FREI			
DFM/A Report	**Free 3D Design**	**Frei Mould Opening**	**Free Product Inspection Standard Setting**
Finehope will show details and solutions of manufacturability and assemblability through PPT to help customers reduce trouble.	Finehope help customer design the desired product or modify the design for free.	Großauftrag quantity with mould cost free.	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.

Certificate

Certificate No.: 11420Q46208R0M

This is to certify that the Quality Management System of

FINEHOPE (XIAMEN) NEW MATERIAL TECHNOLOGY CO., LTD.

Unified Social Credit Code: 91350200612047822X4

No. 466, Jiutianhu Road, Xinghei Industrial Zone, Jimei District, Xiamen City, Fujian Province, China

Has been audited to conform to the following Quality Management System standard

GB/T19001-2016/ISO9001:2015

This Quality Management System is valid for the

The manufacture of polyurethane foam products (Soft polyurethane foam products for construction machinery accessories, agricultural machinery accessories and sports equipment accessories; rigid polyurethane foam products for building decoration; elastomer polyurethane foam products for mechanical parts; soft polyurethane floor mats for home and office use)

Issued by:

Beijing East Allreach Certification Center Co., Ltd.

EACC IAF CNAS

ISO 9001 Certificate

Finehope has obtained ISO 9001 certificate continuously since 2003.

IATF16949 Certification

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.

Unser Vorteile

1.

Automation equipment design and manufacturing capabilities

China Customized 100% PU kitchen mat supplier Finehope 's ability to design and manufacture automation equipment is rare in the industry. Von 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 alle Aspekte.

Finehope 's ability to continuously reduce costs and innovate products can help customers bring

Größerer Wert. Therefore, it is a reliable long-term partner of many Fortune 500 companies and leading companies in the industry.

2

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.China office standing mat manufacturer

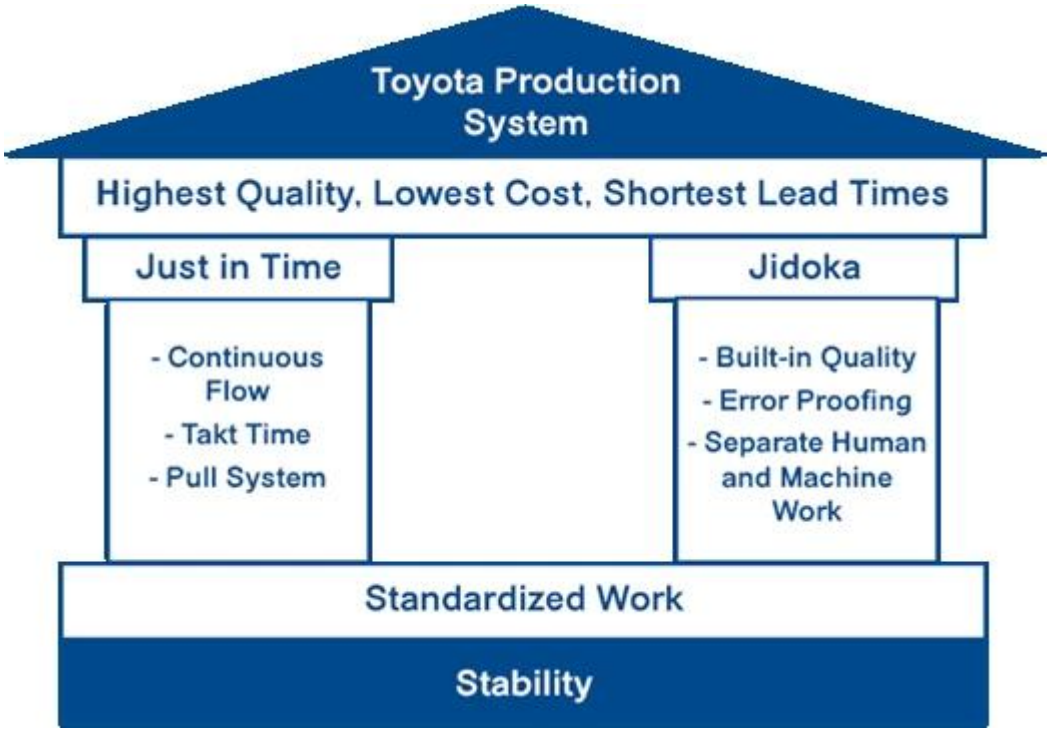
Finehope can adjust the product formula at any time according to the customized needs of customers' personalized products, such as the requirements for hardness, elasticity, support, feel, density, color and other physical and chemical properties, and can make formulation requirements in compliance with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

3

Wissenschaftliches Management Fähigkeit

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.China polyurethane anti-fatigue mat 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.



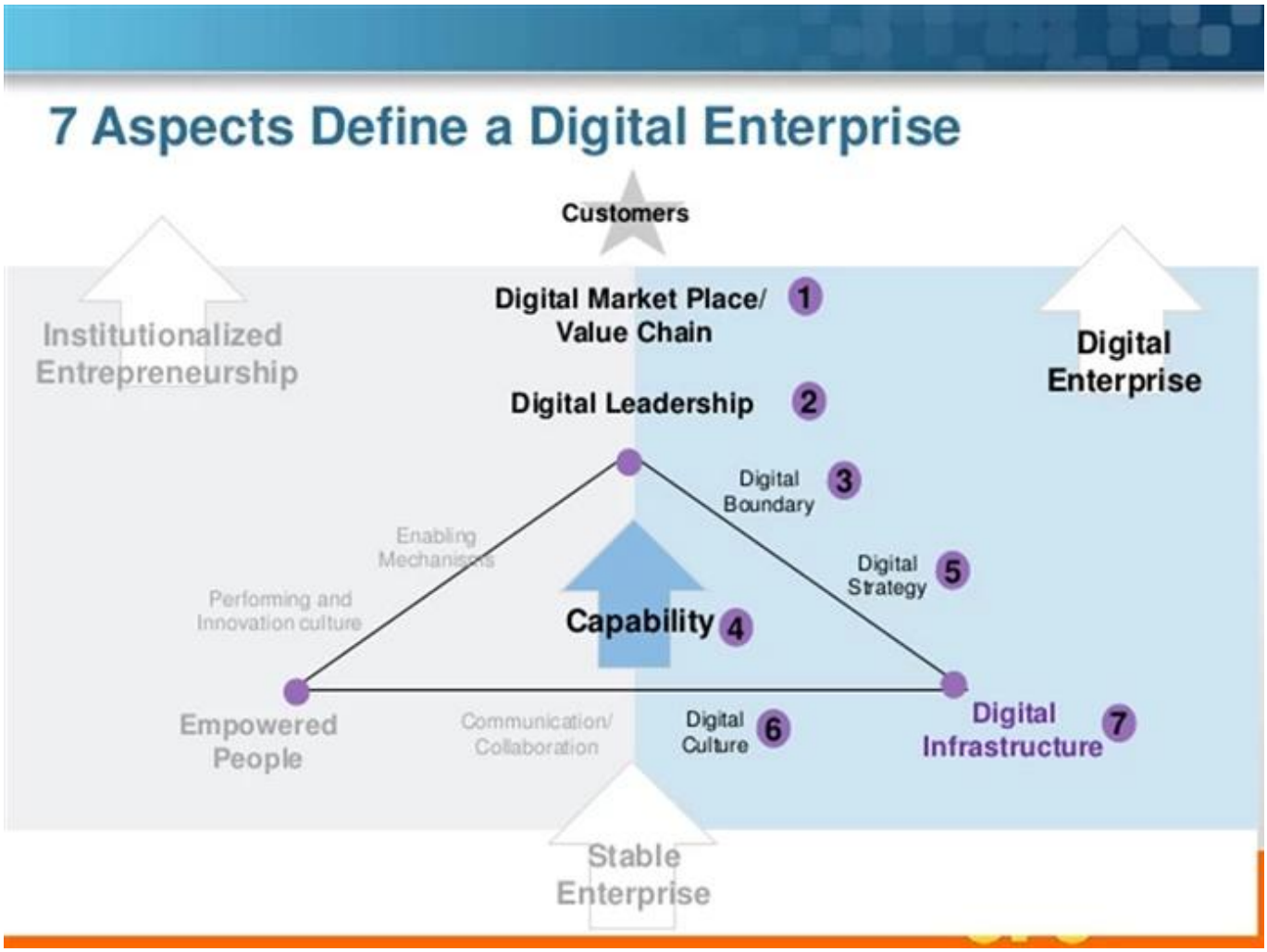
Finehope 's refinement reduces the trouble for customers, because it reduces the negligence on the human process system and the ability to continuously accumulate professional experience, which can ensure that all new projects are completed in the shortest time.

4

Enterprise digital Fähigkeiten

Finehope has invested heavily in the research and development of software systems to digitize business process management and industrial manufacturing. Digital transformation allows Finehope

to use new technologies to enable customers to have a more positive experience, while reducing the workload of the company's employees and ultimately reducing costs.



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, GGP 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.

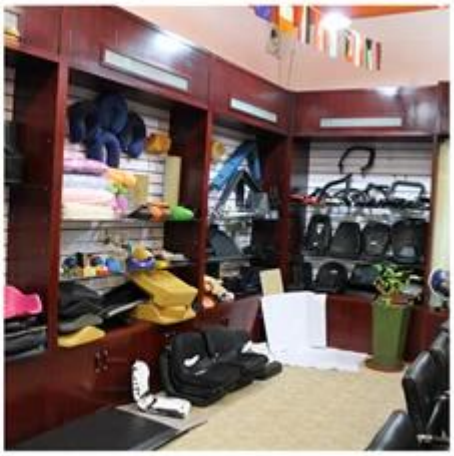
4. What are the differences between Finehope and European and U.S peers?

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.

Über uns

Sekretariat



Probe Zimmer

Aktivität

Unser Zertifizierung

Verified Supplier Certificate

Verified

Certificate Number: 2143933_P+T

Presented to

Finehope (Xiamen) New Material Technology Co., Ltd.

飞虎（厦门）新材料科技股份有限公司

For details, please refer to http://finehope.en.alibaba.com

Quality assessment was conducted for Finehope (Xiamen) New Material Technology Co., Ltd. by SGS Rheinland

Assessed by Harmain Wang on 04 Jan. 2021. Valid from 05 Jan. 2021, Valid until 04 Jan. 2022

Signature:

Title:

Alibaba.com

TÜVRheinland

Alibaba Verified Supplier Zertifikat

Seit 2007, Finehope has continuously passed TUV certification and has become an Alibaba Überprüfter Lieferant.

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.


证书编号： AIITRE-008201IIMS0052601
Certification no.: AIITRE-008201IIMS0052601
SAQM
两化融合管理体系评定证书
Integration of Informationization and Industrialization Management System Certificate
兹证明 Hereby approve
飞虎（厦门）新材料科技股份有限公司
Finehope(Xiamen) New Material Technology Co., Ltd
的管理体系符合
Management system complies with
《信息化和工业化融合管理体系 要求》（GB/T 23001-2017）
Informationization and Industrialization Management System Requirement(GB/T 23001-2017)
本证书对下述评定范围有效：
Approve following assessment range available:
位于厦门市集美区杏北工业区九天湖路466号的飞虎（厦门）新材料科技股份有限
Finehope(Xiamen) New Material Technology Co., Ltd . locate on No.466 Jiutian Lake Road, Xinghei Industrial Area, Jimei, Xiamen,
公司，与订单快速交付能力建设相关的两化融合管理活动.
refer to order quick fulfill ability construction related Informationization and Industrialization Management activity.
发证日期：2020 年 01 月 13 日
Date of issue: Jan 13th, 2020
有效期至：2023 年 01 月 13 日
Date of the certificate can be issued on Informatization and Industrialization Management (effective)
上海质量管理科学研究院
Shanghai Academy of Quality Management
授权代表
Authorized representative
System Assessment
体系评定
AIITRE-A008-IIMS
评定机构地址：上海市长宁区武夷路 258 号 上海质量管理科学研究院 www.saqm.org.cn
Assessment Agency Address: No.258, Wuyi road, Changning district, Shanghai Shanghai Academy of Quality Management www.saqm.org.cn

Integration von 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 of industrialization; use information technology as the support to transform and upgrade traditional kinetic energy, cultivate new kinetic energy, and pursue a sustainable development model.

Xiamen Growth-oriented Micro, Small & Medium Enterprises

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. Es ist ein proof that Finehope stands out among thousands of small and medium-sized enterprises in the city.

Arbeitssicherheit Standardization Certificate

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

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."

Finehope must be proactive about employee safety. Without a focus on safety, can place their employees at risk, cause fire and face expensive property damagend and affect delivery.

Xiamen Science And Technology Little Giant Leading Enterprise

Since 2019, Finehope has been selected as the leading company of Xiamen Science and Technology Little Riese. This certificate was jointly issued by five departments of the Xiamen Municipal Regierung. 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.

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. It must be dealt with an iron fist.” The Chinese government’s determination to improve the environmental quality of the atmosphere, water bodies, and soil cannot be ignored. Pollution permits are an important factor that must be considered in international procurement. Otherwise, the factory has hidden dangers and will be ordered to stop production, which will affect the delivery

date.

Man kann sehen, dass Finehope is a manufacturer with long-term cooperation and stable delivery.

Xiamen Specialized, Refining, Differentiate, Innovative SMEs

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.

Leading in the same industry in terms of market, quality, efficiency or development, with advanced and exemplary.

Through this certificate, the government emphasizes and recognizes finehope 's "specialization, special innovation" is to encourage innovation and achieve specialization, reform, and specialization.

Finehope should continue to take "specialization, special innovation" as the direction, focus on their main business, practice hard work, strengthening innovation, and build the company into a "single champion" or "supporting expert" with unique skills.

Fiscal Year 2020
CERTIFICATION OF REGISTRATION

This certifies that:

Finehope (Xiamen) New Material Technology Co.,Ltd.
NO. 466 Jiu-tian-hu Road Xinglin , Jimei, XIAMEN, Fujian, 361022, CHINA
has completed the FDA Establishment Registration (as manufacturer , foreign exporter, contract manufacturer) and Device Listing with the US Food & Drug Administration, through

U.S. Agent for FDA Communications: SUNGO TECHNICAL SERVICE INC. 6050 W EASTWOOD AVE APT 201, CHICAGO, ILLINOIS 60630, USA
Telephone: +1-855-957-7770 / E-mail: sungo.group@yahoo.com

Registration Number:3014535570
Device Listing#: See annex

SUNGO Technical Service Inc. will confirm that such registration remains effective upon request and presentation of this certificate until the end of the calendar year stated above, unless said registration is terminated after issuance of this certificate. SUNGO Technical Service Inc. makes no other representations or warranties, nor does this certificate make any representations or warranties to any person or entity other than the named certificate holder, for whose sole benefit it is issued. This certificate does not denote endorsement or approval of the certificate-holder's device or establishment by the U.S. Food and Drug Administration. SUNGO Technical Service Inc. assumes no liability to any person or entity in connection with the foregoing.

Pursuant to 21 CFR 807.39, "Registration of a device establishment or assignment of a registration number does not in any way denote approval of the establishment or its products. Any representation that creates an impression of official approval because of registration or possession of a registration number is misleading and constitutes misbranding." The U.S. Food and Drug Administration does not issue a certificate of registration, nor does the U.S. Food and Drug Administration recognize a certificate of registration. SUNGO Technical Service Inc. is not affiliated with the U.S. Food and Drug Administration.

Sungo FDA

Executive Director
Issued: Dec. 19 2019
Cert. No.: 2006US756528
Expiration Date: Dec. 31 2020

SUNGO CHINA OFFICE Tel: 021-68828052 Email:Shage2008@126.com Website: www.sungoglobal.com
Add: 13F Floor, No.1500 Century Avenue, Shanghai 200122, P.R.China

FDA certification

Food and Drug Administration (FDA) established in 1906 is a government agency under the passage of the Federal Food and Drugs Act. The FDA Certification is mandatory for placing the products in the USA.

This major responsibility of FDA is protecting and managing public health and related authorities by assuring the safety and security of human and biologically generated product. The FDA regulates products including biological products, medical services, cosmetics, prescription drugs and non-prescription drugs, veterinary drugs, tobacco and other radiation emitting products.

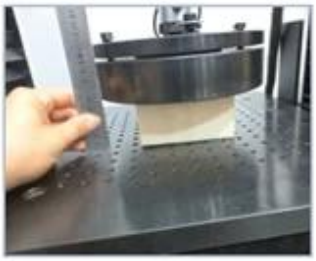
Finehope has passed FDA-Zertifizierung jedes Jahr seit 2018. Die FDA-Genehmigung bedeutet, dass die Produkte Produziert von Finehope haben ausländische Regierungszertifikate (CFG) und Kann den globalen Markt reibungslos betreten.

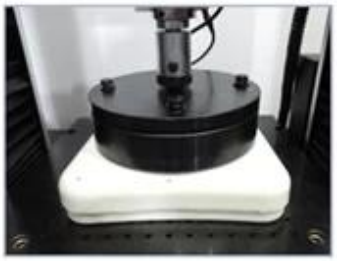
Qualität Sicherheit

Tensile Test

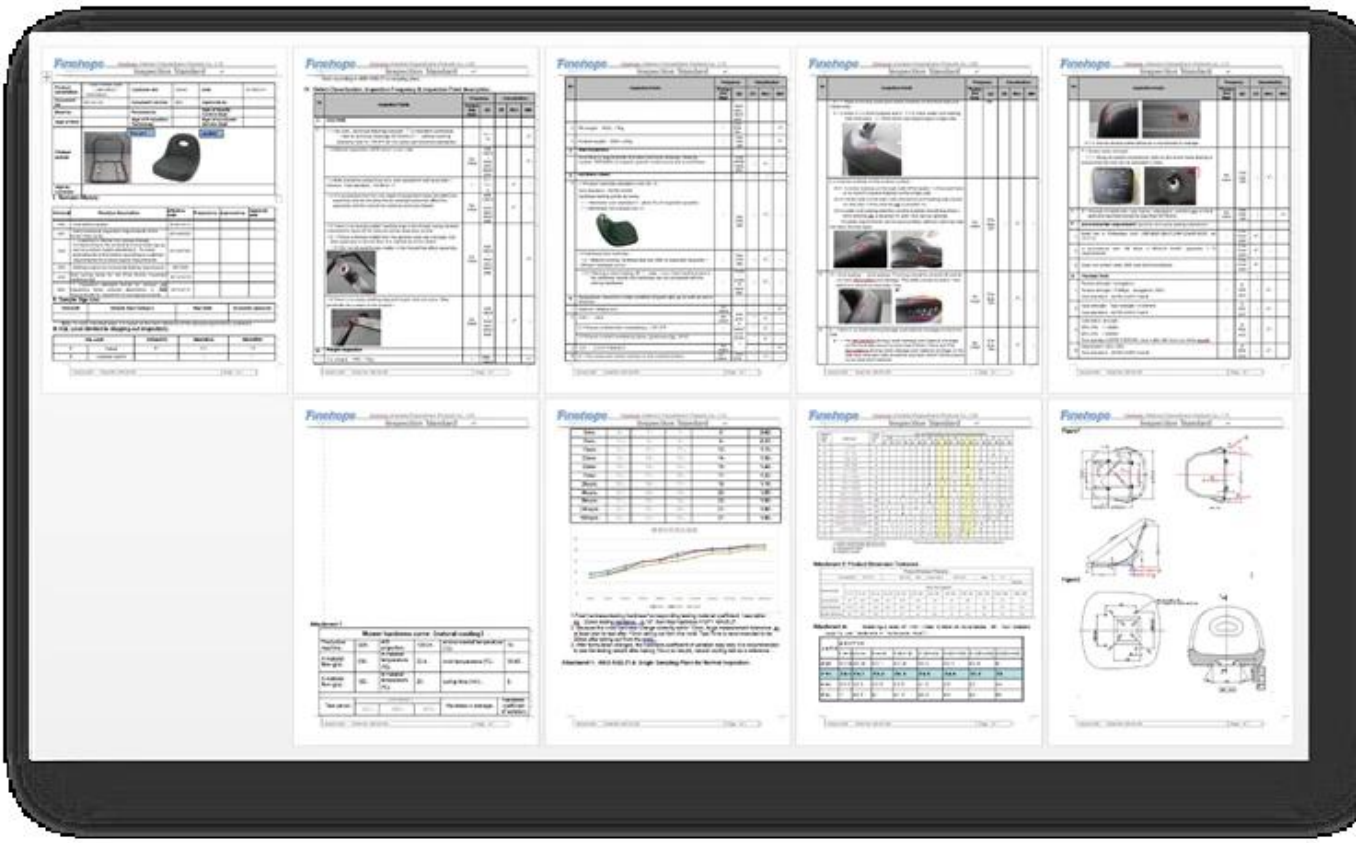
Tear Resistance Test

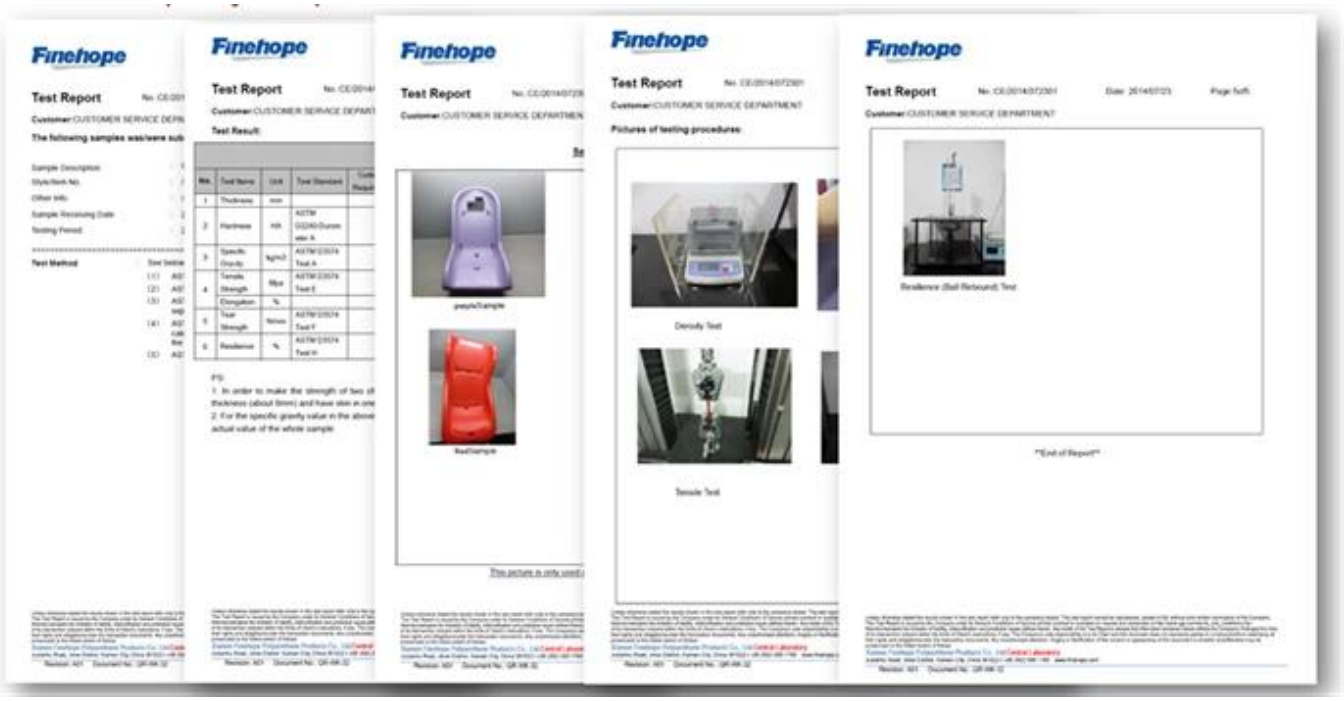
Compressive Strength





Indentation Force Deflection





Fortgeschrittener Produktqualitätsplanungsprozess (APQP)

Der APQP-Prozess bietet Konsistenz in der Automobilindustrie und ermöglicht alle Tierlieferanten Sprechen Sie während des Entwicklungsprozesses dieselbe Sprache. Ohne allgemeines Sprache Finehope-Designs wären nicht so effizient und wir würden geschockt mit zahlreichen Treffen, die versuchen, unsere Arbeit zu erklären und was erforderlich ist. Der APQP. Prozess gibt Finehope die gemeinsamen Instrumente und Verfahren, die wir zur Vollständigkeit entwickeln müssen und starten Sie ein Produkt mit der Automobilindustrie und treffen Sie alle Regierung Bedarf.

Finehope **Advanced Product Quality Planning** Date: 01-Oct-17

Customer		Project	
Location	New Zealand	Finehope Contact	Wendy Yang
Customer Code	G1019	Part No.	
Risk Assessment		Part Name	G1019Y04
New : Site ☐ Technology ☐ Process ☐		Change Level/Date	
Other Risks ☐		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. Concurred SRCs	No. Concurred 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 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	2050	G	25-Jun-21	26-Jun-21	26-Jun-21	27-Jun-21	28-Jun-21	/
5. Design FMEA	2060	G	26-Jun-21	27-Jun-21	27-Jun-21	28-Jun-21	29-Jun-21	/
6. Preliminary Bill of Materials (BOM)	2090	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	2250	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 Reasiness 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 (PVP&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	/

Viele Kunden wählen Finehope ist ihr Partner, weil Finehope dem APQP-Prozess folgt, Ermöglicht, dass sie während des gesamten Prozesses am Projekt teilnehmen können, immer den Fortschritt des Projekts und die Qualitätssicherung von jedem sehen Verknüpfung.

Fehler-Modus und Effekte Analyse (FMEA).

Die FMEA wird von beiden verwendet Design- und Produktionsingenieure (DFMMEA und Pfmea), um potenzielle Probleme zu betrachten Mit einem Design oder einem Prozess bestimmen Sie die Schwere des Problems, die Frequenz kann auftreten und ob das Problem erkannt werden kann oder nicht Jeder. Wenn die FMEA-Analyse abgeschlossen ist, sind dann die hohen Bewertungsfragen Überprüft und entweder korrigiert oder Schritte werden gemacht, um diese Risiken zu mindern.

Finehope-Projektmanager. Wan sagte: "FMEA hilft dem Projekt, viele Fehler zu vermeiden und den Kunden zu helfen Speichern Sie den neuen Projektentwicklungszyklus ".

Design Failure Mode and Effects Analysis

(Design FMEA)

FMEA No.:
DFMEA-001

Page: page 1, totally 3 pages

Project Name: injection moulding

Procedure responsible dept: Production Dept

Made: Xiaodong Qiu

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	detectivity (D)	RPN	recommended measures	Responsibility and target completion date	action results					
													Action Taken	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 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)

潜在失效模式和后果分析

FMEA No.FMEA20150325-01

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Item:Welding improvement
项目:焊接改善

Process Responsibilities: Production welding group
过程职责：生产部焊接组

Maker:Wenrong-Huang

Model year/project
型号年/项目

Key Dates
关键日期

FMEA Date (Original):2015.03.25

Item 项目 / Request 问题	Potential failure mode 潜在失效模式	Potential consequences of failure modes 失效的模式潜在后果	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 现行过程控制探测	Detection rate 探测率	RPN	Suggest measures 建议措施	Responsibility and target completion date 职责及目标完成日期	Measure results 措施结果				
													Measures and effective date 采取的措施	Severity 严重度	Incidence rate 发生率	Detection degree 探测度	RPN
Clamping (clamping required is in place, no missing or wrong loaded) 钳夹（钳夹需到位，无漏装，错装）	Clamping is not in place 钳夹不到位	SizeNG 尺寸NG	6	B	●Staff negligence 人员作业疏忽 ●Fixture for bad 夹具作动不良	4	●Make the operation standard book 制定作业标准书 ● Make maintenance standards, regular maintenance 制定保养基准，定期保养，维护	●Visual inspection 目视检测 ● Finished 100% full inspection 完检100%全检	6	144	●Pre-service training of staff 人员岗前培训 ● Regular maintenance 工装定期维护			6	3	4	72
		Welding error, leak welding, welding deviation, affect the assembly or use function 焊接错误，漏焊，焊接偏移，影响装配或使用功能	8	A	●Staff negligence 人员作业疏忽 ●Fixture for bad 夹具作动不良 ●Fixture 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 制定保养基准，定期保养，维护 ●Regular checking of fixture 对夹具定期检测	Visual inspection 目视检测	6	192	●Pre-service training of staff 人员岗前培训 ●Regular maintenance 工装定期维护 ●Make inspection checklist for fixture 制作夹具检测点检表			8	3	4	96
	Attachments missing 附件漏钻	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 制定作业标准书	Visual inspection 目视检测	4	96	Final inspection personnel do 100% full inspection for each bead with mark 终检人员100%全检，对			8	2	2	32
	Attachment error 附件装错	Influence assembly 影响装配	7	A	No mistake proofing fixture 治具无防错	3	Make the operation standard book 制定作业标准书	Visual inspection 目视检测	5	126	●Increase the mistake proofing devices 增加防错装置 ●Inspection for final inspection tools 完检检具检测			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，速度设定不合理	4	●Welding process guidance making 制作焊接工艺指导书 ●Condition confirmation check 加工条件确认点检 ●Confirm the failure test on a regular basis.	Destructive testing 破坏试验检测	8	288	After the procedure is set up to confirm the processing conditions, the execution and marking of the failure test is performed. 首程序设定加工条件确认			9	3	4	108

Krauss Maffei.

Finehope hat. sukzessive führte viele der fortschrittlichsten deutschen KraussMaffei der Welt ein Hochdruckspritzmaschinen seit 2010.

Selbst erfunden Vollautomatische Produktionslinie

Finehope hat. unabhängig entwickelte eine Reihe vollautomatischer PU-Injektionsproduktion Linien seit 2010. Diese Produktionslinien reduzieren die Produktionskosten und treffen sich Anforderungen an den Kunden.

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Schweißroboter

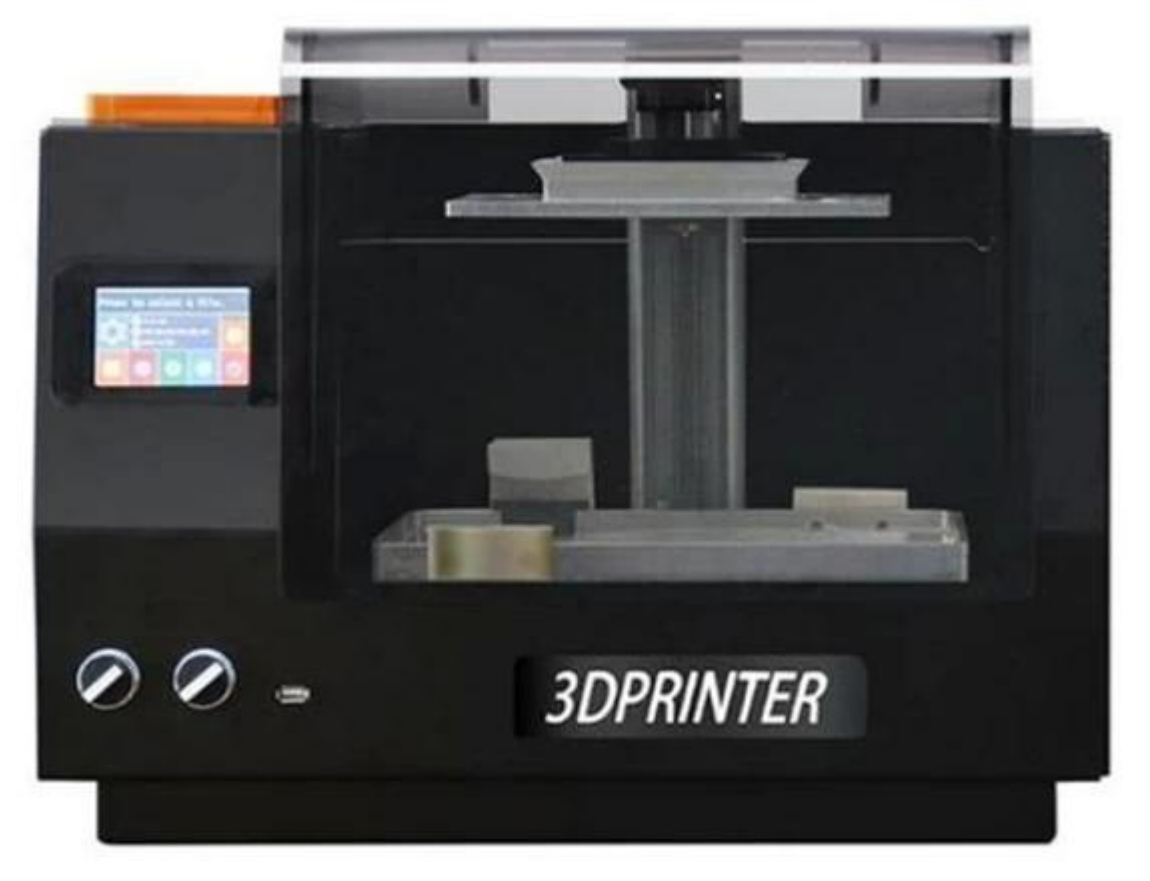
Seit 2016 hat Finehope kaufte weiterhin Schweißroboter und automatische Fixture Turntables für Schweißen von Metallteilen. Die unabhängige Verarbeitung von Zubehör spart das Wartezeit- und Beschaffungskosten der Outsourcing-Verarbeitung.

CNC-Maschine

Finehope ist weiterhin weiter Kaufen Sie CNC-Geräte seit 2016. CNC (Computer numerisch gesteuert) Die Bearbeitung ist ein Herstellungsprozess, in dem die vorprogrammierte Computersoftware vorprogrammiert ist Diktiert die Bewegung von Fabrikwerkzeugen und Maschinen. Mit dieser Art von Maschine versus manuelle Bearbeitung kann zu einer verbesserten Genauigkeit führen, erhöht Produktionsgeschwindigkeiten, verbesserte Sicherheit, erhöhte Effizienz und vor allem, Helfen Sie Kunden, Kosten zu sparen und die Produktqualität zu verbessern.

Formtrennmittel Lackierroboter

Seit 2019 hat Finehope gekaufte Roboter zum Sprühen von Trennmittel auf Wasserbasis, um das Arbeiten zu verbessern Umwelt, verbessern Sie die Spritzqualität und die Materialauslastung und reduzieren Sie Arbeitskosten.



3D Drucker

Finehope begann zu Kaufen Sie 3D-Drucker im Jahr 2015. Der 3D-Druck kann den schnellen Nachweis von Neuen realisieren Produktprototypen und -vorlagen für Harzformen und können auch verwendet werden Schnellere und günstigere kleine Chargenproduktion.

ZUSÄTZLICH

Zusätzlich zum oben genannten, Wir haben auch leistungsfähigere 19-jährige Supply Chain Management-Funktionen mit Unterstützende Verarbeitungsgeräte und -funktionen, die nicht oben aufgeführt sind. Wir have strict regulations and requirements for their qualification review, quality control plan and incoming quality batch management.

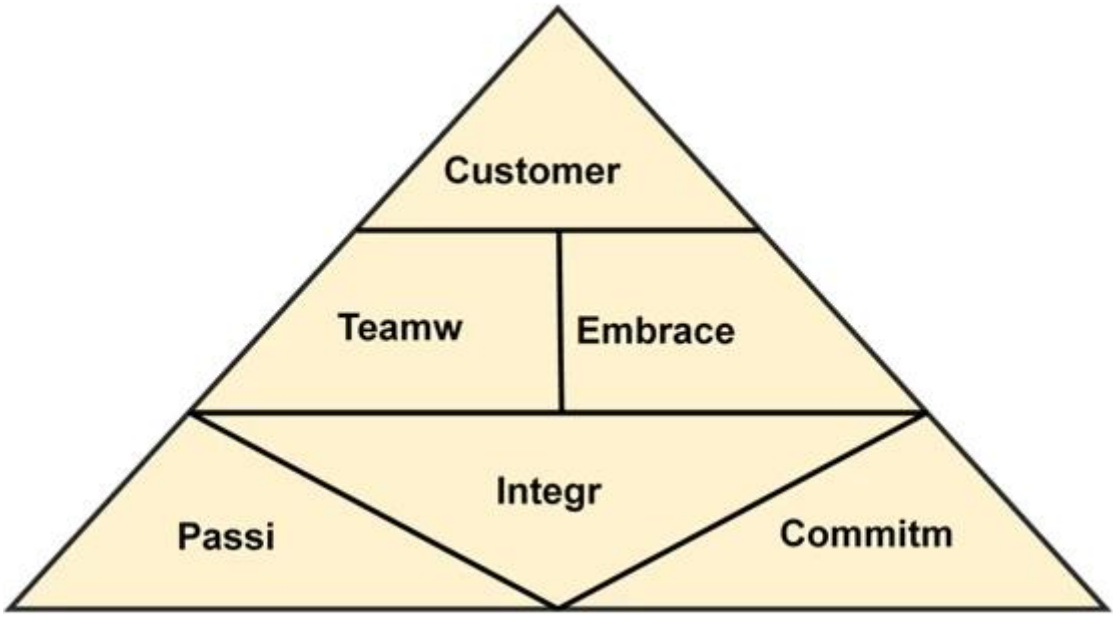
We can do carbon fiber, glass fiber, wood products, hardware, etc. In large quantities, we have suppliers with stable quality and output to cooperate.

Sozial Verantwortung

- Strictly follow SA8000
- public-spirited

Voluntary tree planting after Super Typhoon Meranti 2016

EIN Value-based Company



PolyurathaneSchaumProduktebrauchen,willkommenKontaktuns.

Amanda

Finehope

Finehope (Xiamen) New Material Technology Co., Ltd.
No. 466 Jiutianhu Road, Xingbei Industry Area, Jimei District, Xiamen, China
Post code:361022
Email:Amanda@finehope.com
Tel: 86-592-66617667
Mob:86-18050099072