



Fábrica venta caliente moldeada espuma bebé cazo cambiando almohadilla para bebé

Categoría: PU PAD, MAT

Material: PU POLYURETHANE - Espuma de piel integral

Densidad: 200-250kg / m3

Forma: Según los requisitos del cliente para el diseño del producto y el molde personalizado.

Color: negro, gris y otros colores se pueden personalizar a petición.

Embalaje: Cartón estándar

Condiciones de pago: depósito del 30%, pago y entrega.

MOQ: 1,000pcs

Localización: China • Fujian • Xiamen

Conozca la certificación: Rosh, REACH, EN71-3, Phtálico 6P

Otros: Fábricas de OEM y procesamiento chinas, especializadas en la producción de productos PU, Incluyendo accesorios (hierro, madera, plásticos, etc.).



Finehope ha obtenido un certificado ISO 9001 continuamente desde 2003.

Certificación IATF16949:

Finehope aprobó la certificación de sistemas de gestión de calidad automotriz de IAATF16949 en 2021. Más de 50 documentos garantizan el progreso del nuevo desarrollo de productos, la calidad, el tiempo de entrega y el costo de los productos de producción y producción en masa. Desde la cooperación entre Finehope y Caterpillar en 2007, Finehope ha utilizado el sistema de gestión de la calidad automotriz para la introducción del nuevo producto, utilizando las cinco herramientas de SPC, MSA, FMEA, APQP y PPAP, que han ganado elogios de los ejecutivos de Caterpillar y se establecieron mucho. -Terman asociación hasta ahora.

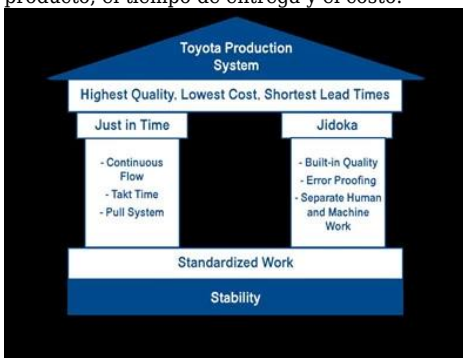
Our Advandages



Capacidades de investigación y desarrollo de materias primas de PU

Desde 2002, Finehope se ha comprometido con el diseño y la fabricación de productos de espuma moldeada por PU. La investigación y el desarrollo independientes de materiales de fórmula y capacidad de producción estable son la base para la garantía de calidad.

Finehope puede ajustar la fórmula del producto en cualquier momento de acuerdo con las necesidades personalizadas de los productos personalizados de los clientes, como los requisitos de dureza, elasticidad, soporte, sensación, densidad, color y otras propiedades físicas y químicas, y pueden hacer que los requisitos de formulación en cumplimiento. Con las leyes y regulaciones de varios países. Por supuesto, una buena fórmula también debe considerar el mejor rendimiento del costo. Para nuevos proyectos, la capacidad de desarrollar formulaciones de PU es una condición clave para garantizar la calidad del desarrollo del producto, el tiempo de entrega y el costo.



Capacidad de gestión científica

Finehope enfatiza la importancia del sistema de producción de Toyota y el modelo de coaching corporativo para optimizar la eficiencia de la administración. Mejora continua La eficiencia y la calidad de todos los empleados, el personal de gestión y producción han sido mejorados de manera efectiva y continuamente, los costos de gestión y producción se han reducido continuamente, pero más importante que la eficiencia y el costo es el cultivo del crecimiento de los empleados a través de la mejora continua, porque esto es El núcleo del desarrollo sostenible corporativo.



Capacidades de fabricación y diseño de equipos de automatización.

La capacidad de Finehope para diseñar y fabricar equipos de automatización es rara en la industria. Al participar en el diseño de nuevos equipos de mezcla de inyección de la PU y la transformación de la automatización de la línea de producción, para garantizar que en virtud de la competencia del dividendo demográfico de China se reduzca y los costos laborales continúen aumentando, la eficiencia de producción también puede mejorarse, mano de obra y material. Los costos se pueden reducir. Además, las capacidades de diseño y fabricación continuas de equipos clave, como accesorios, equipos especiales y moldes automáticos, también son las razones por las que Finehope está en una posición de liderazgo en todos los aspectos. La capacidad de Finehope para reducir continuamente los costos e innovar productos puede ayudar a los clientes a brindar mayor valor. Por lo tanto, es un socio confiable a largo plazo de muchas compañías de Fortune 500 y empresas líderes en la industria.



El refinamiento de Finehope reduce el problema a los clientes, ya que reduce la negligencia en el sistema de procesos humanos y la capacidad de acumular continuamente la experiencia profesional, lo que puede garantizar que todos los nuevos proyectos se completen en el menor tiempo.

Famous customer

Cooperation experience

| | | | |
|------------------------|---|----------------------|--|
| Engineering Vehicle |  | Medical Equipment |  |
| Baby Supplies |  | Fitness Equipment |  |
| | | Other |  |

Preguntas más frecuentes

1. ¿Por qué eliges Finehope?

Finehope es el fabricante de PU más profesional en China, que cuenta con un equipo profesional de I + D, equipo avanzado de producción de PU, equipos de pruebas profesionales y un sistema de gestión de calidad perfecto. Tenemos una experiencia de cooperación de 12 años con CAT, FIAT, TVH, STIGA y otras empresas famosas. Los proporcionamos un servicio de un solo paso de I + D a la producción para satisfacer sus necesidades de personalización.

2. ¿Cuáles son las ventajas de elegir Finehope?

- 1) Garantía de calidad del producto, garantía de entrega, buen servicio postventa.
- 2) Eficiencia de desarrollo rentable y rápida, operación profesional con integridad.
- 3) Finehope realizará todo el análisis de pruebas y luego resolverá las normas de prueba para reducir la disputa estándar de calidad entre Clientes y fabricantes.
- 4) Modo de gestión de producción magra.
- 5) Ayudar a los clientes a desarrollar y diseñar nuevos productos.
- 6) Tiene una rica experiencia en el diseño y procesamiento de productos PU.
- 7) Finehope es una empresa de alta tecnología en China con la tecnología de patentes internacionales y de invención internacional e intelectual propiedad.

3. ¿Cuál es la diferencia entre Finehope y los pares domésticos?

- 1) Garantía de calidad: planificación de calidad avanzada (APQP).
- 2) Finehope tiene una rica experiencia en servir a grandes empresas internacionales.
- 3) Tiene un equipo de investigación científica profesional de material de poliuretano.
- 4) Tiene un diseño, fabricación e innovación independiente de equipos de producción y moldes de producción.
- 5) Tiene un equipo de ingeniería que es responsable del sistema de garantía de calidad y el control de calidad.

4. ¿Cuáles son las diferencias entre Finehope y EUROPEO Y U.S PEERS?

- 1) Tiene una cadena de suministro de soporte perfecta y madura.
- 2) menores costos de molde.
- 3) Alta eficiencia de la capacidad de desarrollo y diseño y tiempo corto de proceso.
- 4) Ventaja de costos y buena actitud de servicio.

5. ¿Cuáles son las aplicaciones de los productos PU?

Coche, maquinaria de ingeniería, equipos de aptitud deportiva, maquinaria médica y artículos para el hogar diario, etc.



About us







Our Certification





Alibaba Verified Supplier Certificate

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.



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 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. It is a proof that Finehope stands out among thousands of small and medium-sized enterprises in the city.



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



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. It can be seen that 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.



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 certification every year since 2018. FDA approval means that the products produced by Finehope have obtained foreign government certificates (CFG) and can enter the global market smoothly.

Quality Assurance



UNIVERSAL TESTING MACHINE(UTM)



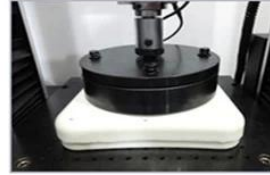
Tensile Test



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
- 009 ASTM D2014-2011 Test of Density, Test Agency
- 010 ASTM D2014-2011 Test of Density, Test Agency
- 011 ASTM D2014-2011 Test of Density, Test Agency
- 012 ASTM D2014-2011 Test of Density, Test Agency
- 013 ASTM D2014-2011 Test of Density, Test Agency
- 014 ASTM D2014-2011 Test of Density, Test Agency
- 015 ASTM D2014-2011 Test of Density, Test Agency
- 016 ASTM D2014-2011 Test of Density, Test Agency
- 017 ASTM D2014-2011 Test of Density, Test Agency
- 018 ASTM D2014-2011 Test of Density, Test Agency
- 019 ASTM D2014-2011 Test of Density, Test Agency
- 020 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 Sample group | | | Customer Sample List | | |
|-----|-------------|-------------------|-----------------|-----------------------|------|------|----------------------|------|------|
| | | | | 1 | 2 | 3 | 1 | 2 | 3 |
| 1 | Density | g/cm ³ | ASTM D2014-2011 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 2 | Tensile | MPa | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 | Elongation | % | ASTM D2014-2011 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4 | Impact | J/m ² | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |
| 5 | Hardness | Shore D | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 | Compression | MPa | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |
| 7 | Modulus | GPa | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |
| 8 | Creep | % | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |
| 9 | Relaxation | % | ASTM D2014-2011 | 10 | 10 | 10 | 10 | 10 | 10 |

FIG. 1. In order to make the strength of two child seats can be compared, set of the test specimen in the same direction about three and four seats in one side to do the tensile strength test comparison.
 2. 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

Sketch Picture

100 pictures 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

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 |
| Clamping is not in place 夹具不在位 | SizeNG 尺寸NG | | 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 ● Make the operation standard book 制定作业标准书 | ● 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 | 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 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 定期保养维护 ● 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 终检工具检查 | | 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 加工条件确认书 ● 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 | | 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



Los productos de espuma de poliuretánicos necesitan, bienvenidos contáctenos.

Amanda



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