

Intellectual Property Protection

Luxshare Precision strictly adheres to the *Patent Law of the People's Republic of China*, the *Copyright Law of the People's Republic of China*, the *Trademark Law of the People's Republic of China*, and other relevant legal frameworks. In 2024, we proactively updated our internal governance documents, including the *Intellectual Property Manual* and the *Intellectual Property Management and Control Procedures*, aligning with the revised *Guidelines for Enterprise Intellectual Property Compliance Management Systems (GB/T 29490)*. These measures systematically fortify our Intellectual Property (IP) protection infrastructure.

Guided by the principle of respecting all stakeholders' intellectual property, Luxshare Precision implements holistic IP risk management across the entire product development lifecycle, ensuring comprehensive safeguarding of the Company's legitimate interests.

Intellectual Property Risk Management Across the Product Lifecycle

 Before development	<ul style="list-style-type: none"> Utilize risk analysis maps to accurately pinpoint potential risk areas Conduct market patent research to gain insights into the dynamics of industry intellectual property
 During development	<ul style="list-style-type: none"> Conduct internal risk assessments and timely warnings of intellectual property risks Customize intellectual property risk management measures according to the needs of various departments
 After development	<ul style="list-style-type: none"> Keep a close eye on market trends and promptly identify and respond to infringement behaviors Adhere to the principle of respecting the intellectual property rights of all parties and properly handle potential risks

During the Reporting Period, Luxshare Precision:

 Trademark invalidation and opposition handled **24** cases

 **Zero** major incident of trademark, patent, or copyright infringement

 Patent landscape analysis conducted **7** pieces



Cultivating Green Products

Luxshare Precision has integrated the R&D and application of clean technology products into our strategic roadmap for sustainable development and business growth. Guided by a green product philosophy rooted in resource conservation and environmental stewardship, we rigorously implement full lifecycle hazardous substances management to advance our green chemical transition.

Clean Technology Opportunities

Focusing on key clean technology domains, including new energy vehicles, system and technologies optimization, reuse and recycling, power management, and renewables, we have set clear R&D investment targets. We are actively advancing the development and commercialization of clean technology products such as electric vehicle powertrains, data center cooling solutions, thermal management systems, and wireless charging technologies. Through these efforts, we continuously deliver energy-efficient products and solutions that empower clients to achieve their sustainability goals.

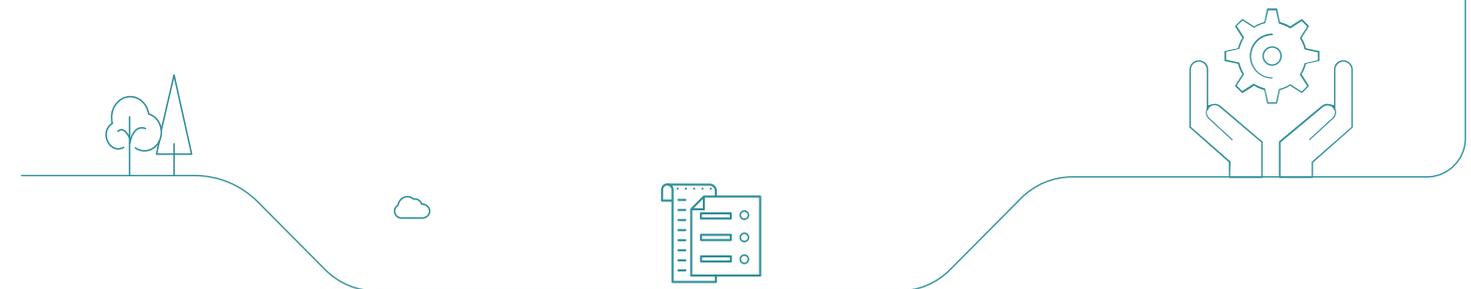
During the Reporting Period, Luxshare Precision:

 Investment in clean technology R&D exceeded **400** million RMB

 Clean technology related patents obtained were **50**

In 2025:

 Target to increase investment in clean technology R&D to **470** million RMB



Core Clean Technology Products

Clean Technology Type	Product Category	Product Name & Description	Revenue Contribution
 <p>Energy Efficiency</p>	<p>Fuel Economy: Specialize in enhancing energy efficiency in electric vehicles through advanced technologies and solutions. By developing optimized electrical energy transmission systems and products, we improve charging efficiency and safety performance, boosting energy utilization rates</p>	<p>Electric Vehicle Motor Controller A core component of new energy vehicles, enabling efficient and precise control of motor speed and direction to support startup, acceleration, and braking functions.</p> <p>Electric Vehicle Powertrain Core component of new energy vehicles, integrating power battery, electric drive, and electronic control system. Compact design and high energy conversion efficiency enhance driving stability and energy efficiency.</p>	<p><20%</p> <p>Under development</p>
	<p>Industrial Operations & Automation: Design energy system optimization technologies and products to enable smart optimization and control across various scenarios, including data centers and consumer applications. Thereby, it ensures efficient energy utilization.</p>	<p>"Light Active" Series Achieving 40%-60% system power consumption reduction compared to conventional AOC optical modules, this series leverages advancements in chip balancing amplification, re-timing, and digital signal processing to extend copper cable application lengths. It further optimizes passive copper cables with smaller diameters and bending radii, streamlining cabling in data centers while maintaining performance.</p> <p>140W 2C1A PD Fast Charger Reducing the wear and tear on power sockets and lowering energy use through multi-protocol support (PD3.0, QC3.0, UFCS fusion fast charging), this charger enables simultaneous charging for diverse devices. Its design prioritizes both efficiency and user convenience, addressing growing demands for high-power, multi-device charging solutions</p> <p>High-Speed Interconnect AI Data Centre Enabling large-scale commercial deployment of 112 Gbps products and pilot-scale 224 Gbps systems, this solution integrates customizable cable backplanes, Chip2IO high-efficiency connectivity, NPC connector modules, and AI cluster optical interconnects. These innovations enhance signal integrity in high-speed links, significantly reduce power consumption, and extend transmission distances for next-gen AI infrastructure.</p>	<p><20%</p> <p><20%</p> <p><20%</p>
	<p>Power Management: Adopt advanced power conversion modules to enhance battery efficiency and reduce energy loss.</p>	<p>Titanium CRPS1300W Server Power Supply Achieving 96% peak efficiency across 30%-60% load range (2023 EU Titanium standard compliant), this server power supply effectively reduces the PUE of data center through optimized energy conversion performance.</p>	<p>Under development</p>
	<p>Recycling & Reuse: Diligently identify and capitalize on opportunities for recycling and repurposing waste materials. It pioneers innovative recycling technologies for reused metals and plastics, thereby actively contributing to a significant reduction in the raw material consumption of our products.</p>	<p>Wireless Charging Base & Charging Series Products Reducing carbon emissions by 0.013kg per product on average, this series utilizes post-consumer recycled plastic material through polymerized modification, achieving a recycled plastic PCR content of up to 98%.</p> <p>Wall Charger Series Each of the seven products in this series utilizes PCR plastic that has undergone polymer modification. One model boasts a PCR content of up to 99%, thus effectively diminishing greenhouse gas emissions.</p> <p>Vehicle Harnesses The entire series of harness assemblies is manufactured from environmentally friendly and recyclable materials conforming to standards GB/T 30512-2014, RoHS, and REACH, well enhancing the utilization rate of resources.</p>	<p><20%</p> <p><20%</p> <p><20%</p>
 <p>Alternative Energy</p>	<p>Solar Power: Leveraging deep insights into photovoltaic power generation systems and emerging industry trends, we strategically deploy clean technology products and services encompassing solar inverters and energy storage inverters. This enables us to deliver stable, efficient, and secure customized solutions that flexibly address diverse client requirements.</p>	<p>Photovoltaic Inverters The photovoltaic inverter converts the direct current generated by the module into alternating current, tracks the maximum output power of the photovoltaic array, and feeds its output energy into the grid with minimum conversion loss, contributing to an energy-saving, environmental friendly and low-carbon life.</p>	<p><20%</p>
	<p>Fuel Cells/Hydrogen: Devote to hydrogen production, storage, and transportation scenarios. It deploys optimized solutions for hydrogen generation, storage, and provision, driving the transformation of the energy mix.</p>	<p>Hydrogen Fuel Cell Stack The development of a 140kW graphite-based hydrogen fuel cell stack enhances reaction efficiency for medium-to-heavy-duty trucks' fuel cells, providing ample power for operating vehicles.</p>	<p>Under development</p>