



DRIVEN TO FIND SOLUTIONS

DongGuan HuaJun Precision Technology Co., Ltd

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HJ-PRECISION Specializing in
Automotive Parts, Aerospace Parts, Military Parts,
Medical Parts, Electronic Parts, Bike parts,
automation etc.

Our fully integrated manufacturing capability has created a reputation for excellence, with high precision and flexibility our innovative solutions have been designed to meet our customer's specific requirements, Our cost reduction initiatives enable us to successfully compete in the dynamic World of Electronics.

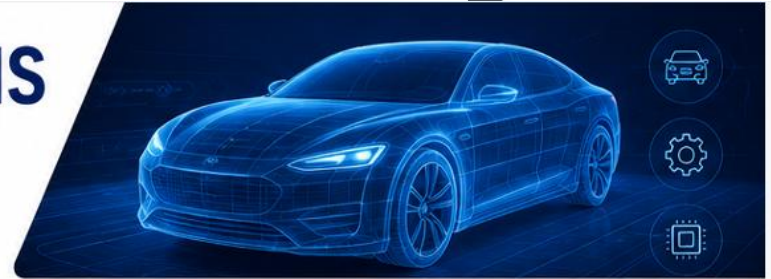


DongGuan HuaJun Precision Technology Co., Ltd

AUTOMOTIVE PRODUCT SOLUTIONS

One-Stop Manufacturing • Precision Quality • Innovative Solutions

We provide comprehensive manufacturing solutions for automotive industry, covering molds, interior & exterior trims, lighting systems, and electronic components.



Precision Manufacturing
High precision, tight tolerance control.



Reliable Quality
Strict quality system ensures stability.



One-Stop Service
From design to mass production.



Innovative Solutions
Support customization to meet diverse needs.

APPLICATIONS



Interior System



Exterior System



Lighting System



Electronic System

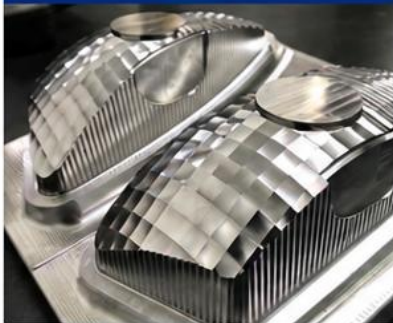


Safety System



Comfort System

MOLD



- Precision mold design and manufacturing
- High quality steel and advanced machining
- Complex structure, multi-cavity capability
- Long service life and stable performance

INTERIOR AND EXTERIOR TRIM



- Interior & exterior trim manufacturing
- Various materials and surface finishes
- High dimensional accuracy and consistency
- Aesthetic design with functional integration

AUTOMOBILE LIGHTING



- Ambient light guide design and production
- Uniform illumination and high light efficiency
- Customizable shapes and lighting effects
- Enhancing driving experience and aesthetics

AUTOMOTIVE ELECTRONIC PARTS



- Automotive-grade PCBA manufacturing
- High reliability and stable performance
- Support for various communication protocols
- Full testing and quality traceability

OUR CAPABILITIES



Mold Design
Professional mold design and simulation analysis.



Precision Machining
CNC, EDM, wire cutting and precision grinding.



Injection Molding
Advanced injection molding with quality control.



Surface Treatment
Multiple surface finishes to meet different needs.



Assembly & Testing
Full assembly and functional testing.



Quality Assurance
Strict quality control system from IQC to OQC.

CUSTOM SOLUTIONS

We provide one-stop solutions from design, development to mass production, supporting OEM/ODM projects with high quality and competitive cost.



CERTIFICATIONS & HONORS

Recognition • Professionalism • Innovation • Quality • Trust

We are proud to be recognized by industry associations and government organizations for our technical strength, product quality and contribution to the industry development.



Industry Recognition

Awarded by leading industry associations for outstanding performance.



Government Certification

Certified by government authorities for our technical capability and compliance.



Professional Excellence

Recognized for our expertise and contribution to industry advancement.



Commitment to Quality

High standards in quality management and continuous improvement.



Trusted Partner

Earned trust from customers and partners through reliability and integrity.

OUR CERTIFICATES & HONORS



Member of Guangdong Province
Mold Industry Association



Member of Dongguan Hardware,
Machinery & Mold Industry Association



Member of Dongguan
Automobile Association

OUR ACHIEVEMENTS



Industry Honors

Recognized by industry associations for outstanding contributions.



Government Certification

Certified by government departments for technical strength and innovation.



Professional Recognition

Acknowledged for our expertise and industry leadership.



Quality Assurance

Committed to high-quality products and excellent services.



Continuous Innovation

Focused on R&D and technology advancement to create more value.

OUR COMMITMENT

We will continue to uphold our core values of quality, innovation and integrity, striving to provide better products and services, and creating greater value for our customers and the industry.



Quality
First



Innovation
Driven



Integrity
Based



Customer
Focused

WORKING TOGETHER FOR A BETTER FUTURE

We look forward to working with more partners to promote industry development and build a brighter future together.






AUTOMOTIVE BUSINESS DEPARTMENT

Innovation Driven • Quality Focused • Customer Oriented • Sustainable Growth

Committed to research and development and production of automotive plastic electronic products.



- 
Advanced R&D
 Focus on innovation and technology development to drive product upgrades.
- 
Premium Quality
 Strict quality control ensures reliable and durable products.
- 
Full-process Manufacturing
 Integrated development and production for efficient and cost-effective delivery.
- 
Customer Collaboration
 Work closely with customers to provide customized solutions and services.
- 
Sustainable Development
 Committed to environmental protection and sustainable growth.

OUR CAPABILITIES

- 
R&D Innovation
 Strong R&D team with rich experience in automotive electronics and plastic products.
- 
Precision Manufacturing
 Advanced equipment and precise processes ensure high accuracy and consistency.
- 
Quality Assurance
 Comprehensive quality management system ensures products meet industry standards.
- 
Product Development
 From concept to mass production, providing one-stop development services.
- 
After-sales Support
 Professional technical support and after-sales service to ensure customer satisfaction.

OUR FOCUS

Dedicated to the research and development and production of automotive plastic electronic products, providing safe, reliable and innovative solutions for the automotive industry.



OUR PRODUCTS

- 
 Automotive Lighting Components
- 
 Interior Electronic Components
- 
 Sensors & Control Modules
- 
 Exterior Electronic Components
- 
 Other Plastic Electronic Products

ENGINEERING DESIGN & CAE SOLUTIONS

Innovative Design • Advanced Simulation • Optimized Performance • Reliable Results



We provide comprehensive engineering design and CAE analysis services across multiple disciplines, helping customers accelerate product development and ensure high performance and reliability.



Multi-Discipline Expertise

Covering structure, optics, electronics and CAE.



Innovative Design Solutions

Creative design to meet diverse application needs.



Advanced CAE Analysis

Accurate simulation to optimize performance and reliability.



Optimized Performance

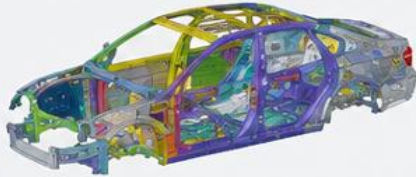
Improve product quality and reduce time to market.



Reliable Support

Professional team providing full support and service.

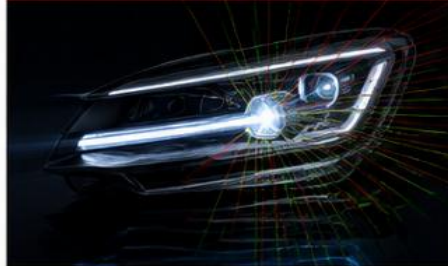
STRUCTURAL DESIGN



We provide structural design and optimization services to ensure strength, durability and safety.

- 3D modeling and assembly design
- Strength and durability analysis
- Lightweight design optimization
- Material selection and structure optimization

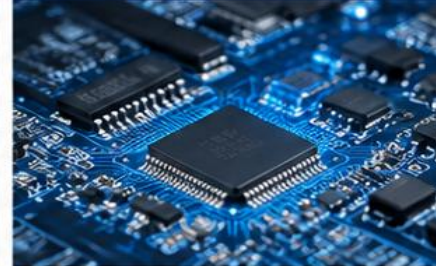
OPTICAL DESIGN



Professional optical design for lighting, display and optical systems to achieve optimal performance.

- Optical simulation and ray tracing
- Light distribution and uniformity analysis
- Lens and light guide design
- Optical system optimization

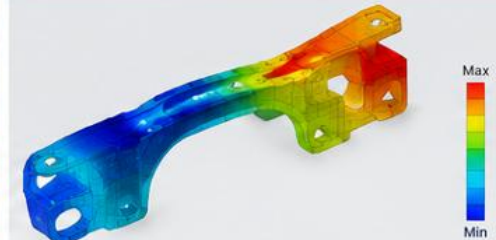
ELECTRONIC DESIGN



End-to-end electronic design services from schematic to PCB layout and validation.

- Schematic design and review
- PCB layout and routing
- Signal integrity and EMC analysis
- Prototype and test support

CAE ANALYSIS



Comprehensive CAE analysis to validate design and optimize product performance.

- Structural analysis (FEA)
- Thermal analysis (CFD)
- Motion and dynamic analysis
- Multi-physics simulation

OUR CAPABILITIES



3D Modeling & Design



Simulation & Analysis



Electronic Design



Optical Design



Prototype Validation



Optimization Solutions

CUSTOM SOLUTIONS

We combine innovative design with advanced simulation technology to deliver customized solutions that help you stay ahead in the competitive market.








MOLD DESIGN & MOLD FLOW ANALYSIS

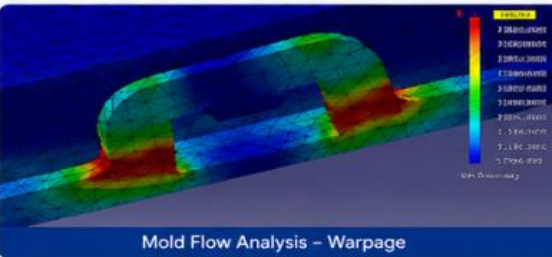
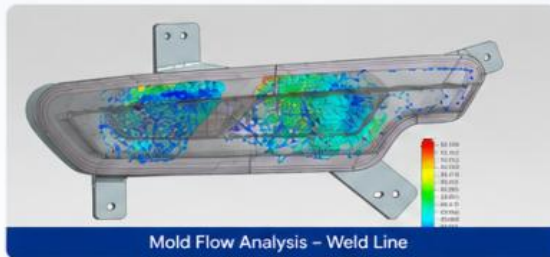
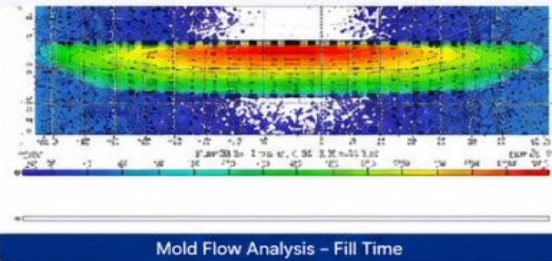
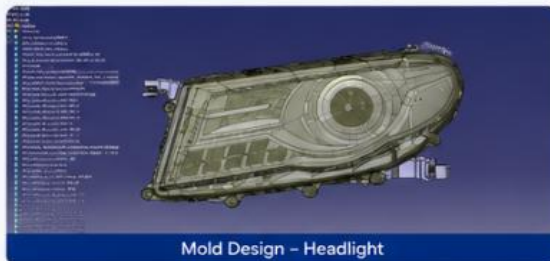
Precision Design • Advanced Simulation • Optimized Manufacturing • Reliable Quality

We provide professional mold design and mold flow analysis services to help optimize product structure, improve mold performance, reduce defects and ensure stable mass production.



- 
Precision Design
 High precision mold design ensures product accuracy and consistency.
- 
Mold Flow Analysis
 Advanced simulation to predict defects and optimize process.
- 
Optimized Performance
 Improve product quality and mold efficiency, reduce cycle time and costs.
- 
Reliable Quality
 Strict design validation and analysis to ensure stable mass production.
- 
Comprehensive Support
 Full support from design to production and after-sales optimization.

DESIGN & ANALYSIS EXAMPLES



KEY BENEFITS

- 
Reduce Development Time
 Optimize design in early stage to shorten development cycle.
- 
Lower Manufacturing Cost
 Improve mold performance and reduce defects & rework.
- 
Improve Product Quality
 Predict and solve potential issues to ensure high quality.
- 
Optimize Process
 Find the best processing parameters for stable mass production.
- 
Experienced Engineering Team
 Professional team with rich experience in mold design and simulation.

OUR CAPABILITIES

- 
3D Mold Design
 Professional 3D design with high precision.
- 
Mold Flow Analysis
 Fill, pack, cool, warp, weld line, air trap, etc.
- 
DFM Evaluation
 Design for Manufacturability analysis.
- 
Process Optimization
 Optimize gate location, cooling system and molding parameters.
- 
Mold Structure Design
 Advanced mold structure design for high performance.
- 
Support & Validation
 Full support from design to production and validation.

CUSTOM SOLUTIONS

We provide customized mold design and mold flow analysis solutions to meet your specific product requirements and help you stay ahead in the market.



PCBA DESIGN & MANUFACTURING

Innovation • Precision • Reliability • Quality • Efficiency

We provide end-to-end PCBA design and manufacturing services, delivering high-performance, reliable and cost-effective solutions for a wide range of applications.



Professional Design

Experienced engineering team providing customized circuit design solutions.



High Quality

Strict quality control system ensures reliable performance and product consistency.



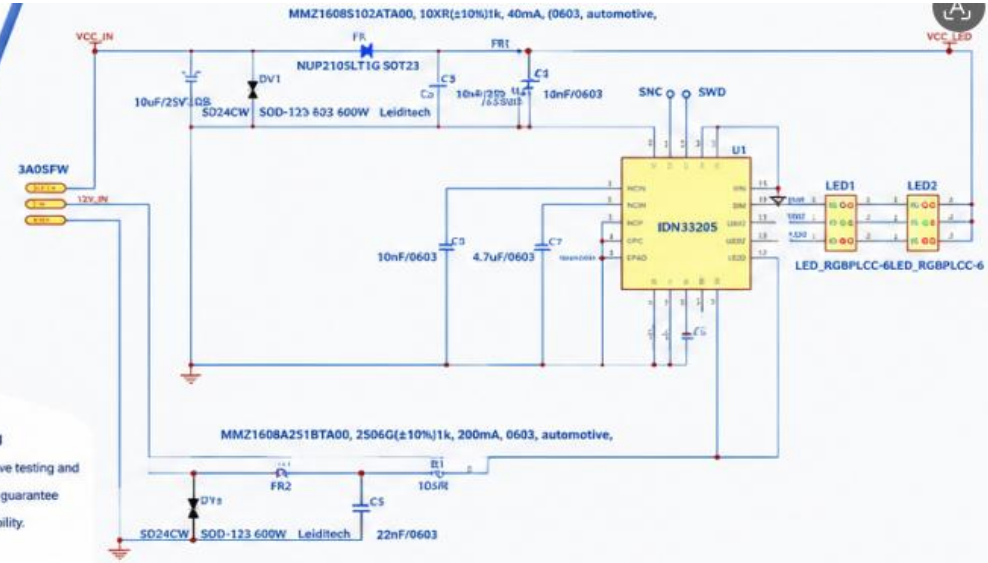
Advanced Manufacturing

State-of-the-art equipment and skilled workforce ensure high precision and efficiency.



Full Testing

Comprehensive testing and inspection to guarantee product reliability.



OUR CAPABILITIES



Circuit Design

Schematic design, PCB layout, DFM analysis and signal integrity optimization.



Component Selection

Optimize BOM for performance, cost and supply chain stability.



PCBA Manufacturing

SMT, DIP, reflow soldering and assembly with high precision.



Testing & Inspection

AOI, ICT, functional testing and X-ray inspection.



After-Sales Support

Technical support and reliable after-sales service.

WHY CHOOSE US

- ✓ Experienced engineering team and proven industry expertise.
- ✓ Advanced equipment and strict quality management.
- ✓ Flexible solutions for prototypes and mass production.
- ✓ Reliable partner for long-term business growth.

APPLICATIONS



Automotive Electronics



Consumer Electronics



Industrial Control



Smart Home Devices



LED Lighting



Medical Devices



Communication Equipment

OUR COMMITMENT



We are committed to providing high-quality PCBA design and manufacturing services to help our customers achieve innovative products and a competitive edge in the market.

Core competence of automotive electronics

R&D capability-design and analysis software

The company has complete testing and testing equipment for materials, machinery, environment, electronic appliances and light distribution, which provides a strong guarantee for manufacturing various high-quality car lamps.

RELIABILITY & ENVIRONMENTAL TESTING EQUIPMENT

Advanced Testing • Reliable Results • Quality Assurance

 <p>VIBRATION TEST SYSTEM Simulates transportation and operational vibration to evaluate product structural reliability.</p>	 <p>INTEGRATING SPHERE SYSTEM Measures luminous flux, color, and other optical parameters with high accuracy.</p>	<p>高频振动试验系统</p>  <p>定频、扫频、随机、冲击、加速度、XYZ三个方向振动</p> <p>HIGH FREQUENCY VIBRATION TEST SYSTEM Performs frequency sweep, random, shock and acceleration tests in X, Y, Z three directions.</p>					
 <p>TEMPERATURE & HUMIDITY TEST CHAMBER Simulates various temperature and humidity environments to verify product performance and reliability.</p>	 <p>SHOCK TEST CHAMBER Evaluates product resistance to sudden impact and shock conditions.</p>	 <p>SALT SPRAY TEST CHAMBER Evaluates corrosion resistance of materials and surface treatments in salt spray environments.</p>					
<table border="0"> <tbody> <tr> <td style="text-align: center;">  <p>Comprehensive Testing Complete reliability and environmental testing capabilities</p> </td> <td style="text-align: center;">  <p>Accurate & Reliable High-precision equipment ensures accurate and repeatable results</p> </td> <td style="text-align: center;">  <p>Quality Assurance Strict testing process ensures product quality and safety</p> </td> <td style="text-align: center;">  <p>Professional Support Experienced engineering team provides strong technical support</p> </td> </tr> </tbody> </table>				 <p>Comprehensive Testing Complete reliability and environmental testing capabilities</p>	 <p>Accurate & Reliable High-precision equipment ensures accurate and repeatable results</p>	 <p>Quality Assurance Strict testing process ensures product quality and safety</p>	 <p>Professional Support Experienced engineering team provides strong technical support</p>
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CERTIFICATIONS

Quality Assured • Standards Certified • Trust Built

Our management systems and quality standards are certified by internationally recognized organizations.

MANAGEMENT SYSTEM CERTIFICATIONS

- Management System Certification
- ISO 9001 | Build in 2015
- ISO 14001 | Build in 2015
- IATF 16949 | Build in 2016
- 3C ect.



SYSTEM CERTIFICATES



Environmental Management System Certificate



Environmental Management System Certificate (English)



Quality Management System Certificate (Chinese)



Quality Management System Certificate (English)

OUR COMMITMENT

-  **Quality First**
We are committed to providing high-quality products and services.
-  **Compliance & Standards**
Strictly adhere to international standards and regulatory requirements.
-  **Continuous Improvement**
Continuously optimize processes to enhance efficiency and quality.
-  **Customer Trust**
Earn the trust of our customers through reliable quality and professional services.

INTERNATIONAL RECOGNITION




Core competence of automotive electronics

Manufacturing capacity-mold manufacturing

MOLD MANUFACTURING EQUIPMENT

Advanced Equipment • Precision Manufacturing • Reliable Quality

MAIN EQUIPMENTS

-  Crane
-  Assembly Machine
-  **CNC Machining Centers**
(800-2600mm)
YEONG, Mazak, FANUC,
KaFo, MAKINO, KaFO, TAZE
-  **EDM**
(740-1880mm)
Accurate, DOPHEN, TAZE
-  **Wire EDM**
MITSUBISHI, BAOMA
-  **Gun Drilling Machine**
(Accurate)



CNC Machining Centers



FANUC CNC Machines



Mazak CNC Machining Center



High-Precision CNC Machining Center
(1500mm)



EDM Machine
(2400rpm)



Wire EDM Machine



High Precision
Advanced equipment ensures
micron-level accuracy



High Efficiency
High-performance machines
improve production efficiency



Strong Capability
Complete equipment configuration
supports diverse mold manufacturing



Reliable Quality
Strict process control guarantees
stable and consistent quality



CNC MACHINING
PARTS



INJECTION MOLDING
PARTS



INJECTION
MOLDS



SHEET METAL
PARTS



PCBA
ASSEMBLY



MOTOR

SMT WORKSHOP

Advanced equipment • Precision manufacturing • Quality assurance



SMT Production Line



High-speed Pick and Place Machine



X-Ray Inspection System



Lead-free Reflow Soldering



Lead-free Wave Soldering



AOI Automatic Optical Inspection



Semi-automatic Printing



Assembly Line

ONE-STOP PCBA SOLUTIONS

High Quality • High Precision • Reliable Delivery



Advanced
Manufacturing



High Precision
Assembly



Strict Quality
Control



On-time
Delivery



Global Standards
Compliant



EV Onboard Charger
Demonstration Board



EV Onboard Charger
Power Board



Automotive
Components



Home Appliance
Control Panel



Smart Home
Product



Wearable
Device



Smart
Display



Double-Sided FPC +
Surface Mount Technology

WIDELY USED IN



EV Charging



Automotive
Electronics



Smart Home
Devices



Wearable
Devices



Smart
Displays



Industrial & Consumer
Electronics

Core competence of automotive electronics

Manufacturing capacity-injection molding

228 injection molding machines (including high-speed transparent injection molding machines and two-color injection molding machines), ranging from 50 tons to 1,300 tons, all equipped with robots. Commonly used plastics include ABS, PC, PC+ABS, POM, PMMA, PA, PPT, PE, PVC, PP single-color injection molding, double-color injection molding, embedded injection molding and so on.

/// INJECTION MOLDING WORKSHOP ///

Advanced Equipment • Efficient Production • Consistent Quality

- 228 imported and domestic injection molding machines from Japan and Germany
- 50T~80T 26 sets
- 100T~150T 96 sets
- 200T -250T 36 sets
- 300T 12 sets
- 350T 10 sets
- 460T 4 sets
- 470T 2 sets
- 550T 2 sets
- 600T 3 sets
- 618T 6 sets
- 718T 4 sets
- 800T 6 sets
- 850T 6 sets
- 1000T 4 sets
- 1200T 2 sets
- 1300T 2 sets
- 250T —550T double color machine 7 sets



228+
Injection Molding Machines
50T - 1300T



Fully Automated
Robots & Automation
Improve Efficiency



Multiple Materials
ABS, PC, PC+ABS, POM,
PA, PMMA, PP, etc.



High Precision
Stable Quality Control
Strict Process Management



High Capacity
Reliable Delivery
On-time Shipment

PLASTIC SURFACE TREATMENT

Advanced Technology • Strict Process • Excellent Quality

UV PRODUCTION LINE



01 PRELIMINARY TREATMENT

Remove surface impurities and prepare for coating.



02 SPRAY

Apply UV coating evenly with precision spraying.



03 UV CURING

UV light curing for high adhesion and superior performance.



04 PRODUCTS GO OUT

Finished products inspection and packaging.

WORKSHOP DISPLAY



VACUUM ALUMINIZING

High-efficiency vacuum coating for metallic finish and enhanced surface properties.



AUTOMATED PRODUCTION EQUIPMENT

Advanced automated equipment for stable quality and high production efficiency.

AUTOMATED ASSEMBLY EQUIPMENT

Smart Automation • High Precision • Stable & Reliable

We provide advanced automated assembly solutions designed to improve efficiency, ensure quality consistency, and reduce labor costs for our customers.



High Precision

Ensure accurate assembly with minimal tolerance and excellent consistency.



Smart Automation

Integrated control systems and sensors for intelligent operation.



Stable & Reliable

Designed for continuous operation with high stability and durability.



High Efficiency

Improve production efficiency and reduce cycle time significantly.



Easy Operation

User-friendly interface and quick changeover for various products.



Custom Solutions

Tailored design to meet specific assembly requirements.

OUR ADVANTAGES

- ✓ Advanced technology and high-quality components
- ✓ Strict quality control and comprehensive testing
- ✓ Flexible solutions for diverse product applications
- ✓ Reduce labor costs and enhance competitiveness
- ✓ Professional support and after-sales service

APPLICATIONS



Automotive Industry



Electronics Industry



Medical Devices



Bike Industry



Home Appliances



Industrial Equipment

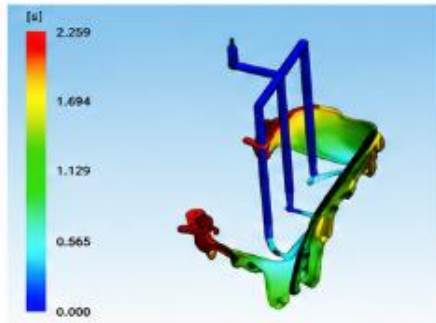


We are committed to delivering reliable and efficient automated assembly solutions to help our customers achieve higher productivity and quality.

PLASTIC MOLD DEVELOPMENT PROCESS

Advanced Technology • Precise Design • Strict Validation • Reliable Quality

1 DFM & MOLDFLOW

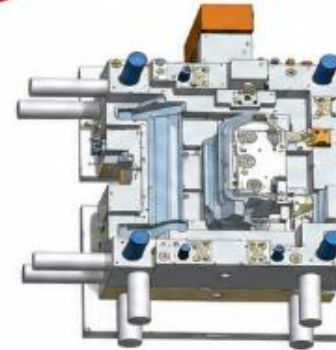


Moldflow Analysis
Optimize gate location, flow balance and cooling system.

DFM Evaluation
Evaluate moldability and improve product quality in advance.



2 MOLD DESIGN

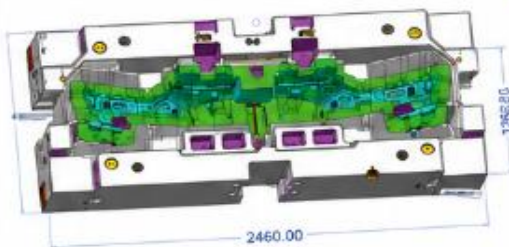


3D Design
Professional 3D mold design for precise structure and function.

Detail Optimization
Optimize structure, cooling system and components to ensure performance.



4 STEEL ORDERING

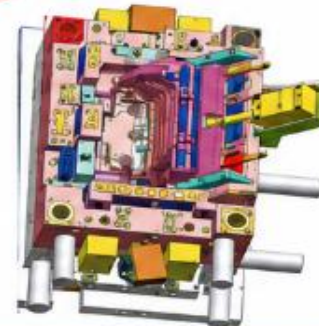


Material Planning
Select suitable steel materials for high performance and long service life.

Steel Ordering
Standardized ordering process to ensure on-time delivery and quality.



3 DESIGN VALIDATION



Design Check
Check interference, stroke and assembly clearance.

Simulation Validation
Validate mold structure and movement to ensure smooth production.

Efficient Process
Standardized process to improve development efficiency.

High Precision
Advanced design and analysis ensure precise mold structure and stable performance.

Quality Assurance
Strict validation and control to ensure high quality of molds and products.

Customer Satisfaction
Provide reliable solutions to meet customer needs and create greater value.

Continuous Improvement
Continuously optimize design and process to enhance competitiveness.

HOT RUNNER SYSTEM & ASSEMBLY WORKSHOP

Precision Manufacturing • Professional Assembly • Reliable Quality

HOT RUNNER SYSTEM



High Precision

Precision machining and assembly ensure stable and consistent performance.



Efficient Heating

Uniform heating for better melt flow control and product quality.



Reliable & Durable

High-quality materials and rigorous testing for long service life.



Customized Solutions

Various specifications available to meet different molding requirements.

PACKAGING & DELIVERY



Secure Packaging

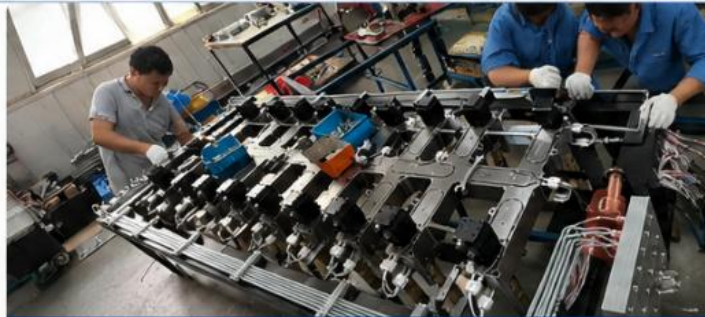
Professional packaging ensures equipment safety during transportation.

ASSEMBLY WORKSHOP



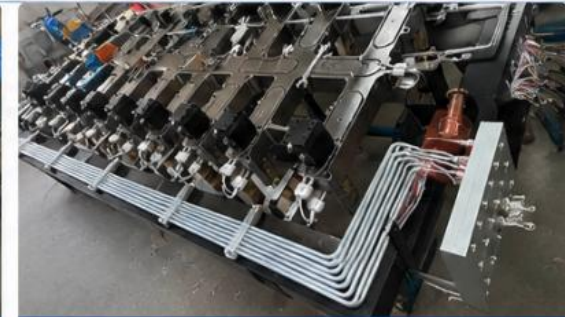
Precision Components

High-precision components ensure excellent system performance.



Professional Assembly

Experienced technicians ensure accurate assembly and strict quality control.



Rigorous Testing

Each hot runner system is tested for leakage, performance and reliability.



High Precision

Tight tolerance control for consistent performance



Stable Performance

Uniform melt flow for high-quality products



Long Service Life

Durable materials and advanced technology ensure reliability



Custom Design

Tailored solutions to meet your specific needs



Professional Team

Skilled engineers and technicians providing strong support

AUTOMOTIVE AMBIENT LIGHT DEVELOPMENT

Innovative Design • Precision Engineering • Superior Quality • Enhanced Driving Experience

PROJECT OVERVIEW

We specialize in the design and development of automotive ambient light systems, providing innovative and reliable lighting solutions that enhance vehicle interior aesthetics and create a premium driving experience.



Stylish Design
Enhance interior ambience and brand image



High Precision
Precise structure design ensures perfect fit



Reliable Quality
Strict quality control for stable performance



Custom Solutions
Tailored design to meet diverse customer needs

PRODUCT STRUCTURE DESIGN



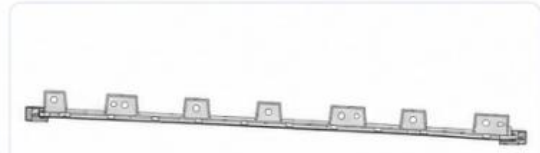
Left Front Ambient Light



Right Front Ambient Light



Front Ambient Light



Left Rear Ambient Light



Right Rear Ambient Light

APPLICATION EFFECT



KEY FEATURES

-  **Uniform Illumination**
Even light distribution with no dark spots
-  **Multiple Colors**
Support RGB multi-color and dynamic effects
-  **Low Power Consumption**
Energy-efficient design for long service life
-  **High Durability**
Automotive-grade materials for reliable performance

DEVELOPMENT ADVANTAGES

-  **Full Development Capability**
From concept design to mass production
-  **Advanced Tools & Equipment**
Professional design and testing equipment
-  **Strict Quality Control**
APQP standard to ensure premium quality
-  **On-time Delivery**
Efficient project management and fast response



Innovative Design
Continuously innovate to create unique lighting solutions



Precision Manufacturing
High-precision production ensures excellent product consistency



Quality Assurance
Comprehensive testing to ensure safety and reliability



Professional Team
Experienced engineers provide strong technical support



Customer Satisfaction
Customer-oriented service for long-term partnerships

AUTOMOTIVE INTERIOR & EXTERIOR PARTS

Precision Manufacturing • High Quality • Custom Solutions • Reliable Performance



We provide high-quality interior and exterior trim parts for automotive industry, with precision manufacturing, excellent surface finish and perfect fit.



Precision Fit
High dimensional accuracy for perfect assembly.



Premium Quality
High-quality materials ensure durability and long-term performance.



Excellent Surface Finish
Smooth surface and consistent color for aesthetic appearance.



Custom Solutions
Support OEM/ODM services to meet diverse customer requirements.



Reliable Performance
Strict quality control to ensure safety and reliability.

PRODUCT DISPLAY



Stylish design with precise fit and high-quality finish.



Applied in modern vehicle interior and exterior.



Durable material with stable structure and excellent performance.

PRODUCT ADVANTAGES



High Precision
Advanced manufacturing process ensures perfect fit and easy installation.



Durable Material
High-quality materials provide excellent mechanical properties and durability.



Aesthetic Finish
Smooth surface with uniform color and high-end appearance.



Customizable Design
Support customized design, color and surface treatment.



Quality Assurance
Strict quality control system to ensure product reliability and consistency.

APPLICATIONS



Interior Trim Panels



Door Decoration Panels



Dashboard Trim



Center Console Trim



Exterior Decorative Trim



Lighting System Components

CUSTOM SOLUTIONS

We provide one-stop solutions from design and development to mass production, ensuring high quality and competitive cost.



AUTOMOTIVE LIGHTING & SENSOR SOLUTIONS

Precision Manufacturing • Reliable Performance • Safety & Innovation

We provide a wide range of automotive lighting and sensor components for various vehicle applications, ensuring safety, reliability and superior performance.



High Reliability
 Strict quality control to ensure long-term stability.



Precision Manufacturing
 Advanced equipment and precision processes for perfect fit.



Innovative Design
 Optimized design for better performance and durability.



Wide Application
 Suitable for various vehicle models and systems.



Safety Assurance
 High-quality components to enhance driving safety.

PRODUCT DISPLAY



Door / Trunk Sensors



Vehicle Application



LED Courtesies / Interior Lamps



Sensor Assembly – Left



Sensor Assembly – Right

APPLICATIONS



Door System



Trunk System



Interior Lighting



Safety System



Various Vehicle Models

PRODUCT ADVANTAGES



Durable & Reliable
 High-quality materials and rigorous testing for durability.



Precise Detection
 High sensitivity and accurate signal transmission.



Easy Installation
 Designed for easy installation and perfect compatibility.



Custom Solutions
 Support OEM/ODM services to meet specific requirements.



Quality Assurance
 Strict quality control system to ensure product reliability.

CUSTOM SOLUTIONS

We provide customized design and manufacturing services to meet your specific needs and help your products stand out in the market.




AUTOMOTIVE CABLE & DOOR SYSTEM SOLUTIONS

Precision Engineering • Reliable Performance • Safety & Comfort

We provide high-quality automotive cables and door system components for various vehicle applications, ensuring smooth operation, safety and durability.




High Reliability
Strict quality control to ensure long-term stability.



Precision Engineering
Advanced design and manufacturing for precise fit and function.



Smooth Operation
Optimized structure to ensure smooth and effortless operation.



Enhanced Comfort
Improve driving experience with reliable and quiet performance.



Custom Solutions
Support OEM/ODM services to meet specific customer requirements.

PRODUCT DISPLAY



Cable Assembly



Vehicle Application



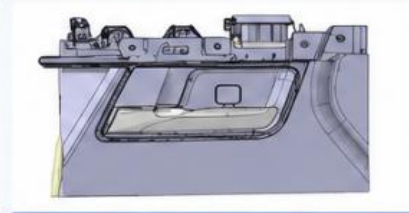
Door Handle Cable – Outer



Door Panel



Door Handle Cable – Inner



Door System Component

PRODUCT ADVANTAGES

-  **Durable & Reliable**
High-quality materials and rigorous testing for durability.
-  **Precise Fit**
High precision design ensures perfect fit and easy installation.
-  **Smooth & Efficient**
Optimized cable structure for smooth and efficient operation.
-  **Noise Reduction**
Low noise design enhances driving comfort.
-  **Custom Solutions**
Support customized design and manufacturing to meet diverse needs.

APPLICATIONS



CUSTOM SOLUTIONS

We provide one-stop solutions from design to production, delivering high-quality cable and door system components for various vehicles.



AUTOMOTIVE LIGHTING SOLUTIONS

Innovative Design • Premium Quality • Advanced Technology • Enhanced Driving Experience

We provide a wide range of automotive lighting products, combining innovative design, advanced technology and high-quality materials to enhance vehicle appearance, safety and comfort.



Innovative Design
Stylish appearance with innovative structure to enhance vehicle aesthetics.



High Quality
Premium materials and strict quality control for durability and reliability.



Advanced Technology
Adopt cutting-edge LED technology for better lighting performance.



Enhanced Safety
Improve visibility and safety for a better driving experience.



Custom Solutions
Support customized design and development to meet diverse customer needs.

PRODUCT DISPLAY



Front Grille Lamp

Welcome lighting solution for front grille, enhancing brand identity.



Vehicle Application

Applied in various vehicle models, enhancing overall appearance.



Rear Threshold Lamp

Enhances visibility and safety for the rear area.



Door Light

Welcome lighting for door area, improving user experience.



Handrail Atmosphere Lamp

Ambient lighting for handrail, creating a comfortable atmosphere.



Footlight

Provides soft lighting for footwell, improving driving comfort.

APPLICATIONS



Front Grille Lighting



Rear Area Lighting



Door Lighting



Interior Ambient Lighting



Footwell Lighting



Welcome & Safety Lighting

PRODUCT ADVANTAGES



High Reliability

Strict quality control and testing ensure long-term stability.



Excellent Performance

High brightness, low power consumption and stable performance.



Easy Installation

Optimized structure design for convenient installation and maintenance.



Aesthetic Appearance

Exquisite design to enhance vehicle grade and value.



Custom Solutions

Support OEM/ODM services to meet individual customer requirements.

CUSTOM SOLUTIONS

We provide one-stop solutions from design and development to mass production, delivering high-quality lighting products to help your brand stand out in the market.



TRANSPARENT LIGHT GUIDE STRIPS

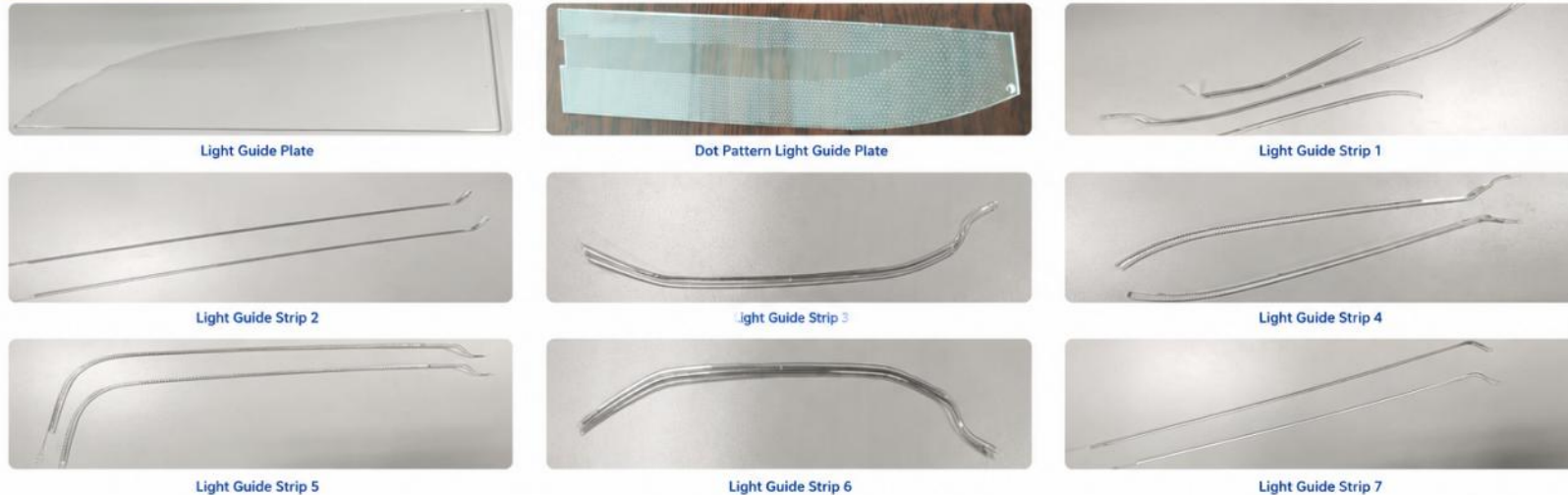
HIGH TRANSPARENCY • UNIFORM ILLUMINATION • PREMIUM QUALITY

Our transparent light guide strips are widely used in automotive ambient lighting systems. With excellent light transmission, precise structure and high reliability, they deliver uniform and soft illumination to enhance vehicle interior aesthetics and user experience.



 <p>High Transparency Up to 92% light transmission rate</p>	 <p>Uniform Illumination Dot-free, no dark areas, soft and comfortable</p>	 <p>Precision Structure High dimensional accuracy and consistent quality</p>	 <p>High Temperature Resistance Stable performance under harsh environments</p>	 <p>Lightweight Design Reduce overall weight and improve energy efficiency</p>
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PRODUCT DISPLAY



APPLICATIONS

- Door panels ambient light
- Dashboard decorative light
- Center console ambient light
- Footwell ambient light
- Decorative trim lighting
- Custom ambient lighting solutions

CUSTOM SOLUTIONS

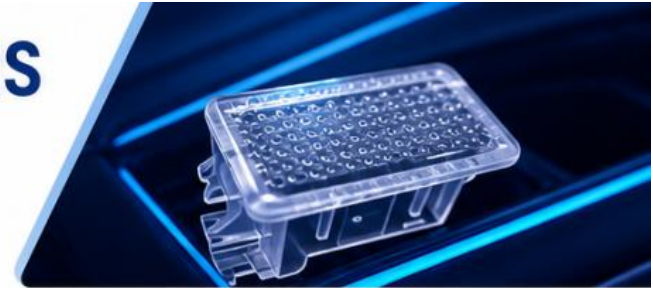
- | | | | | |
|-------------------------|---------------------------|------------------------|----------------------------------|---|
| Custom length and shape | Dot pattern customization | Luminance optimization | Quick prototyping and validation | Mass production with consistent quality |
|-------------------------|---------------------------|------------------------|----------------------------------|---|



TRANSPARENT LIGHT GUIDE SOLUTIONS

High Transparency • Precision Optics • Uniform Illumination • Custom Solutions

Our transparent light guide products are widely used in automotive ambient lighting, interior lighting systems and display backlighting, delivering excellent light transmission, uniform illumination and high reliability.



High Transparency
Up to 92% light transmission rate



Uniform Illumination
Dot-free, soft and consistent lighting



Precision Optics
Advanced optical design for optimal performance



Lightweight Design
Reduce overall weight and improve efficiency



Reliable Quality
Strict quality control for long-term stability



Custom Solutions
Support OEM/ODM to meet diverse needs

PRODUCT DISPLAY



Light Guide Part 1



Light Guide Part 2



Light Guide Part 3



Light Guide Part 4



Light Guide Part 5



Light Guide Part 6

PRODUCT ADVANTAGES



Excellent Light Transmission
High transparency material ensures maximum light output.



Uniform & Soft Lighting
Special optical structure for dot-free and even illumination.



High Precision
Precision molding and optical design for perfect fit and function.



Lightweight & Durable
Lightweight design with excellent mechanical strength.



Wide Applications
Suitable for automotive, home appliance, and display lighting systems.



Custom Design Support
Flexible customization to meet specific project requirements.

APPLICATIONS



Automotive Ambient Light



Dashboard Lighting



Door Panel Lighting



Center Console Lighting



Seat Surround Lighting



Display Backlighting



Home Appliance Lighting

CUSTOM SOLUTIONS

We provide one-stop solutions from optical design, mold development to mass production, ensuring high quality and competitive cost.



AMBIENT LIGHT BRACKETS SOLUTIONS

Precision Manufacturing • High Quality • Perfect Fit • Reliable Performance

We provide high-quality ambient light brackets for automotive interior, with precision design and excellent manufacturing to ensure perfect fit, stable installation and long-term reliability.



Precision Design

High precision mold design for accurate fit and easy installation.



Premium Quality

High-quality materials and strict quality control ensure durability and reliability.



Stable Structure

Robust design ensures stable installation and vibration resistance.



Easy Installation

Optimized structure for quick installation and labor saving.



Custom Solutions

Support OEM/ODM services to meet diverse customer requirements.

PRODUCT DISPLAY



Ambient Light Bracket – A



Ambient Light Bracket – B



Ambient Light Bracket – C



Ambient Light Bracket – D



Ambient Light Bracket – E



Ambient Light Bracket – F

PRODUCT ADVANTAGES



High Reliability

Strict quality control and testing ensure long-term stability.



Perfect Fit

Precision manufacturing ensures perfect fit with vehicle design.



Durable Material

High-quality material with excellent mechanical properties.



Easy Installation

Designed for easy installation, reducing assembly time.



Customizable Design

Support customized design and development to meet specific needs.

APPLICATIONS



Door Trim Ambient Light



Dashboard Ambient Light



Center Console Ambient Light



Footwell Ambient Light



Door Panel Ambient Light



More Interior Applications

CUSTOM SOLUTIONS

We provide one-stop solutions from design and development to mass production, delivering high-quality products to help your brand stand out in the market.



TWO-COLOR INJECTION MOLDED PARTS

Precision Craftsmanship • Superior Aesthetics • Reliable Quality • Innovative Solutions

SEAMLESS INTEGRATION ENHANCED BY DESIGN

Our two-color injection molding technology combines different materials and colors in one process, delivering premium appearance, comfortable touch, and long-lasting performance for automotive applications.



Two-Color Integration



Premium Aesthetics



Durable & Reliable



High Precision



Wide Applications



PRODUCT DISPLAY



Decorative Trim Part 1



Decorative Trim Part 2



Decorative Trim Part 3



Light Guide Component 1



Light Guide Component 2



Light Guide Component 3

PRODUCT ADVANTAGES



Two-Color Molding Expertise

Advanced technology for perfect two-color integration.



High-Quality Finish

Smooth surface, vibrant colors and premium look.



High Precision

Tight tolerance control for consistent performance.



Strong Durability

Excellent material bonding for long-term reliability.



Automotive Grade

Meet automotive industry standards and requirements.



Mass Production Capability

Efficient production to ensure stable supply and delivery.

APPLICATIONS



Door Panel
Decorative Trim



Ambient Light
Components



Interior Light
Guides



Center Console
Trim Parts



Dashboard
Decorative Parts



Other Interior
Applications

CUSTOM SOLUTIONS

We provide customized design and manufacturing solutions to meet your specific needs.



TWO-COLOR INJECTION MOLDING SOLUTIONS

Precision Manufacturing • Innovative Design • Premium Quality • Reliable Performance

We specialize in two-color injection molding technology, delivering high-quality, aesthetically appealing and functional automotive components for various applications.



Two-Color Technology
Advanced two-color molding for enhanced aesthetics and brand identity.



Premium Quality
Strict quality control ensures consistent performance and long-lasting durability.



Innovative Design
Complex shapes and seamless color transitions for modern and elegant appearance.



High Precision
Precision molds and advanced processes ensure perfect fit and finish.



Wide Applications
Suitable for interior, exterior and functional automotive components.

PRODUCT DISPLAY



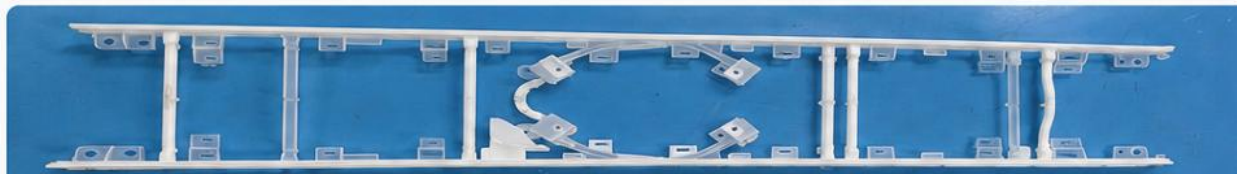
Two-Color Decorative Part



Two-Color Tail Lamp Assembly (Left)



Two-Color Tail Lamp Assembly (Right)



Two-Color Interior Support Bracket

APPLICATIONS



Tail Lamp Assemblies



Exterior Trim Components



Interior Decorative Parts



Functional Brackets



Brand Logo & Decorative Parts

PRODUCT ADVANTAGES



Beautiful & Distinctive
Two-color design enhances product appearance and brand value.



Strong & Durable
High-quality materials ensure excellent mechanical properties and reliability.



Consistent Quality
Advanced molding process ensures stable quality in mass production.



Cost-Effective
Integrated molding process reduces assembly steps and overall cost.



Custom Solutions
Support customized design and development to meet diverse customer needs.

CUSTOM SOLUTIONS

We provide one-stop solutions from design and mold development to mass production, delivering high-quality two-color injection molded parts for various automotive applications.



OVER-MOLDING SOLUTIONS

Strong Bonding • Enhanced Durability • Precision Design • Cost-Effective Manufacturing

We provide high-quality over-molding solutions by combining multiple materials to improve product performance, durability and user experience.



Strong Bonding

Excellent adhesion between different materials for superior performance.



Enhanced Durability

Improve wear resistance, impact resistance and long-term reliability.



Precision Design

Complex structures with high accuracy and tight tolerances.



Cost-Effective

Integrated molding process reduces assembly steps and overall costs.



Wide Applications

Suitable for automotive, electronics, industrial and other various industries.

PRODUCT DISPLAY



Over-Molded Cover Part



Over-Molded Housing Part



Over-Molded Structural Bracket



Metal Insert Over-Molded for Strong Fixation



Precision Over-Molding for Tight Tolerance



Multi-Material Integration for Enhanced Performance



Wear-Resistant Over-Molding for Long Service Life

PRODUCT ADVANTAGES



Superior Performance

Over-molding enhances mechanical properties and product reliability.



Strong & Durable

Excellent bonding strength ensures long-lasting performance.



Design Flexibility

Supports complex shapes and multi-material combinations.



Cost Savings

Reduces assembly and processing steps, improving efficiency.



Wide Applications

Suitable for automotive, electronics, industrial and more.

APPLICATIONS



Automotive Components



Electronic Devices



Industrial Equipment



Power Tool Parts



Home Appliance Parts



Medical Device Components

CUSTOM SOLUTIONS

We provide one-stop solutions from design and material selection to mold development and mass production, delivering high-quality over-molded parts for your products.



AMBIENT LIGHT PCB SOLUTIONS

High Brightness • Low Power Consumption • Stable Performance • Custom Solutions



We provide a wide range of ambient light PCBs for automotive interior lighting systems, featuring high brightness, low power consumption and excellent stability.



High Brightness

High-efficiency LEDs for uniform and soft illumination.



Low Power Consumption

Energy-saving design for long-lasting performance.



Stable & Reliable

Automotive-grade components ensure stable operation.



Compact Design

Small size, lightweight and easy integration.



Customization

Flexible design to meet various application needs.

PRODUCT DISPLAY



Ambient Light PCB 1



Ambient Light PCB 2



Ambient Light PCB 3



Ambient Light PCB 4



Ambient Light PCB 5



Ambient Light PCB 6



Ambient Light PCB 7



Ambient Light PCB 8

KEY FEATURES



High Brightness

High-luminance LEDs provide uniform and soft lighting.



Low Power Consumption

Optimized circuit design for energy efficiency.



Stable Performance

Built with automotive-grade components for reliability.



Compact Size

Space-saving design for easy integration.



Custom Solutions

Support OEM/ODM for different requirements.



Mass Production

Advanced manufacturing capability ensures consistent quality.

APPLICATIONS



Door Panel Ambient Light



Dashboard Decorative Light



Center Console Ambient Light



Footwell Ambient Light



Seat Surround Ambient Light



Decorative Trim Ambient Light

CUSTOM SOLUTIONS

We offer PCB design, development and manufacturing services to meet your specific ambient lighting applications.

AUTOMOTIVE INTERIOR & EXTERIOR PARTS DEVELOPMENT

From Concept to Production • Precision Engineering • Excellent Quality • Customer Satisfaction

VEHICLE PLATFORM



Structural Design

High-precision CAD design and CAE analysis for optimized structure and performance.

VEHICLE APPLICATION



Real Vehicle Application

Our parts are widely used in automotive interior and exterior systems to enhance aesthetics, functionality and safety.

DOOR PANEL SYSTEM



Door Panel Design

Ergonomic design with precise structure, excellent fit and easy assembly.

TYPICAL PRODUCTS



Smart Key

High-quality surface and reliable performance.



Center Console Panel

Integrated design for functional and aesthetic enhancement.



Roof Lamp Assembly

Precision structure with multiple functions for lighting and control.



Reflector - Left

Optical-grade material for high visibility and safety.



Reflector - Right

Durable design for long-term reliability and performance.

DEVELOPMENT PROCESS



01

Requirement Analysis
Analyze customer needs and define product specifications.



02

Design & Engineering
3D modeling, structural design and simulation validation.



03

Prototype Development
Rapid prototyping and functional testing to verify design feasibility.



04

Testing & Validation
Performance, durability and fitment testing to ensure quality.



05

Mass Production
High-quality manufacturing and strict quality control for mass production.



Precision Design

Advanced CAD/CAE technology ensures accurate and reliable product performance.



High Quality

Strict quality control system to ensure consistent and stable quality.



Wide Application

Products are widely used in interior and exterior systems of various vehicle models.



Strong Capability

From design to mass production, we provide one-stop solutions with strong engineering support.



Customer Focused

Customer-oriented service with fast response and continuous improvement.

AUTOMOTIVE WIRING HARNESS & CABLE ASSEMBLY

Precision Manufacturing • Reliable Performance • Safety & Durability • Custom Solutions

We provide high-quality automotive wiring harnesses and cable assemblies for various vehicle applications, ensuring safe transmission, stable performance and easy installation.



High Reliability
 Strict quality control to ensure stable performance.



Precision Manufacturing
 Advanced equipment and precision processes for perfect fit.



Durable & Long-lasting
 High-quality materials for excellent durability and vibration resistance.



Easy Installation
 Optimized design for quick installation and labor saving.



Custom Solutions
 Support OEM/ODM services to meet diverse customer requirements.

PRODUCT DISPLAY



Seat Wiring Harness Assembly



Roof Wiring Harness Assembly



Interior Wiring Harness Assembly



Vehicle Application



Door Wiring Harness Assembly - Left



Door Wiring Harness Assembly - Right

PRODUCT ADVANTAGES



Safe & Reliable
 Ensures stable signal and power transmission for vehicle safety.



Excellent Performance
 Low resistance, high conductivity and anti-interference.



High Durability
 Heat resistance, vibration resistance and long service life.



Easy Installation
 Standardized design for simplified assembly and reduced labor cost.



Custom Solutions
 Support customized design and development to meet specific needs.

APPLICATIONS



Seat System



Roof System



Door System



Interior System



Ambient Lighting



Vehicle Overall Wiring

CUSTOM SOLUTIONS

We provide one-stop solutions from design and development to mass production, delivering high-quality wiring harness and cable assemblies for various automotive applications.



CONSUMER ROBOT VACUUM CLEANER SOLUTIONS

Precision Manufacturing • Innovative Design • Premium Quality • Reliable Performance

We provide high-quality components and assemblies for consumer robot vacuum cleaners, combining advanced technology, precision manufacturing and strict quality control to deliver reliable performance and excellent user experience.



Precision Manufacturing
 High-precision molds and advanced processes ensure consistent quality.



Premium Quality
 Strict quality control system guarantees reliable performance and durability.



Innovative Design
 Support innovative design and customization to meet diverse market needs.



Reliable Performance
 Stable and efficient operation for a better cleaning experience.



One-Stop Solutions
 Provide full-process services from design to mass production.



PRODUCT DISPLAY



Robot Vacuum Cleaner (White)



Robot Vacuum Cleaner (Black)



Robot Vacuum Cleaner (White)

Auto-Empty Station & Robot



Robot Vacuum Cleaner (Blue)



Robot Vacuum Cleaner (Dark Blue)



Robot Vacuum Cleaner (Black)

PRODUCT ADVANTAGES



High Reliability
 Strict testing and quality control ensure long-term stable operation.



Excellent Performance
 Efficient cleaning performance with low noise and low energy consumption.



Durable Materials
 High-quality materials for superior wear resistance and impact resistance.



Perfect Fit
 Precision manufacturing ensures perfect assembly and compatibility.



Custom Solutions
 Support customized design and development to meet specific needs.

APPLICATIONS



Home Cleaning Robot



Smart Home Devices



Commercial Cleaning Robot



Hotel Cleaning Robot



Office Cleaning Robot



Industrial Cleaning Robot

CUSTOM SOLUTIONS

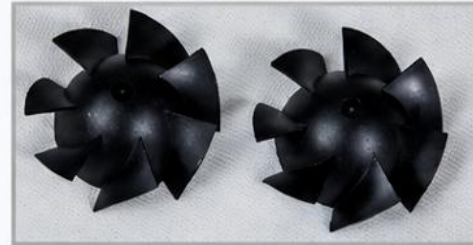
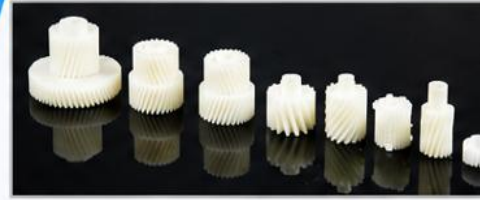
We provide one-stop solutions from design and development to mass production, delivering high-quality components and assemblies for consumer robot vacuum cleaners to help your products stand out in the market.



PRECISION PLASTIC GEAR MANUFACTURING

High Precision • Durable Materials • Smooth Operation • Custom Solutions

Specialized in high-precision plastic gear and functional part manufacturing, delivering reliable solutions for various industrial applications.



High Precision

Advanced equipment and precision process ensure exact dimensions and consistent performance.



Quality Materials

Engineering plastics with excellent wear resistance, strength and stability.



Smooth & Quiet Operation

Optimized gear design and manufacturing for low noise and high efficiency.



Custom Solutions

Support customization for various gear types and functional components.



Wide Applications

Ideal for automotive, industrial, electronics, medical and consumer products.

OUR CAPABILITIES



Precision Molding

High-precision injection molding with tight tolerance control.



Gear Manufacturing

Spur gears, helical gears, bevel gears, worm gears and custom gears.



Advanced Equipment

CNC machining, high-precision mold making, and automated inspection systems.



Quality Control

Strict quality management system to ensure product reliability and durability.



Engineering Support

Professional technical support from design to mass production.

OUR ADVANTAGES

- ✓ High precision and stable performance
- ✓ Low friction, wear-resistant and durable
- ✓ Cost-effective and reliable solutions
- ✓ Fast response and on-time delivery
- ✓ Long-term partnership and support

APPLICATIONS



Automotive Components



Industrial Equipment



Consumer Electronics



Medical Devices



Office Equipment



Home Appliance



Other Applications

A photograph of three Cadillac cars parked on a paved road. The car on the left is blue, the middle one is red, and the one on the right is blue. The background shows a clear blue sky with scattered white clouds and a line of trees in the distance. The word "Thanks" is overlaid in large black font across the center of the image.

Thanks