	0.003	2	
	FANUC	ROBBDRILL D14MIA	0.01	2	
火花机 EDM	MAKINO	EDGE2	0.005	2	9
	MAKINO	EDGE3	0.005	6	
	NEUAR	M-30	0.005	1	
线切割 Wire Cut	AGIE Charmilles	CUT 2000S	0.001	1	3
	SODICK	AQ360	0.003	1	
	SODICK	AG400	0.003	1	

检测设备 Inspection Equipment



ZEISS三坐标

型号: CONTURA G2
测量范围700*700*600
精度: 1.5+L/333

ZEISS Three coordinates
Model : CONTURA G2
Measuring
range :700*700*600
accuracy: 1.5+L/333



NIKON影像三次元

Z轴高精度同轴激光测量
精度—0.001

**NIKON CNC VIDEO
Measuring System**
accuracy—0.001



ZEISS METROTOM CT 扫描

- 规则几何元素及自由曲面的测量
- 名义值与实际几何比对及三维色差可视化报告
- 完整的首件检验报告
- 缺陷检测及分析
- 孔隙率及夹质分析
- 损伤及失效分析
- 安装夹查
- 装配检查

ZEISS METROTOM CT scans

- Measuring standard geometries and freeform surfaces
- Nominal/actual geometry comparison with a color-coded 3D visualization
- Complete initial first sample report
- Detecting and analyzing defects
- Porosity and inclusion analysis
- Damage and failure analysis
- Mounting checks
- Assembly checks



NIKON工显

精度—0.001

NIKON Microscope
accuracy—0.001



三丰投影仪

精度—0.002

Mitutoyo projector
accuracy—0.002



一键测量仪

精度—0.002

keyence IM-DXW12N
accuracy—0.002



精密噪音分析仪

日本RION NL-52
Precision noise
analyzer



大阪齿轮啮合仪

Osaka engage instrument

检测设备清单 List of Inspection Equipment

品牌 Brand	型号 Model	精度 Accuracy	数量 QTY
三坐标CMM(ZEISS)	CONTURA G2	0.001	1
影像三次元CMM(NIKON)	VMZ-R3020	0.001	1
工显Microscope(NIKON)	MM-400/S	0.001	2
投影仪Microscope(Mitutoyo)	MF	0.001	1
精密投影仪 Precision Projector(Mitutoyo)	PH-3500	0.002	2
齿轮啮合仪 Gear mesh instrument(OSAKA)	GTP-4LS		1
图像尺寸测量仪 Measuring Instrument(keyence)	IM-DXW12N	0.002	1
微机控制电子万能试验机 Microcomputer control electronic universal testing machine	EXCEED E43.104 10KN		1
ZEISS 工业CT	METROTOM 800 130KV		1
精密噪音分析仪 Precision noise analyzer	RION NL-52		1

生产设备 Production Machines



FANUC全电动注塑机 Electric injection molding machine



ARBURG全电动注塑机 Electric injection molding machine



ARBURG 立式注塑机
规格 120吨

ARBURG Vertical injection
molding machine
SIZE 120ton



AIDI 精密冲床
规格 80吨
AIDI Press
SIZE 80ton



辅机-川田干燥机, 模温机
Auxiliary-Kawata
dryer device

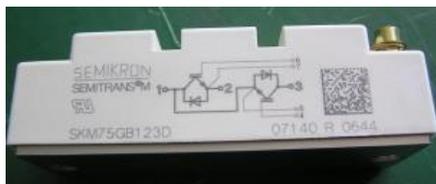


辅机-有信全伺服机械手
Auxiliary-Youxin servo
robot

注塑生产设备清单 List of Injection Production Machine

设备 Equipment	品牌 Brand	型号 Model	数量 QTY	合计数量 Total
卧式注塑成型机 Horizontal Injection machine	ARBURG	150T	1	39
	ARBURG	100T	1	
	FANUC	220T	1	
	FANUC	150T	2	
	FANUC	100T	10	
	FANUC	100T (双色2K)	1	
	FANUC	50T	10	
	FANUC	30T	13	
立式注塑成型机 Vertical Injection machine	ARBURG	ALLROUNDER 1200T 100	1	1
冲床 Press	AIDA	NS1-800(S)	1	1

激光刻印机 Laser Engraving Machine



激光刻印机

可在金属，塑料制品等多种材料上刻印

The laser marker

For metal or plastic

泽厘部分服务的客户 Some of customers of ZeLi

KOSTAL

Autoliv

YAZAKI

萬向集團
WANXIANGGROUP

ALFMEIER

APTIV

TW

Yanfeng
Global Automotive Interiors

SONY

KYOCERA 京瓷

TUOPU 拓普

BOSCH

KAIT

MicroPort
一个属于患者和医生的品牌
微创医疗



感谢您的观看!

THANK YOU FOR YOUR WATCHING

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