

**DMF/ A
report****FREE****Mould****3D Design****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.

[illegible]

產品名稱: 運動型安全頭盔
 規格: M, L, XL, 顏色
 產品編號: 運動安全頭盔
 價格: 180-300 元 / 個 3
 產地: 中國
 用途: 運動, 登山, 騎行, 各種戶外活動 適合 各種 運動 項目
 特點: 輕 重量 耐用 舒適
 認證標準: 符合 國際 安全 標準 認證 合格
 包裝: 每個 包裝 內含 說明 書
 數量: 50
 材料: RoHS, 符合, EN71-3, CA65
 備註: 歡迎 垂詢, 價格 另議



本公司於 2003 年通過國際標準 9001 認證，並於 2011 年通過 ISO 9001 認證。

2011 年：

本公司通過 ISO 9001 認證，並於 2011 年通過 ISO 9001 認證。IATF16949 認證，並於 2011 年通過 ISO 9001 認證。50 年以來，本公司一直致力於提供高品質的產品和服務。

2007 年，本公司通過 ISO 9001 認證，並於 2011 年通過 ISO 9001 認證。2007 年，本公司通過 ISO 9001 認證，並於 2011 年通過 ISO 9001 認證。2007 年，本公司通過 ISO 9001 認證，並於 2011 年通過 ISO 9001 認證。

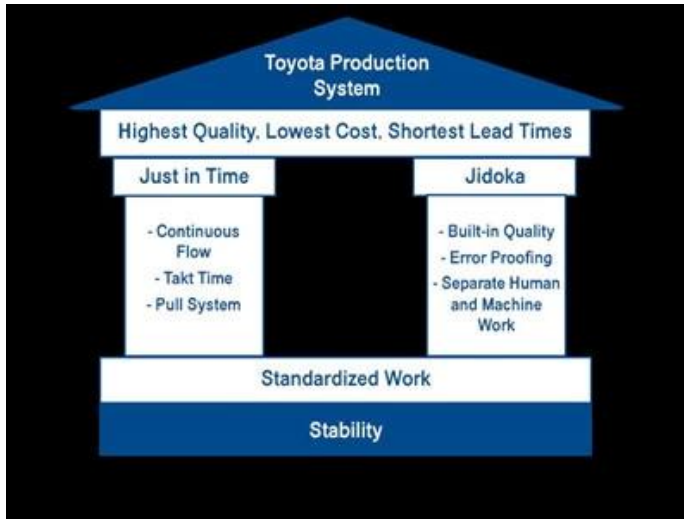
Our Advantages



本公司於 2002 年，通過國際標準 9001 認證，並於 2011 年通過 ISO 9001 認證。本公司於 2002 年，通過國際標準 9001 認證，並於 2011 年通過 ISO 9001 認證。本公司於 2002 年，通過國際標準 9001 認證，並於 2011 年通過 ISO 9001 認證。



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Toyota Production System (TPS) is a manufacturing system that aims to achieve the highest quality, lowest cost, and shortest lead times. It is based on the principles of Just in Time (JIT) and Jidoka. JIT focuses on continuous flow, takt time, and a pull system. Jidoka focuses on built-in quality, error proofing, and separating human and machine work. These principles are supported by standardized work and stability.

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 a goal that is achievable and meaningful.

Famous customer <<<

Cooperation experience

Engineering Vehicle	Medical Equipment
Baby Supplies	Fitness Equipment Other

1. What are the main goals of the project?

1. The main goals of the project are to improve the quality of the product, reduce the cost, and shorten the lead time. These goals are achieved by implementing the Toyota Production System (TPS) and the S.M.A.R.T. goal formula.

[illegible]

2. 如何设计一个算法，使得在 O(n) 时间内，找出数组中所有出现次数为奇数的元素？

- [illegible]

3. □□□□□□ □□ □□□□□ □□□□□□ □□ □□□ □□□□ □□□□ □□□?

- 1) **பெற்றோர் பங்கேற்பு:** பெற்றோர் பங்கேற்பின் மூலம் (பெற்றோர் பங்கேற்பு)
- 2) **பெற்றோர் பங்கேற்பு** பற்றி பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம்
- 3) **பெற்றோர் பங்கேற்பின் மூலம்** பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம்
- 4) **பெற்றோர் பங்கேற்பின் மூலம்** பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம்
- 5) **பெற்றோர் பங்கேற்பின் மூலம்** பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம் பெற்றோர் பங்கேற்பின் மூலம்

4. □□□□□□ □□ □□□□□□ □□ □□.□□. □□□□□□ □□ □□□ □□□□ □□□□ □□□□?

- 1) Өзіндік жұмыс орындауға қажетті құрал-жабдықтарды дайындау
- 2) Өзіндік жұмыс орындау
- 3) Өзіндік жұмыс орындауға қажетті құрал-жабдықтарды дайындау
- 4) Өзіндік жұмыс орындау

5. 如何選擇合適的數據類型？



About us







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 15 日荣获 2019-2020 年度 厦门市成长型中小微企业 称号。该称号由厦门市工业和信息化局、厦门市中小企业发展促进会联合颁发。公司作为高新技术企业，在技术创新、市场开拓等方面表现突出，符合成长型中小微企业的认定标准。

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 15 日荣获 2020-2022 年度 厦门市专精特新中小企业 称号。该称号由厦门市工业和信息化局、厦门市中小企业发展促进会联合颁发。公司作为高新技术企业，在技术创新、市场开拓等方面表现突出，符合专精特新中小企业的认定标准。

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 15 日荣获 2019-2021 年度 厦门市科技小巨人领军企业 称号。该称号由厦门市科学技术局、厦门市中小企业发展促进会联合颁发。公司作为高新技术企业，在技术创新、市场开拓等方面表现突出，符合科技小巨人领军企业的认定标准。

2007 年 10 月 1 日，中国国民党主席马英九在台北发表讲话，表示国民党将秉持“一个中国”原则，推动两岸关系和平发展。马英九指出，国民党将坚持九二共识，反对任何分裂国家的行为，并致力于实现两岸和平统一。

2007 年 10 月 1 日，中国国民党主席马英九在台北发表讲话，表示国民党将秉持“一个中国”原则，推动两岸关系和平发展。马英九指出，国民党将坚持九二共识，反对任何分裂国家的行为，并致力于实现两岸和平统一。



Quality Assurance



UNIVERSAL TESTING MACHINE(UTM)



Tensile Test



Tear Resistance Test



Compressive Strength



Indentation Force Deflection

INSPECTION STANDARD



MATERIAL PERFORMANCE TEST REPORT



Customer			
Location	New Zealand		
Customer Code	G1019		
Risk Assessment			
New:	Site ☐	Technology ☐	Process ☐
Other Risks	☐		

Project			
Finehope Contact	Wendy Yang		
Part No.			
Part Name	G1019Y04		
Change Level/Date			
User Plant(s)	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	
			SRCs	Majors
Product Design and Development	21-Jun-21	10		
Product and Process Validation	25-Jun-21	15		

APQP Deliverable	Finehope APQP Reference Only	G Y R	Project Need Date	Supplier Timing Date	Actual Closure Date	Supplier Lead Resp Initials	Finehope Acceptance Complete	Remarks or Assistance Required
AIAG APQP Phase 2 - Product Design and Development								
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	28-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

FMEA Date: Nov.10th.2015

Product Name: Injection moulding

Procedure responsible dept: Production Dept

Model year/vehicle types: CRV

Soybean Milk Maker

Important 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/mechanism of failure	frequency (O)	Current prevention process control	Current detection process control	detection (D)	RPN	recommended measures	Responsibility and target completion date	Action Taken	severity (S)	frequency (O)	difficult to check (D)	RPN
scaphus	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 2015/08/25	By adjusting the product of the injection molding process, and measure or test product size	6	1	1	6
scaphus	warping of scaphus 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 2015/09/30	Add the stiffener to handle wall to prevent deformation	4	2	1	8
scaphus	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 bit, 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 2015/09/10	stipulate the cup packing control the direction of the lateral dimension of no force, stipulate the way of packing	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

Maker:Wenhong-Huang

FMEA Date (Original):2015.03.25

Item:Welding Improvement

Process Responsibilities: Production welding group

Model year/project

Key Dates

Item	Potential failure mode	Potential consequences of failure modes	Severity	Grade	Potential causes of failure	Occurrence degree	Current process control and prevention	Current process control detection	Detection rate	RPN	Suggest measures	Responsibility and target completion date	Measure results	Severity	Incidence rate	Detection degree	RPN
Request	Size/NG	Size/NG	6	B	● Staff negligence ● Failure for bad ● Failure for bad	4	● Make the operation standard book ● Make maintenance standards, regular maintenance ● Make the operation standard book ● Make maintenance standards, regular maintenance ● Regular checking of future	● Visual inspection ● Finished 100% full inspection ● Visual inspection ● Finished 100% full inspection	6	144	● Pre-service training of staff ● Regular maintenance ● Regular maintenance ● Make inspection checklist for future			6	3	4	72
Clamping is not in place	Welding error, leak welding, affect the assembly or use function	Welding error, leak welding, affect the assembly or use function	8	A	● Staff negligence ● Failure for bad ● Failure for bad ● Failure for bad	4	● Make the operation standard book ● Make maintenance standards, regular maintenance ● Regular checking of future	● Visual inspection ● Finished 100% full inspection	6	192	● Pre-service training of staff ● Regular maintenance ● Regular maintenance ● Make inspection checklist for future			8	3	4	96
Attachme nts missing	Affect product strength or influence the assembly	Affect product strength or influence the assembly	8	A	Staff negligence	3	Make the operation standard book	Visual inspection	4	96	Final inspection personnel do 100% full inspection for each bead with man			8	2	2	32
Attachme nt error	Influence assembly	Influence assembly	7	A	No mistake proofing future	3	Make the operation standard book	Visual inspection	6	126	● Increase the mistake proofing devices ● Inspection for final inspection tools			7	2	4	56
False welding	Lack of strength, affect the use of function	Lack of strength, affect the use of function	9	A	Current, voltage, welding angle, speed setting is not reasonable	4	● Welding process guidance ● Condition confirmation check ● Confirm the failure test on a regular basis	Destructive testing	8	288	After the procedure is set up to confirm the processing conditions, the execution and marking of the failure test is performed			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

CUSTOMER FIRST

TEAMWORK

EMBRACE CHANGES

PASSION

INTEGRITY

COMMITMENT