

FINEHOPE

FREE

**DMF/ A report**

**3D Design**

**Mould**

**Product Inspection Standard Setting**

**Free Product Inspection Standard Setting:**  
In addition to the usual quantification of product physical properties and appearance standards, we will add REACH, RoHS, FDA, CA-65, or CFC Free to the standards according to customer needs.

**Free Mould Opening:**  
Large order quantity with mould cost free.

**Free 3D Design:**  
Finehope help customer design the desired product or modify the design for free.

**Free DFM/A Report:**  
Finehope will show details and solutions of manufacturability and assemblability through PPT to help customers reduce trouble.



此产品由塑料制成，具有耐用、轻便、易于清洁的特点。适用于办公室、会议室、家庭等多种场景。

产品尺寸: 431x429x238 mm

重量: 约 15kg

颜色: 黑色, 灰色, 蓝色 (可根据需求定制)

材质: 优质塑料, 金属底座

产地: 中国广东

起订量: 150-200 个 / 批 3

交货期: 100 天左右

认证: CE, RoHS, EN71-3, CA65

包装: 单个包装, 适合运输



2003 年 9001 年

2021

IATF16949 年 50

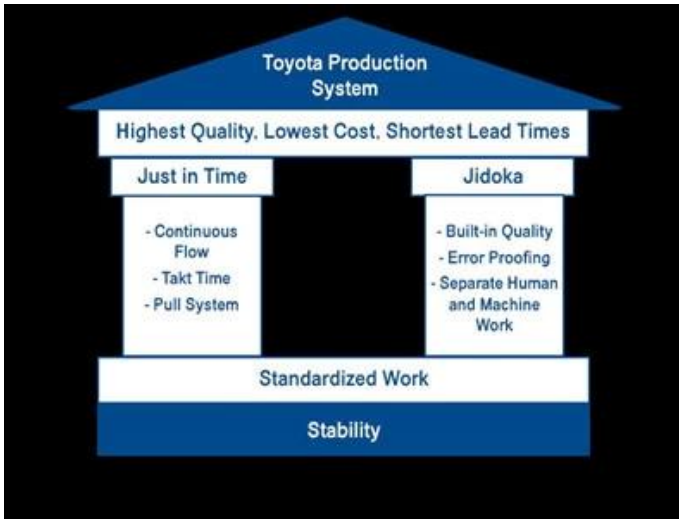
2007 年

## Our Advandages



2002 年

500



Toyota Production System (TPS) is a manufacturing system that aims to maximize efficiency and quality. It is based on the principles of Just in Time (JIT) and Jidoka. JIT focuses on reducing inventory and lead times, while Jidoka emphasizes built-in quality and error proofing. Standardized Work is a key component of TPS, ensuring consistency and stability in production. The ultimate goal of TPS is to achieve the highest quality, lowest cost, and shortest lead times.

The S.M.A.R.T. goal formula is a framework for setting effective goals. It consists of five criteria: Specific, Measurable, Attainable, Relevant, and Time-bound. Each criterion provides a clear guideline for how to define and achieve a goal. For example, a specific goal would be to increase sales by 10% in the next quarter. A measurable goal would be to reduce production costs by 5%. An attainable goal would be to improve customer satisfaction scores. A relevant goal would be to increase market share. A time-bound goal would be to launch a new product by the end of the year.

## Famous customer <<<

Cooperation experience

|   |   |
|---|---|
| <p><b>Engineering Vehicle</b></p> <p><b>BOYD CORPORATION</b> <b>TVH</b> <b>AIXAM</b></p> <p><b>Honeywell</b> <b>TIGA</b> <b>CAT</b></p> | <p><b>Medical Equipment</b></p> <p><b>Hill-Rom</b> <b>INVACARE</b> <b>MAQUET</b><br/>GETINGE GROUP</p> <p><b>DrPosture</b> <b>KiMobility</b></p>  |
| <p><b>Baby Supplies</b></p> <p><b>Bumbo Nuby</b></p> <p><b>bugaboo</b> <b>chicco</b></p> <p><b>Hatch Baby</b> <b>GRACO</b></p>          | <p><b>Fitness Equipment</b></p> <p><b>STAR TRAC</b> <b>BOWFLEX</b><br/>expect different.</p> <p><b>IB&amp;G</b> <b>ergoDRIVEN</b> <b>NUVA</b><br/>BUILDING PRODUCTS</p> <p><b>Other</b></p> <p><b>PANDORA</b> <b>CubeFit</b> <b>Knoll</b><br/>UNFORGETTABLE MOMENTS</p> |

Customer list and cooperation experience.

1. How can we improve our customer cooperation experience? We can improve our customer cooperation experience by providing better products, services, and support. We can also improve our customer cooperation experience by listening to our customers and responding to their needs. We can also improve our customer cooperation experience by being transparent and honest with our customers.







## About us











TEAM  
ACTIVITIES

Our Certification



公司荣获 2019-2020 年度 厦门市成长型中小微企业

公司于 2019 年 12 月 11 日荣获厦门市工业和信息化局颁发的“厦门市成长型中小微企业”称号。该称号旨在表彰在厦门市注册、具有独立法人资格、营业收入在 1000 万元以下、资产总额在 1 亿元以下、符合国家产业政策、信用记录良好、发展前景广阔、具有较强成长性的中小微企业。公司作为新材料领域的领军企业，始终秉承“创新驱动、绿色发展”的理念，不断提升自主创新能力，推动产业转型升级，为厦门市经济社会高质量发展做出了积极贡献。

公司荣获 2020-2022 年度 厦门市专精特新中小企业

公司于 2020 年 12 月 11 日荣获厦门市工业和信息化局颁发的“厦门市专精特新中小企业”称号。该称号旨在表彰在厦门市注册、具有独立法人资格、营业收入在 1000 万元以下、资产总额在 1 亿元以下、符合国家产业政策、信用记录良好、发展前景广阔、具有较强成长性的专精特新中小企业。公司作为新材料领域的领军企业，始终秉承“创新驱动、绿色发展”的理念，不断提升自主创新能力，推动产业转型升级，为厦门市经济社会高质量发展做出了积极贡献。

公司荣获 2019-2021 年度 厦门市科技小巨人领军企业

公司于 2019 年 12 月 11 日荣获厦门市工业和信息化局颁发的“厦门市科技小巨人领军企业”称号。该称号旨在表彰在厦门市注册、具有独立法人资格、营业收入在 1000 万元以下、资产总额在 1 亿元以下、符合国家产业政策、信用记录良好、发展前景广阔、具有较强成长性的科技小巨人领军企业。公司作为新材料领域的领军企业，始终秉承“创新驱动、绿色发展”的理念，不断提升自主创新能力，推动产业转型升级，为厦门市经济社会高质量发展做出了积极贡献。



公司荣获多项荣誉，体现了公司在技术创新、质量管理、安全生产等方面取得的成就。

公司通过了ISO 9001质量管理体系认证、ISO 14001环境管理体系认证、ISO 45001职业健康安全管理体系认证。

公司通过了安全生产标准化二级企业认证，体现了公司在安全生产管理方面的卓越表现。

2018年，公司荣获福建省科技型中小企业称号。2019年，公司荣获厦门市成长型中小微企业称号。2020年，公司荣获厦门市专精特新中小企业称号。2021年，公司荣获厦门市科技小巨人领军企业称号。这些荣誉的获得，离不开广大员工的辛勤工作和社会各界的支持。

公司始终坚持以技术创新为驱动，不断提升产品质量和管理水平。通过引入先进的质量管理体系，公司实现了产品质量的稳定提升。同时，公司高度重视安全生产，通过建立健全的安全生产管理体系，有效防范了各类安全事故的发生。未来，公司将继续加大研发投入，推动技术创新，为行业发展做出更大的贡献。

公司始终坚持以安全生产为底线，通过建立健全的安全生产管理体系，有效防范了各类安全事故的发生。未来，公司将继续加大安全生产投入，提升安全生产管理水平，为公司的可持续发展提供坚实的保障。我们将始终秉承“安全第一、预防为主”的方针，确保每一位员工的生命安全和身体健康。



公司通过了福建省排污许可证，符合国家环保要求，体现了公司在环保管理方面的规范性和先进性。

公司通过了第三方供应商认证，体现了公司在产品质量、交付能力、售后服务等方面的卓越表现。



# Quality Assurance



UNIVERSAL TESTING MACHINE(UTM)



Tensile Test



Tear Resistance Test



Compressive Strength



Indentation Force Deflection

## INSPECTION STANDARD

## MATERIAL PERFORMANCE TEST REPORT

**Finehope**  
**Test Report** No. 00201405201 Date: 20140520 Page 1/4  
 Customer: CUSTOMER SERVICE DEPARTMENT

The following samples were submitted and identified by/on behalf of the client as:

Sample Description: UHMW and MHD (underdevelopment)  
 Material No.: 1  
 Other info.: 1  
 Sample Processing Date: 20140514  
 Working Process: 20140520

**Test Method**

- 001 ASTM D2014-2011 Test of Density, Test Agency
- 002 ASTM D2014-2011 Test of Density, Test Agency
- 003 ASTM D2014-2011 Test of Density, Test Agency
- 004 ASTM D2014-2011 Test of Density, Test Agency
- 005 ASTM D2014-2011 Test of Density, Test Agency
- 006 ASTM D2014-2011 Test of Density, Test Agency
- 007 ASTM D2014-2011 Test of Density, Test Agency
- 008 ASTM D2014-2011 Test of Density, Test Agency
- 009 ASTM D2014-2011 Test of Density, Test Agency
- 010 ASTM D2014-2011 Test of Density, Test Agency
- 011 ASTM D2014-2011 Test of Density, Test Agency
- 012 ASTM D2014-2011 Test of Density, Test Agency
- 013 ASTM D2014-2011 Test of Density, Test Agency
- 014 ASTM D2014-2011 Test of Density, Test Agency
- 015 ASTM D2014-2011 Test of Density, Test Agency
- 016 ASTM D2014-2011 Test of Density, Test Agency
- 017 ASTM D2014-2011 Test of Density, Test Agency
- 018 ASTM D2014-2011 Test of Density, Test Agency
- 019 ASTM D2014-2011 Test of Density, Test Agency
- 020 ASTM D2014-2011 Test of Density, Test Agency

**Finehope**  
**Test Report** No. 00201405201 Date: 20140520 Page 2/4  
 Customer: CUSTOMER SERVICE DEPARTMENT

**Test Result**

| No. | Test Item  | Unit              | Test Standard | Customer Requirement | Customer Sample Result | Customer Sample Unit |
|-----|------------|-------------------|---------------|----------------------|------------------------|----------------------|
| 1   | Density    | g/cm <sup>3</sup> | ASTM D2014    | 1.10                 | 1.10                   | 1.10                 |
| 2   | Hardness   | HR                | ASTM D2014    | 50                   | 50                     | 50                   |
| 3   | Strength   | MPa               | ASTM D2014    | 10                   | 10                     | 10                   |
| 4   | Impact     | J/m <sup>2</sup>  | ASTM D2014    | 10                   | 10                     | 10                   |
| 5   | Modulus    | GPa               | ASTM D2014    | 1.0                  | 1.0                    | 1.0                  |
| 6   | Creep      | %                 | ASTM D2014    | 1.0                  | 1.0                    | 1.0                  |
| 7   | Relaxation | %                 | ASTM D2014    | 1.0                  | 1.0                    | 1.0                  |

**FIG:**

- In order to make the strength of two steel rods can be compared, see the test specimen in the same background color. The red rod is the test specimen in the same background color. The blue rod is the test specimen in the same background color.
- For the specific grade value in the above test result, it is the value of specimen with size in one side, and the actual value of the whole sample.

**Finehope**  
**Test Report** No. 00201405201 Date: 20140520 Page 3/4  
 Customer: CUSTOMER SERVICE DEPARTMENT

**Sketch Picture**

100 pictures is only used with the Serial Report from Finehope.

|                        |  |
|------------------------|--|
| <b>Customer</b>        |  |
| <b>Location</b>        | New Zealand  |
| <b>Customer Code</b>   | G1019  |
| <b>Risk Assessment</b> |  |
| <b>New:</b>            | Site <input type="checkbox"/> Technology <input type="checkbox"/> Process <input type="checkbox"/> |
| <b>Other Risks</b>     | <input type="checkbox"/>   |

|                          |            |
|--------------------------|------------|
| <b>Project</b>           |            |
| <b>Finehope Contact</b>  | Wendy Yang |
| <b>Part No.</b>          |            |
| <b>Part Name</b>         | G1019Y04   |
| <b>Change Level/Date</b> |            |
| <b>User Plant(s)</b>     | Finehope   |

| Core Team Members | Company/Title   | Phone/Fax/E-Mail   |
|-------------------|-----------------|--------------------|
| Tiger Xu          | G.M.            |                    |
| Yibin Lim         | Vice G.M.       |                    |
| Cindy Wu          | Sales Manager   | cindy@finehope.com |
| Liangquan Wan     | Project Manager |                    |
| Wendy Yang        | Sales           | wendy@finehope.com |

| Build Level                 | Material Required Date | Quantity | No. Concurrent |        |
|-----------------------------|------------------------|----------|----------------|--------|
|                             |                        |          | SRs            | Majors |
| Product Design and Develop  | 21-Jun-21              | 10       |                |        |
| Product and Process Validat | 25-Jun-21              | 15       |                |        |

| APQP Deliverable   | Finehope APQP Reference Only | G<br>Y<br>R | Project Need Date | Supplier Timing Date | Actual Closure Date | Supplier Lead Resp Inits | Finehope Acceptance Complete | Remarks or Assistance Required |
|--|------------------------------|-------------|-------------------|----------------------|---------------------|--------------------------|------------------------------|--------------------------------|
|  |                              |             |                   |                      |                     |                          |                              |                                |
| 1. Project Timeline (Synchronized w/Production Time Plan)      | 2030                         | G           | 20-Jun-21         | 21-Jun-21            | 21-Jun-21           | 22-Jun-21                | 23-Jun-21                    | /                              |
| 2. Customer Inputs / Requirements                              | 2030                         | G           | 23-Jun-21         | 24-Jun-21            | 24-Jun-21           | 25-Jun-21                | 26-Jun-21                    | /                              |
| 3. Warranty & Quality Mitigation Plan                          | 2030                         | G           | 24-Jun-21         | 25-Jun-21            | 25-Jun-21           | 26-Jun-21                | 27-Jun-21                    | /                              |
| 4. Customer Specific Requirements                              | 2030                         | G           | 25-Jun-21         | 26-Jun-21            | 26-Jun-21           | 27-Jun-21                | 28-Jun-21                    | /                              |
| 5. Design FMEA   | 2080                         | G           | 26-Jun-21         | 27-Jun-21            | 27-Jun-21           | 28-Jun-21                | 29-Jun-21                    | /                              |
| 6. Preliminary Bill of Materials (BOM)                         | 2030                         | G           | 27-Jun-21         | 28-Jun-21            | 28-Jun-21           | 29-Jun-21                | 30-Jun-21                    | /                              |
| 7. Prototype Control Plans                                     | 2110                         | G           | 28-Jun-21         | 29-Jun-21            | 29-Jun-21           | 30-Jun-21                | 1-Jul-21                     | /                              |
| 8. Prototype Builds  | 2110                         | G           | 29-Jun-21         | 30-Jun-21            | 30-Jun-21           | 1-Jul-21                 | 2-Jul-21                     | /                              |
| 9. Design Verification Plan & Report (DVP&R)                   | 2120                         | G           | 30-Jun-21         | 1-Jul-21             | 1-Jul-21            | 2-Jul-21                 | 3-Jul-21                     | /                              |
| 10. Design / Process Review                                    | 2130                         | G           | 1-Jul-21          | 2-Jul-21             | 2-Jul-21            | 3-Jul-21                 | 4-Jul-21                     | /                              |
| 11. Team Feasibility Commitment                                | 2130                         | G           | 2-Jul-21          | 3-Jul-21             | 3-Jul-21            | 4-Jul-21                 | 5-Jul-21                     | /                              |
| 12. APQP Status Sub-Supplier                                   | 2130                         | G           | 3-Jul-21          | 4-Jul-21             | 4-Jul-21            | 5-Jul-21                 | 6-Jul-21                     | /                              |
| 13. Production Drawing & Specifications                        | 2220                         | G           | 4-Jul-21          | 5-Jul-21             | 5-Jul-21            | 6-Jul-21                 | 7-Jul-21                     | /                              |
| 14. Subcontractor Purchase Orders (Customer Tooling)           | 2220                         | G           | 5-Jul-21          | 6-Jul-21             | 6-Jul-21            | 7-Jul-21                 | 8-Jul-21                     | /                              |
| 15. Facilities, Equipment, Tools and Gages                     | 2260                         | G           | 6-Jul-21          | 7-Jul-21             | 7-Jul-21            | 8-Jul-21                 | 9-Jul-21                     | /                              |
| AIAG APQP Phase 3 - Process Design and Development             |                              |             |                   |                      |                     |                          |                              |                                |
| 16. Product/Process and Quality System Review                  | 3030                         | G           | 9-Jul-21          | 10-Jul-21            | 10-Jul-21           | 10-Jul-21                | 11-Jul-21                    | /                              |
| 17. Manufacturing Process Flow Chart                           | 3040                         | G           | 11-Jul-21         | 12-Jul-21            | 12-Jul-21           | 12-Jul-21                | 13-Jul-21                    | /                              |
| 18. Process FMEA   | 3100                         | G           | 13-Jul-21         | 14-Jul-21            | 14-Jul-21           | 14-Jul-21                | 15-Jul-21                    | /                              |
| 19. Pre-Launch Control Plan                                    | 3110                         | G           | 15-Jul-21         | 16-Jul-21            | 16-Jul-21           | 16-Jul-21                | 17-Jul-21                    | /                              |
| 20. Process Work Instructions                                  | 3120                         | G           | 17-Jul-21         | 18-Jul-21            | 18-Jul-21           | 18-Jul-21                | 19-Jul-21                    | /                              |
| 21. Measurement Systems Evaluation                             | 3130                         | G           | 19-Jul-21         | 20-Jul-21            | 20-Jul-21           | 20-Jul-21                | 21-Jul-21                    | /                              |
| 22. Packaging Specifications & Approvals                       | 3160                         | G           | 21-Jul-21         | 22-Jul-21            | 22-Jul-21           | 22-Jul-21                | 23-Jul-21                    | /                              |
| 23. Manufacturing Team Training                                | 3170                         | G           | 23-Jul-21         | 24-Jul-21            | 24-Jul-21           | 24-Jul-21                | 25-Jul-21                    | /                              |
| AIAG APQP Phase 4 - Product and Process Validation             |                              |             |                   |                      |                     |                          |                              |                                |
| 24. Subcontractor PPAP Approval                                | 4005                         | G           | 9-Jul-21          | 10-Jul-21            | 10-Jul-21           | 10-Jul-21                | 11-Jul-21                    | /                              |
| 25. Production Control Plan                                    | 4008                         | G           | 11-Jul-21         | 12-Jul-21            | 12-Jul-21           | 12-Jul-21                | 13-Jul-21                    | /                              |
| 26. Production Readiness Review (PRR)                          | 4009                         | G           | 13-Jul-21         | 14-Jul-21            | 14-Jul-21           | 14-Jul-21                | 15-Jul-21                    | /                              |
| 27. Production Trial Run (PTR)                                 | 4010                         | G           | 15-Jul-21         | 16-Jul-21            | 16-Jul-21           | 16-Jul-21                | 17-Jul-21                    | /                              |
| 28. Process Capability Studies                                 | 4030                         | G           | 17-Jul-21         | 18-Jul-21            | 18-Jul-21           | 18-Jul-21                | 19-Jul-21                    | /                              |
| 29. Production Validation Plan & Report (PV&R)                 | 4090                         | G           | 19-Jul-21         | 20-Jul-21            | 20-Jul-21           | 20-Jul-21                | 21-Jul-21                    | /                              |
| 30. Production Part Approval (PPAP)                            | 4110                         | G           | 21-Jul-21         | 22-Jul-21            | 22-Jul-21           | 22-Jul-21                | 23-Jul-21                    | /                              |
| AIAG APQP Phase 5 - Feedback, Assessment and Corrective Action |                              |             |                   |                      |                     |                          |                              |                                |
| 31. Initial Production Shipment                                | 5005                         | G           | 20-Jul-21         | 30-Jul-21            | 30-Jul-21           | 30-Jul-21                | 31-Jul-21                    | /                              |
| 32. Production Ramp-up Plan                                    | 5005                         | G           | 31-Jul-21         | 2-Aug-21             | 2-Aug-21            | 2-Aug-21                 | 3-Aug-21                     | /                              |
| 33. Full Production Date                                       | 5005                         | G           | 5-Aug-21          | 7-Aug-21             | 7-Aug-21            | 7-Aug-21                 | 8-Aug-21                     | /                              |
| 34. Conduct Lessons Learned                                    | 5005                         | G           | 8-Aug-21          | 10-Aug-21            | 10-Aug-21           | 10-Aug-21                | 11-Aug-21                    | /                              |

## Design Failure Mode and Effects Analysis (Design FMEA)

FMEA No.:  
DFMEA-001

Page: page 1, totally 3 pages  
Made: Xiaodong Qiu

Product Name: Injection moulding

Procedure responsible dept: Production Dept

Model year/vehicle types: CRV

Soybean Milk Maker

Important date: Nov.10th,2015

FMEA Date: Nov.10th,2015

People participated: Develop dept:GaoLin Wei

Sales:Haiyan Wu

PC:Jiannan Yan

Technology Dept:Jianyu Zhou

Purchaser:Yuanyuan Gou

Production dept:Shuwen Dong

QC:Bingxiang Zheng

| procedure function requirements | Potential failure mode    | Potential effects analysis | severity (S) | grade | potential causes/mechanisms of failure   | frequency (O) | Current prevention process control   | Current detection process control | detection (D) | RPN | recommended measures  | Responsibility and target completion date | action results  |               |                        |     |    |
|---------------------------------|---------------------------|----------------------------|--------------|-------|--|---------------|--|-----------------------------------|---------------|-----|---|---|---|---------------|------------------------|-----|----|
|                                 |                           |                            |              |       |  |               |  |                                   |               |     |   |   | severity (S)  | frequency (O) | difficult to check (D) | RPN |    |
| scyphus                         | size changes of handle    | handle cover fall off      | 6            | A     | PP size change   | 6             | By adjusting the product of the injection molding process, and measure or test the clasp of product size | measure and test product size     | 3             | 108 | Add the number of button bit in handle design, in order to keep the connection strength                     | Xiaodong Qiu<br>2015/08/25                | By adjusting the product of the injection molding process, and measure or test product size | 6             | 1                      | 1   | 6  |
| scyphus                         | warping of scyphus handle | Poor appearance break      | 4            | C     | high handle wall   | 6             | Add the stiffener to handle wall to prevent deformation  | measure and test product size     | 2             | 48  | if this problem appears, make improvement by Adding the stiffener   | Xiaodong Qiu<br>2015/09/30                | Add the stiffener to handle wall to prevent deformation                                     | 4             | 2                      | 1   | 8  |
| scyphus                         | Deformation of cup-mouth  | Micro switch without power | 8            | A     | PP material deformation, Resulting in a perpendicular direction to connect the cup and handle inward deformation, So that both sides of the 球, the micro switch column opposite sink., and | 3             | Adjust the injection molding process, to prevent extrusion   | measure and test cup-mouth size   | 3             | 72  | in the cup packing control the direction of the lateral dimension of no force, stipulate the way of packing | Xiaodong Qiu<br>2015/09/10                | stipulate the cup use egg cell methods to put the packing which do not squeeze each other   | 8             | 1                      | 3   | 24 |

H-R-P-001-1

## Process Failure Mode and Effects Analysis (PFMEA)

### 潜在失效模式和后果分析

FMEA No.FMEA20150325-01

Page 3

Maint:Wenhong-Huang

FMEA Date (Original):2015.03.25

Item:Welding Improvement

Process Responsibilities: Production welding group

Model year/project

Key Dates

| Item<br>项目 | Potential failure mode<br>潜在失效模式   | Potential consequences of failure modes<br>失效后果/模式潜在后果   | Severity<br>严重度 | Grade<br>等级 | Potential causes of failure<br>失效的潜在原因  | Occurrence degree<br>发生度 | Current process control and prevention<br>现行过程控制/预防   | Current process control detection<br>现行过程控制/检测                             | Detection rate<br>检测率 | RPN | Suggest measures<br>建议措施   | Responsibility and target completion date<br>负责人及目标完成日期 | Measure results/测量结果                   |                 |                       |                          |
|------------|--|--|-----------------|-------------|---|--------------------------|---|--|-----------------------|-----|--|---|--|-----------------|-----------------------|--------------------------|
|            |  |  |                 |             |   |                          |   |  |                       |     |  |   | Measures and effective date<br>措施及有效日期 | Severity<br>严重度 | Incidence rate<br>发生率 | Detection degree<br>可检测度 |
|            | Clamping is not in place<br>夹紧不到位  | Welding error, leak, welding deviation, affect the assembly or use function<br>焊接错误、漏焊、焊接偏差, 影响装配或使用功能 | 8               | B           | ● Staff negligence<br>人员疏忽<br>● Failure for bad<br>器具/设备不良                                    | 4                        | ● Make the operation standard book<br>制定作业指导书<br>● Make maintenance standards, regular maintenance<br>制定保养标准, 定期保养, 维护<br>● Regular checking of fixture<br>定期检查夹具 | ● Visual inspection<br>目视检测<br>● Finished 100% full inspection<br>完成100%全检 | 6                     | 144 | ● Pre-service training of staff<br>岗前培训<br>● Regular maintenance<br>定期维护<br>● Regular maintenance<br>定期维护  |   | 6                                      | 3               | 4                     | 72                       |
|            | Clamping (clamping required is in place, no missing or wrong loaded)<br>夹紧(夹紧要求在位, 无漏装/错装) | Welding error, leak, welding deviation, affect the assembly or use function<br>焊接错误、漏焊、焊接偏差, 影响装配或使用功能 | 8               | A           | ● Staff negligence<br>人员疏忽<br>● Failure for bad<br>器具/设备不良<br>● Failure inaccurate<br>器具定位不准确 | 4                        | ● Make the operation standard book<br>制定作业指导书<br>● Make maintenance standards, regular maintenance<br>制定保养标准, 定期保养, 维护<br>● Regular checking of fixture<br>定期检查夹具 | Visual inspection<br>目视检测  | 6                     | 192 | ● Pre-service training of staff<br>岗前培训<br>● Regular maintenance<br>定期维护<br>● Make inspection checklist for fixture<br>制定夹具检查清单                      |   | 8                                      | 3               | 4                     | 96                       |
|            | Attachments missing<br>附件缺失  | Affect product strength or influence the assembly<br>影响产品强度或影响装配                                       | 8               | A           | Staff negligence<br>作业人员疏忽  | 3                        | Make the operation standard book<br>制定作业指导书   | Visual inspection<br>目视检测  | 4                     | 96  | Final inspection personnel do 100% full inspection for each bead with man<br>终检人员100%全检, 双人  |   | 8                                      | 2               | 2                     | 32                       |
|            | Attachment error<br>附件错误   | Influence assembly<br>影响装配   | 7               | A           | No mistake proofing fixture<br>无防错夹具  | 3                        | Make the operation standard book<br>制定作业指导书   | Visual inspection<br>目视检测  | 6                     | 126 | ● Increase the mistake proofing devices<br>增加防错装置<br>● Inspection for final inspection tools<br>终检工具检查   |   | 7                                      | 2               | 4                     | 56                       |
|            | False welding<br>假焊  | Lack of strength, affect the use of function<br>强度不足, 影响使用功能   | 9               | A           | Current, voltage, welding angle, speed setting is not reasonable<br>电流、电压、焊接角度、速度设置不合理        | 4                        | ● Welding process guidance making<br>制定焊接工艺指导书<br>● Condition confirmation check<br>作业条件确认<br>● Confirm the failure test on a regular basis<br>定期确认失效试验           | Destructive testing<br>破坏性试验   | 8                     | 288 | After the procedure is set up to confirm the processing conditions, the execution and marking of the failure test is performed.<br>工序设置完成后确认加工条件, 确认 |   | 9                                      | 3               | 4                     | 108                      |

## Production Device

### KRAUSS MAFFEI

Finehope has successively introduced many of the world's most advanced German KraussMaffei high-pressure injection machines since 2010.



Reaction Injection Molding (RIM) High Pressure Machine  
KRAUSS MAFFEI  
Made in Germany!



### Self-invented fully automatic production line

Finehope has independently developed a number of fully automatic P-U injection production lines since 2010. These production lines reduce production costs and meet customer delivery requirements.



### Welding Robots



Since 2016, Finehope has continued to purchase welding robots and automatic fixture turntables for welding metal parts. The independent processing of accessories saves the waiting time and procurement cost of outsourcing processing.

### CNC Machine

Finehope has continued to purchase CNC equipment since 2016. CNC (Computer Numerically Controlled) machining is a manufacturing process in which pre-programmed computer software dictates the movement of factory tools and machinery. Using this type of machine versus manual machining can result in improved accuracy, increased production speeds, enhanced safety, increased efficiency and most importantly, help customers save costs and improve product quality.



### Mould Release Agent Painting Robot



Since 2019, Finehope has purchased robots for spraying water-based release agents to improve the working environment, improve spraying quality and material utilization, and reduce labor costs.

### 3D printer

Finehope started to purchase 3D printers in 2015. 3D printing can realize rapid proofing of new product prototypes and templates for resin molds, and can also be used for faster and cheaper small batch production.







# Social Responsibility

- **Audited by Sedex**

(Supplier business ethics information exchange )

Labor standard · health and safety · Environmental protection · Business ethics practice

- **Public-spirited**



Voluntary tree planting after Super Typhoon Meranti in 2016

## A VALUE-BASED COMPANY

