

Finehope



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本公司於 2003 年 取得 ISO 9001 國際標準認證

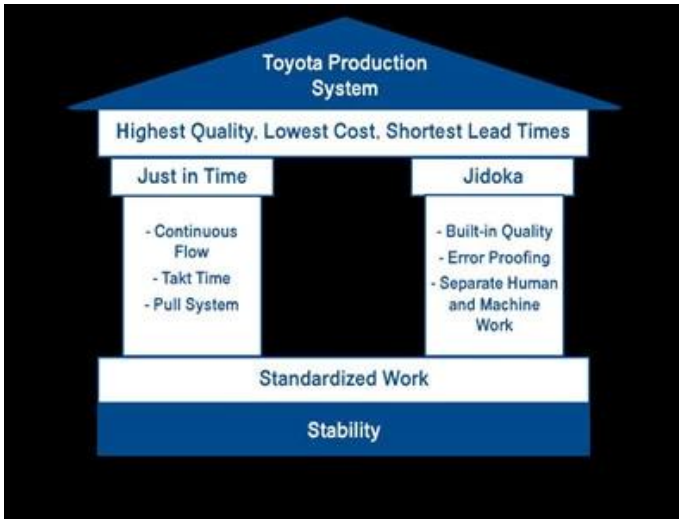
IATF16949 國際認證：
 本公司於 2021 年取得 IATF16949 國際認證，這是全球製造業最嚴格的認證標準，涵蓋了 50 多個行業，包括汽車、航空航天、醫療器械、工業機械等。獲得此認證，證明我們在產品質量、生產過程、交付及服務方面均符合國際最高標準。此外，我們還於 2007 年獲得了 ISO 14001 環境管理體系認證，確保我們的生產活動符合環保要求。

>>> Our Advandages



本公司自 2002 年以來，一直致力於提升產品質量與生產效率。通過不斷引進先進設備與技術，我們已建立起完善的生產管理體系。此外，我們還積極參與行業交流與合作，與多家知名企業建立了長期穩定的供應關係。憑藉著卓越的产品品質與完善的售後服務，我們已成為眾多客戶的首選供應商。

在生產設備方面，我們擁有先進的自動生產線，配備了多台工業級機器人，確保了生產過程的精確與穩定。同時，我們還設有先進的檢測設備，對生產過程中的每一道工序進行嚴格監控。此外，我們還擁有 500 多名專業技術人員，他們具備豐富的行業經驗，能夠為客戶提供全方位的技术支持與服務。



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 continuous flow, takt time, and a pull system. Jidoka focuses on built-in quality, error proofing, and separating human and machine work. Standardized work is a key component of TPS, and stability is the foundation of the system.

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.

Famous customer

Cooperation experience



Customer list

1. What are the main products of CAT?

CAT is a leading manufacturer of industrial equipment, including forklifts, trucks, and other heavy machinery. The company is known for its reliability and performance in various industries. CAT products are widely used in construction, agriculture, and manufacturing.



About us







Our Certification



公司荣获 2019-2020 年度 厦门市成长型中小微企业

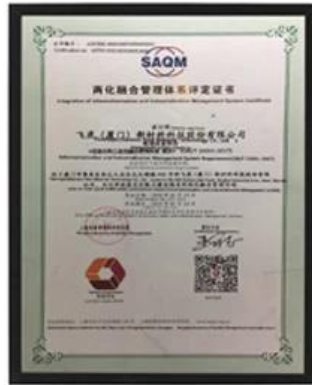
公司于 2019 年“厦门市成长型中小微企业”评选中，荣获“厦门市成长型中小微企业”称号。该称号旨在表彰在厦门市经济建设中做出突出贡献，具有较强成长性、创新性和竞争力的中小微企业。公司作为新材料领域的领军企业，始终坚持以技术创新为驱动，不断提升产品质量和服务水平，为厦门市乃至全国的经济社会发展做出了积极贡献。

公司荣获 2020-2022 年度 厦门市专精特新中小企业

公司于 2020 年“厦门市专精特新中小企业”评选中，荣获“厦门市专精特新中小企业”称号。该称号旨在表彰在厦门市经济建设中做出突出贡献，具有较强专业性、创新性、差异化和成长性的中小企业。公司作为新材料领域的领军企业，始终坚持以技术创新为驱动，不断提升产品质量和服务水平，为厦门市乃至全国的经济社会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

2019 年，公司荣获“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经济建设中做出突出贡献，具有较强科技含量、创新能力和市场竞争力的科技型企业。公司作为新材料领域的领军企业，始终坚持以技术创新为驱动，不断提升产品质量和服务水平，为厦门市乃至全国的经济社会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。

公司通过了福建省高新技术企业认定，并入选厦门市科技小巨人领军企业。

2018年，公司荣获福建省高新技术企业认定，并入选厦门市科技小巨人领军企业。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SAQM（安全质量管理体系）认证，认证范围包括：新材料的研发、生产、销售及服务。公司通过了福建省高新技术企业认定，并入选厦门市科技小巨人领军企业。

公司通过了福建省高新技术企业认定，并入选厦门市科技小巨人领军企业。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。



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2007 年，中國政府對西藏問題採取了強硬立場，並重申了「西藏問題是中國內政，不容任何外國干涉」的原則。中國政府表示，西藏自古以來就是中國的一部分，任何分裂西藏的企圖都是違背中國憲法和國際法的。中國政府將採取一切必要措施，維護國家領土完整和主權。

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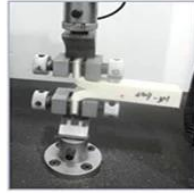
Quality Assurance



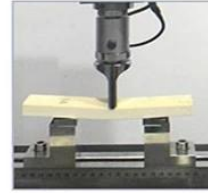
UNIVERSAL TESTING MACHINE(UTM)



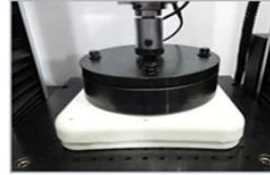
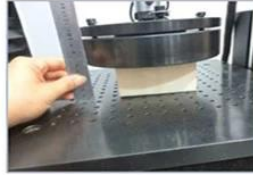
Tensile Test



Tear Resistance Test



Compressive Strength



Indentation Force Deflection

INSPECTION STANDARD

MATERIAL PERFORMANCE TEST REPORT

Finehope
Test Report No. 00201457201 Date: 20140723 Page 1/4
 Customer: CUSTOMER SERVICE DEPARTMENT

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

Sample Description	1	Unit and Model (Indicate/Specify)
Material No.	1	
Other Info.	1	
Sample Processing Date	20140724	
Working Process	20140723	

Test Method

- 001 ISO 22810-2011 Test of Density, Test Agency
- 002 ISO 22810-2011 Test of Density, Test Agency
- 003 ISO 22810-2011 Test of Density, Test Agency
- 004 ISO 22810-2011 Test of Density, Test Agency
- 005 ISO 22810-2011 Test of Density, Test Agency
- 006 ISO 22810-2011 Test of Density, Test Agency
- 007 ISO 22810-2011 Test of Density, Test Agency
- 008 ISO 22810-2011 Test of Density, Test Agency
- 009 ISO 22810-2011 Test of Density, Test Agency
- 010 ISO 22810-2011 Test of Density, Test Agency
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- 096 ISO 22810-2011 Test of Density, Test Agency
- 097 ISO 22810-2011 Test of Density, Test Agency
- 098 ISO 22810-2011 Test of Density, Test Agency
- 099 ISO 22810-2011 Test of Density, Test Agency
- 100 ISO 22810-2011 Test of Density, Test Agency

Finehope
Test Report No. 00201457201 Date: 20140723 Page 2/4
 Customer: CUSTOMER SERVICE DEPARTMENT

Test Result

No.	Test Item	Unit	Test Standard	Customer Requirement	Customer Sample (1)	Customer Sample (2)	Customer Sample (3)	Customer Sample (4)
1	Thickness	mm	ISO 22810	1.2	1.2	1.2	1.2	1.2
2	Thickness	mm	ISO 22810	1.2	1.2	1.2	1.2	1.2
3	Strength	N	ISO 22810	100	100	100	100	100
4	Strength	N	ISO 22810	100	100	100	100	100
5	Strength	N	ISO 22810	100	100	100	100	100
6	Strength	N	ISO 22810	100	100	100	100	100
7	Strength	N	ISO 22810	100	100	100	100	100
8	Strength	N	ISO 22810	100	100	100	100	100
9	Strength	N	ISO 22810	100	100	100	100	100
10	Strength	N	ISO 22810	100	100	100	100	100

Remarks:

- In order to make the strength of two child seats can be compared, see the test specimen in the same direction about strength and test data in one table to do the strength strength test comparison.
- 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. 00201457201 Date: 20140723 Page 3/4
 Customer: CUSTOMER SERVICE DEPARTMENT

Remarks:

1. This picture is only used with the Serial report from Finehope.

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

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	
			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 Y 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 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 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 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

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Maint:Wenhong-Huang

FMEA Date (Original):2015.03.25

Item:Welding Improvement

Process Responsibilities: Production welding group

Model year/project

Key Dates

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



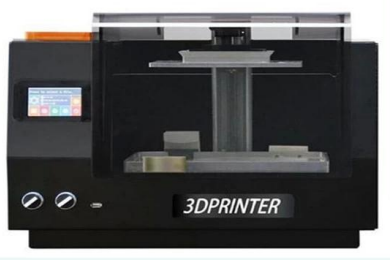
Mould Release Agent Painting Robot



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

