



Manufacturer customize polyurethane PU teakondow martial art head guard

Type: Polyurethane foam

Size: S,M,L,XL Material: 100% pu Density: 180-300kg/m3 Shape: Client design

Color: Red, blue, black, green more available on Pantone color

Surface: Customize surfaces available

Technology: Pu inject into mold shape product

Weight: Depend on density

Moq: 50

Usage: pu teakondow head guard

Certificate: RoHS, REACH, EN71-3, CA65

Location: Xiamen, Fujian



Finehope has obtained ISO 9001 certificate continuously since 2003.

IATF16949 Certification:

China pu teakondow head guard manufacturer Finehope passed the IATF16949 Automotive Quality Management Systems Certification in 2021. More than 50 documents guarantee the progress of new product development, the quality, delivery time and cost of trial and mass production products.

Since the cooperation between Finehope and Caterpillar in 2007, Finehope has used the automotive quality management system for the new product introduction, using the five tools of SPC, MSA, FMEA, APQP and PPAP, which have won praise from Caterpillar executives and established a long-term partnership so far.

Our Advandages





PU raw material research and development capabilities

Since 2002, Finehope has been committed to the design and manufacture of PU moulded foam products. Independent research and development of formula materials and stable production capacity are the basis for quality assurance.

Finehope can adjust the product formula at any time according to the customized needs of customers' personalized products, such as the requirements for hardness, elasticity, support, feel, density, color and other physical and chemical properties, and can make formulation requirements in compliance with the laws and regulations of various countries. Of course, a good formula must also consider the best cost performance. For new projects, the ability to develop PU formulations is a key condition for ensuring product development quality, delivery time and cost.



Scientific management ability

Finehope emphasizes the importance of the Toyota Production System and Corporate Coaching Model to optimize management efficiency. Continuous improvement the efficiency and quality of all employees, management and production personnel have been effectively and continuously improved, management and production costs have been continuously reduced, but more important than efficiency and cost is the cultivation of employee growth through continuous improvement, Because this is the core of corporate sustainable development.

Automation equipment design and manufacturing capabilities

Finehope's ability to design and manufacture automation equipment is rare in the industry. By participating in the design of new PU injection mixing equipment and the automation transformation of the production line, to ensure that under the competition of China's demographic dividend is reduced and labor costs continue to rise, the production efficiency also can be improved, labor and material costs can be reduced. In addition, the continuous design and manufacturing capabilities of key equipment such as fixtures, special equipment, and automatic molds are also the reasons why Finehope is in a leading position in all aspects.

Finehope's ability to continuously reduce costs and innovate products can help customers bring greater value. Therefore , it is a reliable long-term partner of many Fortune 500 companies and leading companies in the industry.



China pu polyurethane foam factory Finehope's refinement reduces the trouble for customers, because it reduces the negligence on the human process system and the ability to continuously accumulate professional experience, which can ensure that all new projects are completed in the shortest time.

Famous customer

Cooperation experience



FAQ

1. Why you choose Finehope?

Finehope is the most professional PU manufacturer in China, which has a professional R&D team, advanced PU production equipment, professional testing equipment and perfect quality management system. We have 12-year cooperation experience with CAT, FIAT, TVH, STIGA and other famous enterprises. We provide them with one-step service from R&D to production to satisfy their customization needs.

2. What are the advantages of choosing Finehope?

- 1) Product quality assurance, delivery guarantee, good after-sales service.
- 2) Cost-effective, fast development efficiency, professional operation with integrity.
- 3) Finehope will conduct all testing analysis and then work out testing standards to reduce quality standard dispute between customers and manufacturers.
- 4) Lean production management mode.
- 5) Help customers to develop and design new products.
- 6) Has rich experience in the design and processing of PU products.
- 7) Finehope is a high-tech enterprise in China with domestic and have international invention patents technology and intellectual property.

3. What are the difference between Finehope and domestic peers?

- 1) Quality assurance: advanced quality planning (APQP).
- 2) Finehope has rich experience in serving international large enterprises.

- 3) Has professional scientific research team of polyurethane material.
- 4) Has independent design, manufacturing and innovation ability of production equipment and molds.
- 5) Has engineer team who is responsible for the quality assurance system and quality control.

4. What are the differences between Finehope and European and U.S peers?

- 1) Has perfect and mature supporting supply chain.
- 2) Lower mold costs.
- 3) High efficiency of development and design ability and short process time.
- 4) Cost advantage and good service attitude.

5. What are the applications of PU products?

Car, engineering machinery, sports fitness equipment, medical machinery and daily household items and so on.

About us







Our Certification







Xiamen Growth-oriented Micro, Small & Medium Enterprises **Xiamen Specialized, Refining, Differentiate, Innovative SMEs**

Xiamen Science and Technology Little Giant Leading Enterprise







Finehope has been rated as "Xiamen Growth-oriented Micro, Small & Medium Enterprises" since 2019. It is the scoring result of the Xiamen Municipal Government based on Finehope's various comprehensive indicators, growth models, brand strength in the industry, and good corporate reputation, then issue this certificate. It is a proof that Finehope stands out among thousands of small and medium-sized enterprises in the city.

Finehope has been rated as "Xiamen Specialized, Refining, Differentiate, Innovative SMEs" since 2020. "Specialized, Refining, Differentiate, Innovative" refers to SMEs with outstanding main business, strong professional capabilities, strong R&D and innovation capabilities, and development potential. Mainly concentrated in the new generation of information technology, high-end equipment manufacturing, new energy, new materials, biomedicine and other mid-to-high-end industries. The government emphasizes and recognizes finehope's "specialization, special innovation" is to encourage innovation and achieve specialization, reform, and specialization.

Since 2019, Finehope has been selected as the leading company of Xiamen Science and Technology Little Giant. This certificate was jointly issued by five departments of the Xiamen Municipal Government. The selection criteria focus on strategic emerging industries such as new generation information technology, high-end equipment, new materials, new energy, biology and new medicine, energy saving and environmental protection, and marine high-tech. Winning this honor shows that Finehope is at the forefront of the industry in new information technology and new materials.



Food and Drug Administration Certification

Finehope has passed Food and Drug Administration certification every year since

2018. Food and Drug Administration approval means that the products produced by Finehope have obtained foreign government certificates (CFG) and can enter the global market smoothly.



Integration of Informationization and Industrialization Management System Certificate

The certificate is assessed by the Xiamen Municipal Government and issued by the Shanghai Academy of Quality Management Science.

This certificate reflects the level of Finehope's in-depth integration of informatization and industrialization. Finehope will continue to take a new path



Work Safety Standardization Certificate

Manufacturing safety is important to prevent or lessen the risk of workplace injury, illness, and death.

Finehope General Manager Tiger Side: "Only those manufacturing facilities which continue to emphasize safety as a top-level issue will remain highly productive and competitive in today's marketplace."





Fujian Province Pollution Discharge Permit

Pollution discharge permits are the "identity cards" of all entities involved in the discharge of pollutants and are issued by the Xiamen Municipal Environmental Protection Bureau. General Secretary Xi Jinping emphasized that "the ecological environment should be protected like the eyes, and the ecological environment should be treated like life." Premier Li Keqiang said: "Environmental pollution is a hazard to the people's livelihood and the pain of the people's hearts.

The Third Party -- TUV Certification

Since 2007, Finehope has continuously passed TUV certification and has become an Alibaba Verified Supplier.

Verified Supplier is a high-quality supplier verified by the authoritative strength of Alibaba platform. Through online and offline on-site audits, the merchants' corporate qualifications, product qualifications, corporate capabilities, and other comprehensive strengths are reviewed and verification.

Quality Assurance



UNIVERSAL TESTING MACHINE(UTM) •

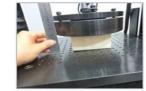
Tensile Test

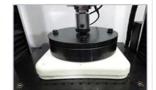




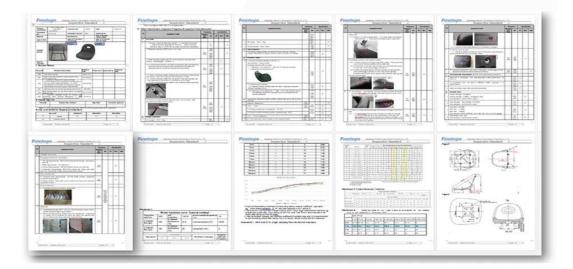
Tear Resistance Test

Compressive Strength





INSPECTION STANDARD •



MATERIAL PERFORMANCE TEST REPORT •









Fi <u>neho</u>	DC Advar	nced Produ	uct Q	uality Pl	anning				Date:	01-Oct-17			
Customer	-				1	Project		(contractor)	Marin .				
Location	New Zealand					Finehope	Finehope Contact		Wendy Yang				
Customer Code	G1019					Part No.		-	0.001				
Risk Assessment				Part Name	•	G1019Y04							
New: Ste	Technology	Process			Change L	evel/Date							
Other Risks						User Plan	t(s)	Finehope					
Core Team Members	Company/Tit	tle				Phone/Fax	v/E-Mail						
Tiger Xu	G.M.					-CITE	THE RES						
Yibin Lim	Vice G.M.						Annon!						
Cindy Wu	Sales Manag					cindy/@fine	nope.com						
Liangquan Wan Wendy Yang	Project Mana Sales	eger				wend, Gén	ehope.com						
33													
Build Level	Mater			Quanti	ty	No. Concurred							
Product Design and Develo	Required 21-Jun		_	10		SRCs	Majors						
Product and Process Valid	The state of the s			15									
				Access		100	- Control		_				
APOP D	eliverable		Y	Project Need	Suppler Timing	Actual Cosure	Suppler Lead Resp	Finehope Acceptance		Remarks or			
		Finehope APQP Reference Only	R	Cate	Date	Date	initials	Complete		Assistance Required			
				_	P Phase 2	Personal Property lies and the last of the	Name and Address of the Owner, where the Owner, which is the Ow	d Develop	ment				
	onized w:Production Time Plan	2636	G	20-Jun-21	21-Jun-21	21-Jun-21	22-Jun-21	23-Jun-21		T.			
2. Customer Inputs / Requir		2030	G	23-Jun-21	24-Jun-21	24-Jun-21	25-Jun-21	26-Jun-21	_	1			
 Warranty & Quality Mitigal Customer Specific Requi 		2030	0	24-Jun-21	25-Jun-21	25-Jun-21	26-Jun-21	27-Jun-21					
5. Design FMEA	eneros.	2050	6	25-Jun-21 26-Jun-21	26-Jun-21 27-Jun-21	26-Jun-21 27-Jun-21	27-Jun-21 28-Jun-21	28-Jun-21 29-Jun-21	_				
6. Preimnary Bill of Materia	is (BOM)	2090	G	27-Jun-21	28-Jun-21	28-Jun-21	29-Jun-21	30-Jun-21	_	ı			
Z. Prototype Control Plans		2110	G	28-Jun-21	29-Jun-21	29-Jun-21	30-Jun-21	1-34-21		1			
8. Prototype Builds		2110	G	29-Jun-21	30-Jun-21	30-Jun-21	1-346-21	2-345-21		,			
9. Design Verification Plan	& Report (DVP&R)	2126	G	30-Jun-21	1-34521	1-34521	2-345-21	3-34621		i			
10. Design / Process Revie		2130	G	1-344-21	2-34421	2-344-21	3-Jul-21	4-344-21		ı			
11. Team Feasibility Commi		2130	G	2-34-21	3-24-21	3-34-21	4-344-21	5-34-21		1			
 APQP Status Sub-Supp Production Drawing & 1 	Name and Address of the Control of t	2130	0	3-34-21	4-345-21	4-34-21	5-34421	6-344-21	_				
The second secon	e Orders (Customer Tooling	2250	G	4-34521 5-34521	5-Jul-21 6-Jul-21	5-Jul-21	6-Jul-21 7-Jul-21	7-Jul-21 8-Jul-21		, , , , , , , , , , , , , , , , , , ,			
15. Facilities, Equipment, To		2260	G	6-346-21	7-346-21	7-34621	8-34-21	9-34-21		· ·			
					P Phase 3	_		d Develop	ment				
16. ProductiProcess and Q		3030	G	9-344-21	10-34-21	10-Jul-21	10-Jul-21	11-Jul-21		i i			
17. Manufacturing Process	Flow Chart	3040	G	11-34-21	12-Jul-21	12-344-21	12-Jul-21	13-Jul-21		t			
18. Process FMEA		3100	0	13-Jul-21	14-Jul-21	14-34-21	14-Jul-21	15-Jul-21		1			
 Pre-Launch Control Pla Process Work Instructor 	3110	0	15-34-21	16-34-21	16-Jul-21	16-34-21	17-34-21	_	<u> </u>				
21. Measurement Systems	Francisco Bornes	3130	6	17-34-21	18-34-21	18-34-21	18-34-21	19-34-21	-	1			
22. Packaging Specification	Brook State Comments	3160	ő	19-34-21	20-Jul-21	20-Jul-21 22-Jul-21	20-Jul-21	21-Jul-21		i			
23. Manufacturing Team Tr	3170	G	23-Jul-21		24-34-21		-		,				
				_				ess Validat	ion				
24. Subcontractor PPAP Ac		4305	G	9-345-21	10-34-21	10-34-21	10-344-21	11-34-21		ı			
25. Production Control Plan		A008	G	11-Jul-21	12-34-21	12-34-21	12-36-21	13-Jul-21		ı			
26. Production Reasiness 9 27. Production Trial Run (P.		A009	G	13-Jul-21	14-34-21	-		15-Jul-21	_				
28. Process Capability Stud	4010 4030	6	15-Jul-21	16-Jul-21		16-34-21	17-34-21		r r				
29. Production Validation P		4000	6	17-36-21	18-34-21	18-3ul-21 20-3ul-21	18-34-21	19-Jul-21 21-Jul-21					
30. Production Part Approv		4110	Ğ	21-34-21	22-Jul-21	Charles A. Control Street	Mary Service Control of the	23-34-21		i			
			AIAG			dback, Ass			tive Acti				
31. Initial Production Shipme		5005	G	25-Jul-21	30-Jul-21	30-34-21	30-34-21	31-Jui-21		1			
32. Production Ramp-up Pa	M.	5005	G	31-Jul-21	2-Aug-21		2-Aug-21	3-Aug-21		t			
33. Full Production Date 34. Conduct Lessons Lean		5005	G	5-Aug-21	7-Aug-21	7-Aug-21	7-Aug-21	8-Aug-21		ı			
	neu	5005	G	8-Aug-21	10-Aug-21	10-Aug-21	10-Aug-21	11-Aug-21		1			

			ļ	Desi	gn Failure M	lode a	nd Effects A	Analysis					PMEA No.: DFMEA-001				
P©iestNeme Model year/ve People partici	shicle type	s. CRV	- CONTRACTOR		(De Procedure responsib Soybean Milk Maker Sales:Halyan Wu	esign F	Production Dept	Important date		THE STATE OF THE S	015 urchaser:Yuany	uan Gou	Page. page 1, Made. <u>Xiaodo</u> FMEA Date. N Production dep	ng Qilu ov.10th.	2015	QC:Bing	ixlang Zheng
		Potential	severity grade				Current prevention										
	failure mode	effects analysis	(\$)		s of failure	frequenc y (O)	process control		(D)			ty and target completion date	Action Taken	seventy (S)		difficult to check (D)	RPN
	size changes of handle	handle cover fall off	6	^	PP size change	6	By adjusting the product of the injection moiding 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 moiding process, and measure or test product size	6	1	1	6
	warpage of scyphus handle	Poor appearan ce break	4	С	high handle wall	6	Add the stiffener to handle wall to prevent deformation	measure and sest product size	2	48	if this problem appears, make improvement by Adding the stiffener		Add the stiffener to handle wall to prevent deformation	4	2	1	8
	Deformes on of cup- mouth		8	^	PP material deformation. Resulting in a perpendicular direction to connect the cup and handle inward deformation. 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 fest cup-mouth size	3	7/2	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

			F	ro	(PFN	and Effects Ana IEA) (和后果分析	lysis				FMEA No.F	MEA201503	25-01			
tem Welding I		•			ss Responsibilities: Production	A WEIGH	g group					MakerWee	rong-Hueng				
Model yearlpr	oject			Cay De								FIMEA Date	(Original):20	15.03.25			
Tanana (failure mode ill in mit	Potential consequences of failure modes 失元的极大压在应用	Sev only on the second		Potential causes of failure 点址的设备等进	ence	Current process control and Prevention	Current process control detection (C. C. C. R. M. 4.00.A)	Detection in rate		Suggest measures	Sty and	Measure re- Measures and effective date	Severity PER		Detection degree 形态文	R p N
Clamping (clamping pages in piace, no making or wrong loaded)	Clamping	SizeNG R-TNG	6		● Staff negligence 人名甘森城市 ● Facure for bed 共長行為下泉	4	Make the operation standard book	Visual inspection H No. 10 Finished 100% Mill inspection H 100% E B	6	144	● Pre-service training of staff 人共共和国 ● Regular maintenance 工程文化技术			6	3	4	72
	is not in place SLATE	Weiging error, leak weiging, weiging deviation, affect the assembly or use function TAGER, RM, RM, RM, RM, RM, RM, RM, RM, RM, R	8		●Staff regigence 人具作业就定 参列duse for bad 央具作论不是 ●Floture inoccurate 央具定位不准确	4	Itiate the operation standard book William to the time of time of time of the time of tim	Visual inspection	6	192	Pre-service training of staff Regular maintenance Stake inspection checklist for fixture			8	3	•	96
	nts missing	Affect product strength or influence the assembly to the first of the			Staff regigence 作业人员用证	3	Make the operation standard book (C.C. O.C. S. S. S. S.	Visual Inspection II 10.0278	4	94	Final inspection personnel do 100% full inspection for each bead with mark			*	2	2	32
		Influence assembly Influence	7		No mistake proofing ficture in A 502 di	3	Make the operation standard book 和文性企业证明书	Visual Inspection	6	126	●increase the mistake proofing devices to take the telescope to the teles			7	2	4	56
	False welding (E/R)	Lack of strength, affect the use of function 技术是一批母生用证 即	9		Current, voltage, weiding angle, speed setting is not reasonable 包含、包含、用金色度、通 查及可含是	4	●Welding process guidance making MIR 可能工業を登場 ● Condition confirmation check 知識を開発を制 ● Confirm the failure test on a regular beals.	Destructive testing	•	266	After the procedure is set up to confirm the processing conditions. the essecution 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.





Self-invented fully automatic production line

Finehope has independently developed a number of fully automatic pulses of fully automatic production ines 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 20-16. CNC (Computer Numerically Controlled) machining is a manufacturing process in which preprogrammed 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.



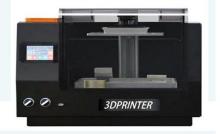
Mould Release Agent Painting Robot



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 20-15. 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

