

**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 assembly through PPT to help customers reduce trouble.



**PU**

- ဗိုလ်: ဗိုလ်လျော့လျော့
  - ဗိုလ်: 671\*546\*66mm
  - ဗိုလ်: ဗိုလ်လျော့
  - ဗိုလ်: 100-800kg/m<sup>3</sup>
  - ဗိုလ်: ဗိုလ်လျော့လျော့
  - ဗိုလ်: ဗိုလ်လျော့လျော့လျော့Pantone ဗိုလ်လျော့လျော့
  - ဗိုလ်: ဗိုလ်လျော့လျော့လျော့လျော့လျော့လျော့
  - ဗိုလ်: ဗိုလ်လျော့ Pu ဗိုလ်
  - ဗိုလ်: ဗိုလ်လျော့
  - ဗိုလ်: ဗိုလ်လျော့လျော့
  - Moq: 100
  - ဗိုလ်: RoHS\REACH\EN71-3\CA65
  - ဗိုလ်: ဗိုလ်လျော့



2003 ISO9001

IATF16949

PU Finehope Finehope 2021 IATF16949  
50 2007 Finehope Caterpillar Finehope  
SPC MSA FMEA APQP PPAP 5 Caterpillar

## Our Advantages



**PU** PU  
2002 PU Finehope PU  
Finehope PU  
PU  
PU





၁၁။

**၃. မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း**

- 1) မြန်မာ: မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း (APQP)
- 2) Finehope မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း
- 3) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း
- 4) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း
- 5) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း

**၄. Finehope မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း?**

- 1) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း
- 2) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း
- 3) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း
- 4) မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း

**၅. PU မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း?**

မြန်မာစီမံခန့်ခွဲရေးဝန်ကြီးခိုင်း



## About us



OUR  
BUILDING





OUR  
SAMPLE  
ROOM





## Our Certification



Finehope 2019

2019  
5



Finehope 2018. (CFG) Finehope (CFG)

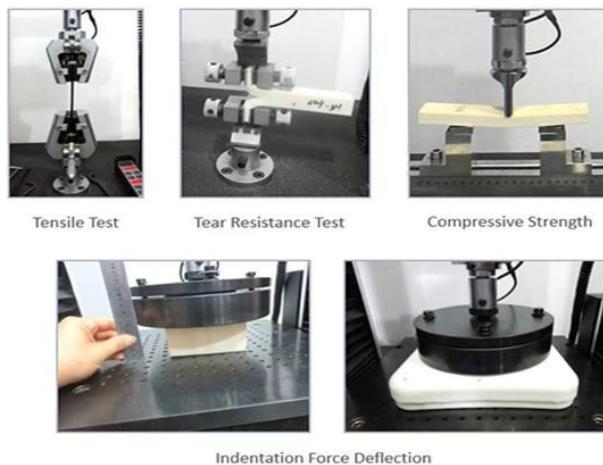


2007 年 Finehope 取得 TUV 認證 Alibaba 線上賣場  
Alibaba 線上賣場

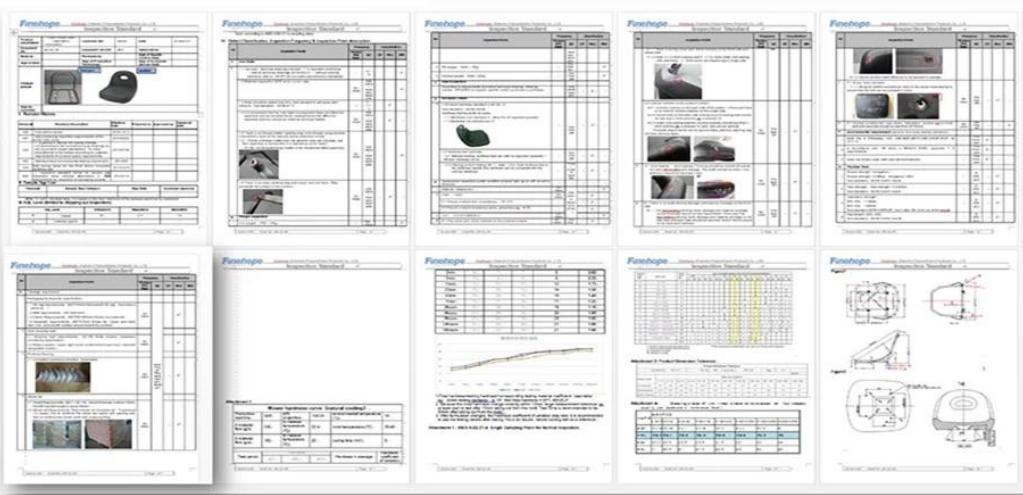
# Quality Assurance



UNIVERSAL TESTING MACHINE(UTM)



## INSPECTION STANDARD ●



## MATERIAL PERFORMANCE TEST REPORT ●

**Finnhope**

**Test Report** No. 00-00000000 Date 2014/05/23 Page 1/6

Customer/CUSTOMER SERVICE DEPARTMENT

The following samples were submitted identified by ref. of the client as:

Sample Description	Color & Style (checkmark)
Other Info.	✓
Sampling Sampling Date	2014/05/23
Sampling Period	

**Test Method**

Test Sample Standard:

- (1) ASTM D2857-2011 Test A Density Test Agents.
- (2) ASTM D2858-2011 Methanol Test, (Dissolve Test), (Dissolve Agent Test), (Dissolve Solvent Test), (Dissolve Specimen), the sample was dissolved in methanol, and the time required for the sample to dissolve completely was measured.
- (3) ASTM D2914-2011 Test of tensile Test (compression speed = 100 mm/min, the sample was cut into two pieces, and the maximum breaking force by the original cross sectional area of the sample was measured).
- (4) ASTM D2974-2011 Test of Resilience, (that resilience test).

**Finnhope**

**Test Report** No. 00-00000000 Date 2014/05/23 Page 2/6

Customer/CUSTOMER SERVICE DEPARTMENT

**Test Result**

No.	Test Name	Unit	Test Standard	Customer Sample (specimen)			Customer Sample (ind.)		
				1	2	3	4	5	6
1	Resilience	%	ASTM D2914-2011	107	107	107	107	107	107
2	Resilience	%	ASTM D2914-2011	107	107	107	107	107	107
3	Specif. Aggr.	kg/m <sup>3</sup>	ASTM D2857-2011	1001	1003	1005	1007	1009	1011
4	Tensile	N/mm <sup>2</sup>	ASTM D2914-2011	1.10	1.10	1.10	1.10	1.10	1.10
5	Strength	N/mm <sup>2</sup>	ASTM D2914-2011	1.10	1.10	1.10	1.10	1.10	1.10
6	Resilience	%	ASTM D2914-2011	107	107	107	107	107	107

**PS**

1. In order to make the strength of two solid seats can be compared, we cut the test specimens to the same dimensions. The strength of the two solid seats can be compared.

2. For the specific gravity value in the above test result, it is the value of specimen with skin in one side, not the actual value of the whole sample.

**Finnhope**

**Test Report** No. 00-00000000 Date 2014/05/23 Page 3/6

Customer/CUSTOMER SERVICE DEPARTMENT

**Specimen Pictures**

Specimen for Tensile Test

Specimen for Resilience Test

This product is in compliance with the below standard from Finland.

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

Project	<input type="text"/>
Finehope Contact	Wendy Yang
Part No.	<input type="text"/>
Part Name	G1019Y04
Change Level/Date	
User Plant(s)	Finehope

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

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

APQP Deliverable	Y R	Project Need Date	Supplier Timing Date	Actual Closure Date	Supplier Lead Resp	Finehope Acceptance Complete	Remarks or Assistance Required
<b>AIAG APQP Phase 2 - Product Design and Development</b>							
1. Project Timeline (Synchronized w/Production Time Plan)	G	20-Jun-21	21-Jun-21	21-Jun-21	22-Jun-21	23-Jun-21	I
2. Customer Input / Requirements	G	23-Jun-21	24-Jun-21	24-Jun-21	25-Jun-21	26-Jun-21	I
3. Warranty & Quality Migration Plan	G	24-Jun-21	25-Jun-21	25-Jun-21	26-Jun-21	27-Jun-21	I
4. Customer Specific Requirements	G	25-Jun-21	26-Jun-21	26-Jun-21	27-Jun-21	28-Jun-21	I
5. Design FMEA	G	26-Jun-21	27-Jun-21	27-Jun-21	28-Jun-21	29-Jun-21	I
6. Preliminary Bill of Materials (BOM)	G	27-Jun-21	28-Jun-21	28-Jun-21	29-Jun-21	30-Jun-21	I
7. Prototype Control Plans	G	28-Jun-21	29-Jun-21	29-Jun-21	30-Jun-21	31-Jun-21	I
8. Prototype Build	G	29-Jun-21	30-Jun-21	30-Jun-21	31-Jun-21	3-Jul-21	I
9. Design Verification Plan & Report (DVR&R)	G	30-Jun-21	1-Jul-21	1-Jul-21	2-Jul-21	3-Jul-21	I
10. Design / Process Review	G	1-Jul-21	2-Jul-21	2-Jul-21	3-Jul-21	4-Jul-21	I
11. Team Feasibility Commitment	G	2-Jul-21	3-Jul-21	3-Jul-21	4-Jul-21	5-Jul-21	I
12. APQP Status Sub-Supplier	G	3-Jul-21	4-Jul-21	4-Jul-21	5-Jul-21	6-Jul-21	I
13. Production Drawing & Specifications	G	4-Jul-21	5-Jul-21	5-Jul-21	6-Jul-21	7-Jul-21	I
14. Subcontractor Purchase Orders (Customer Tooling)	G	5-Jul-21	6-Jul-21	6-Jul-21	7-Jul-21	8-Jul-21	I
15. Facilities, Equipment, Tools and Gages	G	6-Jul-21	7-Jul-21	7-Jul-21	8-Jul-21	9-Jul-21	I
<b>AIAG APQP Phase 3 - Process Design and Development</b>							
16. Products/Process and Quality System Review	G	9-Jul-21	10-Jul-21	10-Jul-21	10-Jul-21	11-Jul-21	I
17. Manufacturing Process Flow Chart	G	11-Jul-21	12-Jul-21	12-Jul-21	12-Jul-21	13-Jul-21	I
18. Process FMEA	G	13-Jul-21	14-Jul-21	14-Jul-21	14-Jul-21	15-Jul-21	I
19. Pre-Launch Control Plan	G	15-Jul-21	16-Jul-21	16-Jul-21	16-Jul-21	17-Jul-21	I
20. Process Work Instructions	G	17-Jul-21	18-Jul-21	18-Jul-21	18-Jul-21	19-Jul-21	I
21. Measurement Systems Evaluation	G	19-Jul-21	20-Jul-21	20-Jul-21	20-Jul-21	21-Jul-21	I
22. Packaging Specifications & Approvals	G	21-Jul-21	22-Jul-21	22-Jul-21	22-Jul-21	23-Jul-21	I
23. Manufacturing Team Training	G	23-Jul-21	24-Jul-21	24-Jul-21	24-Jul-21	25-Jul-21	I
<b>AIAG APQP Phase 4 - Product and Process Validation</b>							
24. Subcontractor PPAAP Approval	G	9-Jul-21	10-Jul-21	10-Jul-21	10-Jul-21	11-Jul-21	I
25. Production Control Plan	G	11-Jul-21	12-Jul-21	12-Jul-21	12-Jul-21	13-Jul-21	I
26. Production Readiness Review (PRR)	G	13-Jul-21	14-Jul-21	14-Jul-21	14-Jul-21	15-Jul-21	I
27. Production Trial Run (PTR)	G	15-Jul-21	16-Jul-21	16-Jul-21	16-Jul-21	17-Jul-21	I
28. Process Capability Studies	G	17-Jul-21	18-Jul-21	18-Jul-21	18-Jul-21	19-Jul-21	I
29. Production Validation Plan & Report (PVP&R)	G	19-Jul-21	20-Jul-21	20-Jul-21	20-Jul-21	21-Jul-21	I
30. Production Part Approval (PPAP)	G	21-Jul-21	22-Jul-21	22-Jul-21	22-Jul-21	23-Jul-21	I
<b>AIAG APQP Phase 5 - Feedback, Assessment and Corrective Action</b>							
31. Initial Production Shipment	G	28-Jul-21	30-Jul-21	30-Jul-21	31-Jul-21	31-Jul-21	I
32. Production Ramp-up Plan	G	31-Jul-21	2-Aug-21	2-Aug-21	2-Aug-21	3-Aug-21	I
33. Full Production Date	G	5-Aug-21	7-Aug-21	7-Aug-21	7-Aug-21	8-Aug-21	I
34. Conduct Lessons Learned	G	6-Aug-21	10-Aug-21	10-Aug-21	10-Aug-21	11-Aug-21	I

## 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

Project 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 requirement s	Potential failure mode	Potential effects analysis	severity (S)	grade	potential causes/mechanism s of failure	frequenc Y (O)	Current prevention process control	Current detection process control	detec tivity (D)	RPN	recommend ed measures	Responsibil ty and target completion date	action results				
													Action Taken	severity (S)	frequency (O)	difficult to check (D)	
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	warpage 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	Deformati on of cup-mouth	Micro switch without power	8	A	PP material deformation. Resulting in a perpendicular direction to connect the cup and handle. This combination. So that both sides of the tilt, 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)

FMEA No.FMEA20150325-01

Page:3

Maker:Wenrong-Huang

FMEA Date (Original) 2015.03.25

Item	Potential failure mode	Potential consequences of failure modes	Severity (S)	Grade	Potential causes of failure	Occur rate degree *	Current process control and Prevention	Current process control detection	Detection rate R/N	Suggest measures	Responsibility and target completion date	Measure results			
												Severity	Incidence rate	Detection degree	R/N
	SizeNG 尺寸NG	6 B	●Staff negligence ●Tooling error ●Fixture for bad 夹具动作不正确	4	●Make the operation standard book ●工具定期校准 ●Make maintenance standards, regular maintenance 定期保养标准，定期维护	●Visual inspection ●目视检测	6	144 ●Pre-service training of staff ●人员岗前培训 ● Finished 100% full inspection 完成100%全检				6	3	4	72
Clamping (clamping required is in place, missing or wrong loaded)	Clamping is not in place,夹具不到位	8 A	●Staff negligence ●Tooling error ●Fixture for bad 夹具动作不正确	4	●Make the operation standard book ●工具定期校准 ●Make maintenance standards, regular maintenance 定期保养标准，定期维护 ●Regular checking of fixture 定期检查夹具	Visual inspection 目视检测	6	192 ●Pre-service training of staff ●人员岗前培训 ●Regular maintenance 工具定期维护 ●Make inspection checklist for fixture 定期检查夹具 ●Regular checking of fixture 定期检查夹具				8	3	4	96
	Attachment missing or influence the assembly	8 A	Staff negligence 工作人员疏忽	3	Make the operation standard book 制定操作标准书	Visual inspection 目视检测	4	96 Final inspection personnel do 100% full inspection for each bead with 100% qualified. 完成100%全检，确保100%合格。				8	2	2	32
	Attachment error 装件错误	7 A	No mistake proofing fixture 误装防错	3	Make the operation standard book 制定操作标准书	Visual inspection 目视检测	6	120 ●Increase the mistake proofing devices ●增加防错设备 ●Inspect for final inspection tools 对最终检验工具进行检查 ●Check for fixture 对装件进行检查				7	2	4	56
	False welding 假焊	9 A	Current, voltage, welding angle, speed setting is not right. 电流、电压、焊接角度、速度设置不正确	4	●Welding process guidance making ●焊接工艺指导书 ●Condition confirmation check 加工条件确认书 ●Confirm the failure test on a regular basis.	Destructive testing 破坏性试验	8	288 After the procedure is set up to confirm the process conditions, the execution and marking of the failure test is performed. 焊接工艺完工并确认后，执行并标记失败试验。				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.



### Self-invented fully automatic production line

Finehope has independently developed a number of fully automatic PU 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.



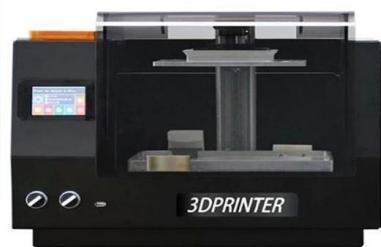
### Mould Release Agent Painting Robot



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

