

Polyurethane Taekwondo Headguard

Finehope Patent money, born for sports!

Thickened Protection Double Safety

Bubble infiltration process, one-time forming liner

Comfortable fit

Good cushioning

Overall thickening protection

High buffer and high resistance

Better head protection



DETAILS SHOW QUALITY

Protect your head, intimate design, protection and ventilation



01

High Elasticity Anti Wrinkle

The integrated PU liner has high elasticity and wrinkle resistance, no deformation, no division, anti strike and long service life!



02

Comfort Protection

High quality PU material: comfortable fit, tough pressure resistance, endurance, resistance to 100000 blows, no looseness or shaking even if worn for a long time



03

Visual Unimpeded

Wider vision and Ingenuity in making Taekwondo helmets



04

Not Afraid Of Sweat

Light and comfortable, without fear of sweat. In the process of fighting, you can sprinkle sweat heartily. Pu permeability is waterproof and sweat proof, not stuffy and sticky, so that you can focus more on sports and constantly break through yourself.



05

Support Customization

Finehope has more than 60 patents, more than 5000 technical formulas and 14 polyurethane foam production lines. It can customize the design for you for free 24 hours

PODUCT DISPLAY

Select materials for comfort

Finehope Patent Payment

20 years of professional polyurethane research and development, using high-quality mature PU leather, helmet vision is clear, size fit, non-toxic, tasteless, tough head protection



Durable and lightweight

Special Adhesive Design

Practical special Velcro widening design, effectively stick to the face, easy to operate

Assured quality and diversified products

Ear Space Design

The sound of the outside world is particularly important in the confrontation movement. It highlights the design, which can not only affect the hearing, but also protect the ears from injury



Manufacturer's direct selling focuses on quality

Forehead Thickening Design

Pu material is famous for its high elasticity, shock absorption and tenacity. It is thickened to protect the forehead from damage and effectively cushion external impact damage

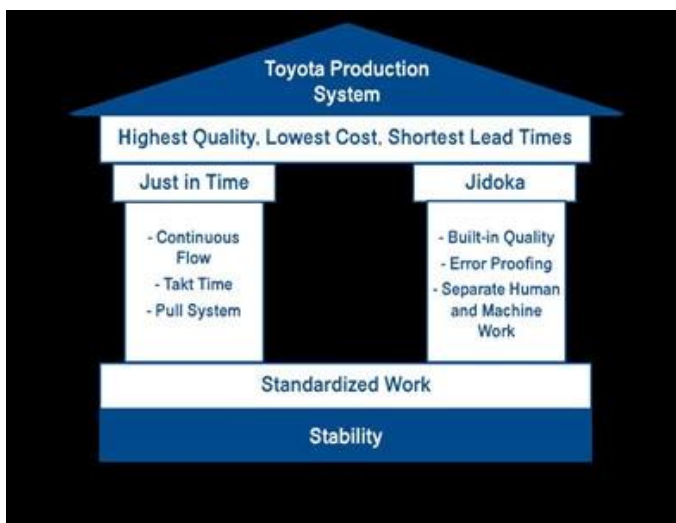


Our Advantages



本公司自 2002 年，即開始提供各類工業用之化學試劑，其產品種類繁多，且品質優良，深受各界人士之肯定。本公司之產品，均係採用最優質之原料，經由先進之生產設備，精製而成。其品質之穩定，且價格公道，實為工業界之理想選擇。本公司之產品，廣泛應用於各類工業生產，如：電子、塑膠、塗料、醫藥、化妝品等。本公司之產品，均符合國際標準，且通過 ISO 9001 認證。本公司之產品，均具有優良之品質，且價格公道，實為工業界之理想選擇。本公司之產品，均具有優良之品質，且價格公道，實為工業界之理想選擇。

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Famous customer

Cooperation experience

<p>Engineering Vehicle</p>	<p>Medical Equipment</p>
<p>Baby Supplies</p>	<p>Fitness Equipment</p> <p>Other</p>

2019 2020 2021

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- 7) 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032

ආරම්භක පරිච්ඡේදයේ පිටු
පිටුපසට

3. පහත සඳහන් කරුණු පිළිබඳව ප්‍රශ්න කරන්න?

- 1) ප්‍රධාන පරිච්ඡේදය: ප්‍රධාන පරිච්ඡේදය පිළිබඳව (පිටුපසට)
- 2) ප්‍රධාන පරිච්ඡේදයේ පිටු පිටුපසට පිටු පිටුපසට පිටු පිටුපසට පිටු පිටුපසට පිටු පිටුපසට
- 3) ප්‍රධාන පරිච්ඡේදයේ පිටු පිටුපසට පිටු පිටුපසට පිටු පිටුපසට පිටු පිටුපසට
- 4) ප්‍රධාන පරිච්ඡේදයේ පිටු පිටුපසට පිටු පිටුපසට පිටුපසට, පිටුපසට පිටු පිටුපසට පිටු පිටුපසට
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4. පහත සඳහන් කරුණු පිළිබඳව ප්‍රශ්න කරන්න?

- 1) ප්‍රධාන පරිච්ඡේදයේ පිටු පිටුපසට පිටුපසට පිටුපසට පිටුපසට
- 2) පිටු පිටුපසට පිටුපසට
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5. පහත සඳහන් කරුණු පිළිබඳව ප්‍රශ්න කරන්න?

පිටු, පිටුපසට පිටුපසට, පිටු පිටුපසට පිටුපසට, පිටුපසට පිටුපසට පිටුපසට පිටු පිටුපසට පිටුපසට පිටුපසට



About us







TEAM
ACTIVITIES

Our Certification



公司于2019-2020年度荣获厦门市成长型中小微企业称号

公司于2019年荣获“厦门市成长型中小微企业”称号，这是对公司技术创新、市场开拓、品牌建设等方面取得成绩的肯定。未来，我们将继续秉承“专精特新”的发展理念，不断提升核心竞争力，为行业发展做出更大贡献。

公司于2020-2022年度荣获厦门市专精特新中小企业称号

公司于2020年荣获“厦门市专精特新中小企业”称号，这是对公司专业化、精细化、差异化、创新型发展的肯定。未来，我们将继续加大研发投入，提升产品质量，增强品牌影响力，推动企业高质量发展。

公司于2019-2021年度荣获厦门市科技小巨人领军企业称号

2019年，公司荣获厦门市科技小巨人领军企业称号，这是对公司科技创新能力和市场竞争力的肯定。未来，我们将继续加大科技投入，推动产学研深度融合，提升自主创新能力，打造具有国际竞争力的科技领军企业。



2019-2020年度

2020-2022年度

2019-2021年度

2018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。公司先后通过ISO 9001:2015、ISO 14001:2015、ISO 45001:2018等管理体系认证，并获得SAQM安全质量管理体系认证。公司始终坚持“质量第一、客户至上”的经营理念，不断提升产品质量和服务水平，赢得了广大客户的认可和信赖。

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福建省排污许可证

Verified Supplier Certificate

Quality Assurance



UNIVERSAL TESTING MACHINE(UTM)



Tensile Test



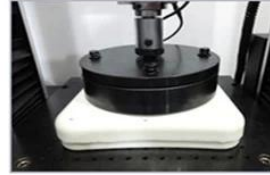
Tear Resistance Test



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: UHMW and MHD (Underdevelopment)
 Material No.: 1
 Other info.: 1
 Sample Processing Date: 20140724
 Working Process: 20140723

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
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- 099 ASTM D2014-2011 Test of Density, Test Agency
- 100 ASTM D2014-2011 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 (pass)	Customer Sample (fail)
1	Thickness	mm	ASTM D2014	1.5	1.5	1.5
2	Hardness	HRB	ASTM D2014	80	80	80
3	Specific Gravity	g/cm ³	ASTM D2014	0.95	0.95	0.95
4	Tensile Strength	MPa	ASTM D2014	15	15	15
5	Elongation	%	ASTM D2014	100	100	100
6	Impact	J/m ²	ASTM D2014	10	10	10
7	Compression	MPa	ASTM D2014	10	10	10
8	Resilience	%	ASTM D2014	10	10	10

FIG. 1. In order to make the strength of two steel rods can be compared, set of the test specimen in the same thickness (about 10mm) and test area in one side to do the tensile strength test comparison.
 2. For the specific gravity value in the above test result, it is the value of specimen with skin on one side, and the actual value of the whole sample.

Finehope
Test Report No. 00201457201 Date: 20140723 Page 3/4
 Customer: CUSTOMER SERVICE DEPARTMENT

Sketch Picture

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.	
Yubin 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 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	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	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

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 项目	Potential failure mode 潜在失效模式	Potential consequences of failure modes 失效的后果/潜在失效模式	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 制定作业标准书 ● Make maintenance standards, regular maintenance 制定保养标准、定期保养、维护 ● Regular maintenance 定期保养	● 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 定期保养 ● Regular maintenance 定期保养		6	3	4	72
Clamping (clamping required is in place, no missing or wrong loaded) 夹具不在位(夹具不在位, 无漏装或装错)	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 制定作业标准书 ● Make maintenance standards, regular maintenance 制定保养标准、定期保养、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 岗前培训 ● Regular maintenance 定期保养 ● Make inspection checklist for fixture 制定夹具检查清单		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 人员疏忽	3	Make the operation standard book 制定作业标准书	Visual inspection 目视检测	4	96	Final inspection personnel do 100% full inspection for each bead with man 终检人员100%全检, 双人		8	2	2	32
Attachment error 附件错误	Influence assembly 影响装配		7	A	No mistake proofing fixture 无防错夹具	3	Make the operation standard book 制定作业标准书	Visual inspection 目视检测	6	126	● Increase the mistake proofing devices 增加防错装置 ● Inspection for final inspection tools 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 作业条件确认 ● Confirm the failure test on a regular basis 定期确认失效测试	Destructive testing 破坏性检测	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, 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

CUSTOMER FIRST

TEAMWORK

EMBRACE CHANGES

PASSION

INTEGRITY

COMMITMENT

