2024 Environmental Sustainability Report

Chun Wang & Jianwen Yu

Preface

- ✓ We are committed to environmental responsibility, actively reducing our environmental impact and promoting a green, low-carbon lifestyle within our operations and beyond.

- ✓ This report covers Resource Utilization Efficiency, Energy Efficiency Improvement, Waste Management, and Green Supply Chain. It ensures transparency in our environmental performance, driving us to pursue higher standards.

- ✓ We are committed to regularly publishing environmental reports with accurate data, embracing public oversight in our contribution to a sustainable future..

Summary

This report outlines our achievements in environmental protection and sustainable development in recent years.

Introduction of Initiatives

- We Introduced **ISO14064-1** and **ISO14067** in 2022
- Implementation of an energy management system
- Installation of solar power generation equipment
- Development of low-carbon products
- Improvements in our zero-carbon projects

Achievements

- Our annual electricity use was reduced by 10.51%
- Renewable energy, specifically solar power, now covers 16.71% of our total use
- We reduced carbon emissions per 10,000 RMB revenue by 14%
- 121 tons of resources recycled in two years
- We earned Green Factory Certification in 2023
- We passed the Water-Saving Enterprise Evaluation in 2024

Contents

Resource Utilization Efficiency

- ✓ Emission Reduction Results
- ✓ Emission Reduction Plans
- ✓ Solar Power System
- ✓ Data Collection & Analysis
- ✓ Energy-Saving Improvements
- ✓ Production Efficiency Enhancement
- ✓ Water Resource Management

Energy Efficiency Improvement

- ✓ Low-Carbon Product Development
- ✓ Process Optimization
- ✓ Energy System Implementation

Waste Management

- ✓ Classification Management
- ✓ Waste Treatment
- ✓ Circular Economy
- ✓ Compliance Management

Green Supply Chain

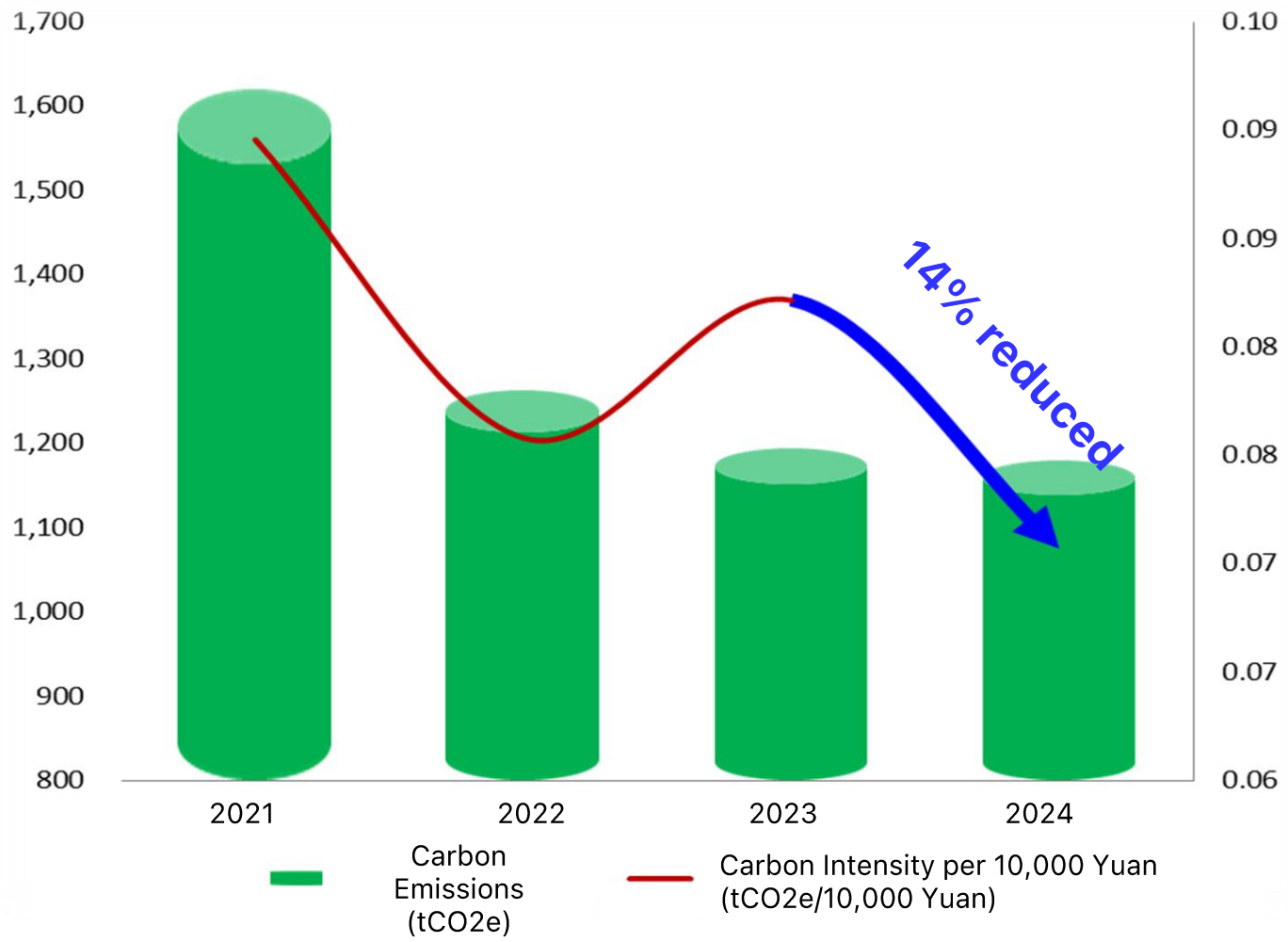
- ✓ FSC-Certified Suppliers

01

Resource Utilization Efficiency

Energy and Emission Reduction Results -1

Following ISO 14064-1 guidelines, EXW is committed to reducing carbon emissions. **Since 2022, our total carbon emissions have dropped by 25.14%, and our carbon intensity (per 10,000 RMB revenue) has fallen by 14.96%.**



Energy and Emission Reduction Results -2

We have implemented various improvements to reduce electricity consumption and cut carbon emissions. **Based on these improvements, we estimate an annual decrease of 10.51% in electricity use and a potential reduction of 132.7 tons in carbon emissions.**

No.	Item	Before Improvement (kWh/day)	After Improvement (kWh/day)	Reduction (%)	Annual Energy Savings (kWh)	Annual Carbon Reduction (tCO2e)
1	Electric Humidifier	480.95	191.91	60.1%	69,948	47.7
2	Cooling Tower	340	161.00	52.6%	51,194	34.9
3	Energy-saving Dryer	105	18.00	82.9%	24,882	17.0
4	Drying Machine	230	180.00	21.7%	14,300	9.8
5	High-power Lamp	39.85	26.67	33.1%	3,610	2.5
6	Solar Lighting	41.63	0.00	100.0%	15,005	10.2
7	Air Compressor Waste Heat Recovery	800	500.00	38.0%	15,600	10.6
Total		**2037.48**	**1077.58**	**47.11%**	**194,538**	**132.7**

Energy Conservation and Emission Reduction Plan

We monitor carbon emissions during production through zero-carbon initiatives, implementing data-driven measures across **seven key areas** to effectively reduce carbon footprint.

No.	Project	Subproject	Current Situation	Improvement Plan	Due Date	Person in Charge
1	Photovoltaic Power Generation	Photovoltaic Power Engineering Equipment	Full reliance on grid electricity	Install photovoltaic power generation equipment	2022/3/20	Yu Jianwen
2	Energy Management System introduced	Audit of High Power Consumption Areas	Unclear power usage in each area	Implement daily monitoring of high power consumption areas and install 55 digital meters	2023/10/5	Yu Jianwen
		Digital Meter Installation (55 PCS)	Traditional meters in use	Install 55 digital meters	2023/9/24	Yu Jianwen
		EMS Application	Energy Management System	Implement EMS Application for Energy Management System, including 1. Collecting electricity consumption data via d-Energy 2. Monitoring power usage, electroplating tank, and on-site temperature	2024/4/28	Yu Jianwen
3	Electroplating Production Line Improvement	Chemical Tank Insulation Improvement	Tank heat loss due to poor insulation	Upgrade to new insulation for chemical tanks	2024/9/30	Yu Jianwen
		Automatic Water Supplementation System	Manual water supplementation causing inefficiency	Implement intelligent control for water supplementation	2024/4/27	Yu Jianwen
4	Injection Cooling System & Dryer Optimization	Cooling System Upgrade	Injection and assembly workshops still use cooling towers.	1.Install frequency converters on all the cooling towers 2.Add electric valves to the assembly workshop cooling tower.	2024/1/29	Yu Jianwen
		Dryer Improvement	No energy-saving regulation	1. Install insulation covers 2. Add servo drive to the dryer.	2024/10/15	Yu Jianwen
5	Air Compressor Waste Heat Recovery	Energy-saving Transformation for Drying Machine	Inefficient drying machine	Upgrade drying machine for energy efficiency	2024/11/1	Yu Jianwen
		Air Compressor Waste Heat Recovery System	Air compressor heat energy wasted	Utilize a waste heat recovery system for air compressors	2024/12/12	Yu Jianwen
6	Lighting Improvement	Pressure-resistant Streetlights Upgrade	77 LED lights in the injection and stamping workshops	Install 8 high-bay lights	2023/10/5	Yu Jianwen
		Solar-powered LED Road Lights	No solar lighting implementation	Install 23 solar-powered LED road lights	2024/6/7	Yu Jianwen
7	**Automation in Production**	Automation Equipment to Reduce Manual Labor	High manual labor in operations	Implement automation to reduce manual labor save time & improve efficiency	2024/12/10	Shen Hongbo

Renewable energy-Photovoltaic Power Generation

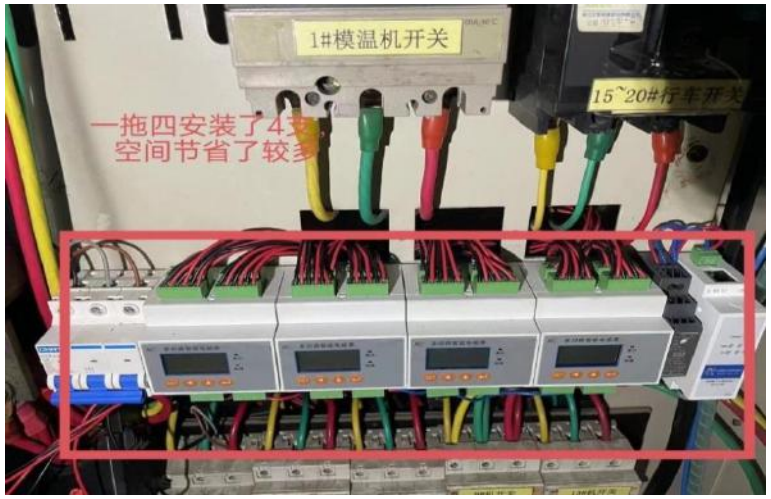
We have generated 980,000 kWh of solar power since 2022, which is equivalent to **saving 395 tons of coal** or **planting 643 trees**. In 2024, **solar power covered 16.71% of our total electricity use**, contributing to a reduction in energy consumption and CO_2 emissions.

Data Collection and Analysis

By analyzing data from 21 traditional meters, we identified **5 major electricity-consuming areas**.

The installation of **57 digital meters** allows us to collect, monitor, and manage the real-time power consumption of our equipment.

No.	Power Consumption Area	Proportion of Total Electricity Consumption
1	Injection Workshop	30.20%
2	Air Compressor	13.10%
3	Electroplating Workshop	10.90%
4	Assembly Workshop	10.20%
5	Injection Workshop Cooling System	7.50%



Energy consumption statistics

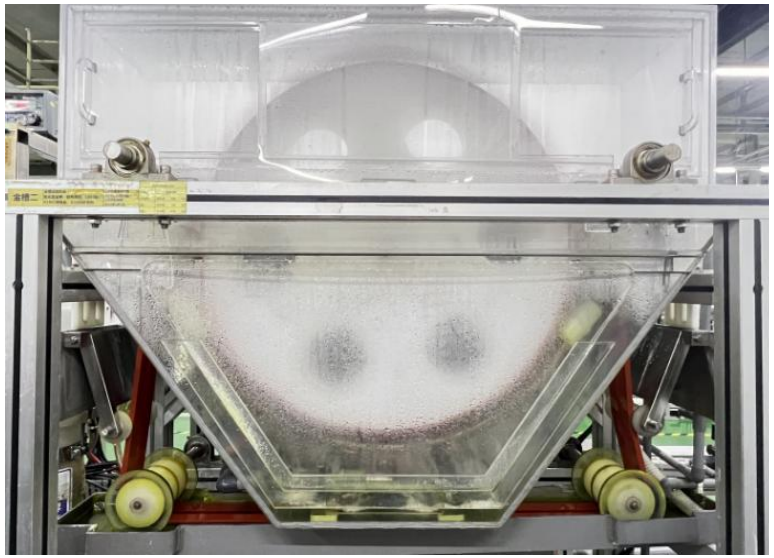
Total energy consumption KW.h	Single energy consumption KW.h	Operating energy consumption KW.h	Non-calculated shutdown energy consumption KW.h	Calculated shutdown energy consumption KW.h
42775.65	0.03	35364.28	3004.2	4407.17

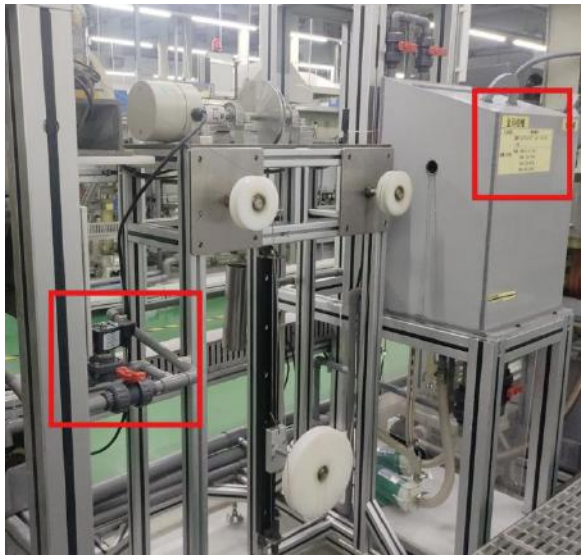
Energy Conservation and Emission Reduction Improvements-1

Electroplating Production Line Improvements

The tank was upgraded with energy-saving insulation and a float ball auto-refill system. Annual power consumption **dropped by 60.1%**.

Name	Capacity	Number of Tanks (units)	Power Consumption Before Improvement (kWh/h)	Power Consumption After Improvement (kWh/h)	Total Power Consumption Before Improvement (kWh/h)	Total Power Consumption After Improvement (kWh/h)	Power Saving (%)	Annual Power Savings (kWh/h)
Gold Tank	75L	7	4.89	1.70	34.23	11.90	65.24%	43230.9
Nickel Tank	220L	3	4.46	1.90	13.38	5.70	57.40%	14868.5
K44	70L	3	1.41	0.89	4.23	2.67	36.88%	274.6
Electrolytic Descaling	122L	2	1.73	0.70	3.46	1.40	59.54%	3988.2
Thermal Descaling	122L	2	1.46	0.56	2.92	1.12	61.64%	3484.8
Hot Water Washing	90L	1	1.90	1.20	1.90	1.20	36.84%	1355.2
Total	/	/	/	/	60.12	23.99	**60.10%**	**67,202.1**



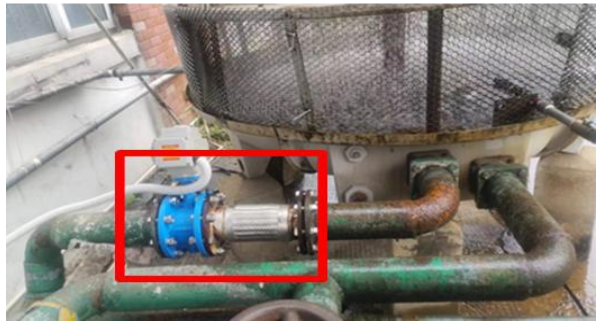


Energy Conservation and Emission Reduction Improvements-2

Cooling System Improvement

We upgraded the cooling tower with high-efficiency electric flip valves and variable frequency drives, reducing energy consumption and **saving 52.65% in electricity**.

No.	Department	Before Improvement (kWh/day)	After Improvement (kWh/day)	Power Saving (%)	Annual Power Savings (kWh))
1	Injection Workshop	150	88	41.33%	17,732
2	Assembly Workshop	190	73	61.58%	33,462
Total	**/**	**340**	**161**	**52.65%**	**51,194**



Energy Conservation and Emission Reduction Improvements-3

Dryer Improvement

We improved energy efficiency in injection molding by insulating Insulation Cover and using energy-saving servo technology, **reducing dryer power consumption by 21.74%**.

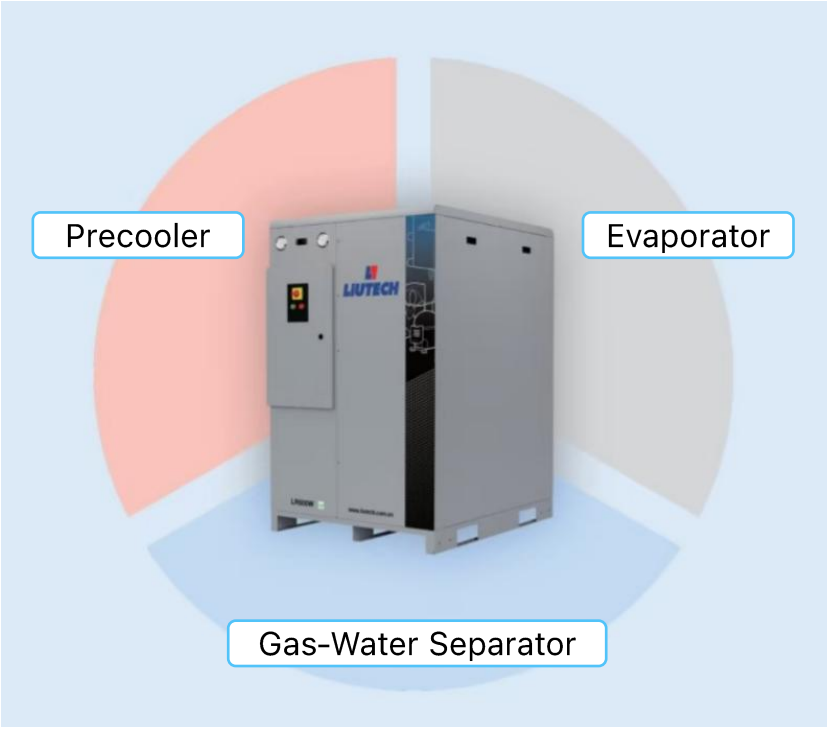
No.	Department	Power Consumption Before Improvement (kWh/day))	After Improvement		Power Saving (%)	Annual Power Savings (kWh)
			Phase 1	Phase 2		
			Installed Insulation Cover (kWh/day)	Adopted Energy-saving Servo Technology (kWh/day)		
1	Injection Workshop	230	220	180	**21.74%**	**14,300**

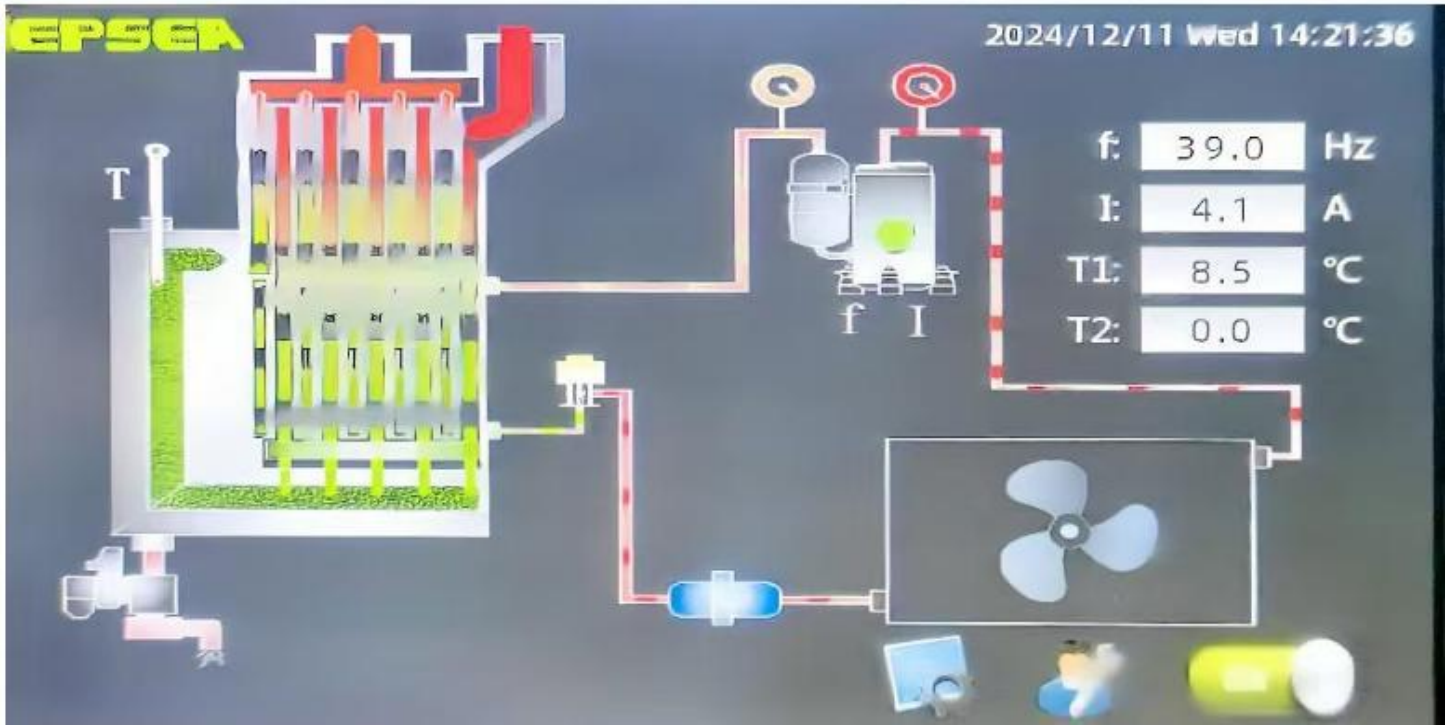
Energy Conservation and Emission Reduction Improvements-4

Refrigerated Air Dryer Energy Optimization

We replaced the old refrigerated dryer with a variable frequency model, **reducing electricity consumption by 82.86%.**

No.	Before Improvement (kWh/day)	After Improvement		Power Saving (%)	Annual Power Savings (kWh)
		Phase 1	Phase 2		
		Reduced from Two Fixed-Frequency Units to One (kWh/day)	Fixed-Frequency Replaced with Variable-Frequency (kWh/day)		
1	105	55	18	**82.86%**	**24,882**

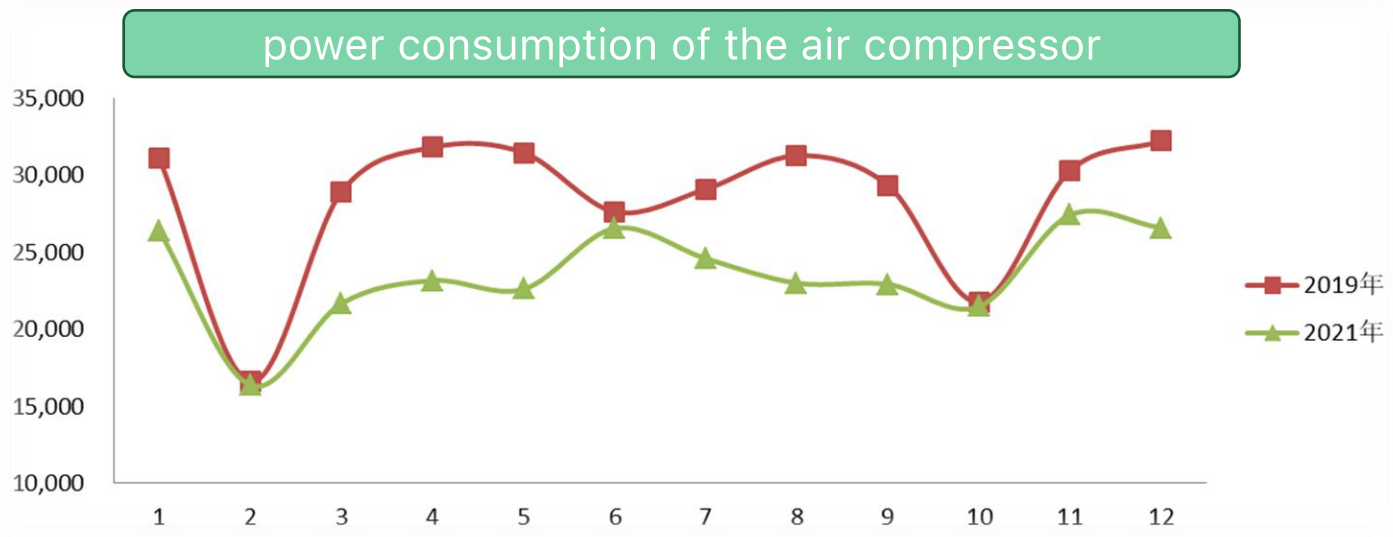




Energy Conservation and Emission Reduction Improvements-5

Air Compressor Energy Efficiency Improvement

Since June 2020, we have been using energy-efficient air compressors, **reducing electricity consumption by 17.21%** while improving energy utilization efficiency.



Energy Conservation and Emission Reduction Improvements-6

Waste Heat Recovery & Off-Peak Energy Storage

We recover waste heat from the air compressor for winter heating, resulting in a **38% electricity saving**. Additionally, we added a pressurized water tank, increasing its **capacity from 4.07T to 15.12T**, to utilize off-peak electricity storage for cost reduction.

No.	Project	Before Improvement (kWh/day)	After Improvement (kWh/day)	Power Saving (%)	Annual Power Savings (kWh)
1	Waste Heat Recovery	800	500	**38%**	**15,600**

Energy Conservation and Emission Reduction Improvements-7

Lighting Improvement- Solar Lighting

Promoted solar lighting by replacing LED lights with solar-powered lamps, reducing energy consumption and reliance on traditional power. This eco-friendly system lowers costs and supports environmental protection.

No.	Department	Solar-Powered Road Lights (units)	Removed LED Lights (units)	Power Saving(%)	Annual Power Savings (kWh)
1	Factory Public Area	23	105	100%	8,165
2	Electric Plating	2	88	100%	6,843
Total	-	**25**	**193**	100%	15,008

Energy Conservation and Emission Reduction Improvements-8

Lighting Improvement-
High bay light

Upgraded workshop lighting, cutting power use by 33.2%.

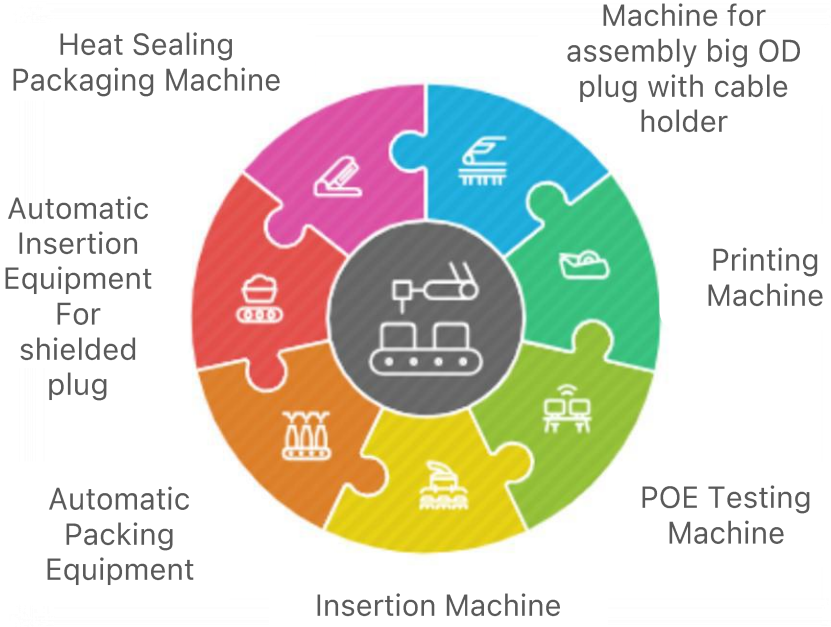
Improved illumination reduces glare, enhances efficiency, and creates a better work environment.

No.	Department	New Lights (100W) (units)	Removed LED Lights (18W) (units)	Before Improvement (kWh/day)	After Improvement (kWh/day)	Power Saving (%)	Annual Power Savings (kWh)
1	Stamping	2	16	3.17	2.46	22.40%	191.7
2	Injection	6	61	36.29	23.9	34.14%	3,418.30
Total	**-**	**8**	**77**	**39.46**	**26.36**	**33.20%**	**3,610**

Production Efficiency Improvement

Automation Implementation

In 2024, we developed **seven high-efficiency machines** tailored to production needs, significantly boosting productivity and operational efficiency.



Improvement Project	Before Improvement	After Improvement	Efficiency Improvement
Machine for Assembly Big OD Plug with cable holder	Crimping speed was 25-30 pcs/hour by assembly staff or crimping operators	Designed a special crimping machine, increasing the assembly speed to 30-35 pcs/hour,	20%
		Crimping speed can be increased by more than 3 times.	200%
Printing Machine	Using a handheld printing machine, only one end can be marked at a time, causing fatigue over long periods.	Designed an automatic printing machine that can mark both ends at once.	200%
PoE Testing Machine	No equipment, manual testing process.	Designed a PoE testing machine with automatic plug-in testing, eliminating manual operation.	100%
New Insertion Machine	Manual insert plug at 1,000 pcs/hour, without crimping.	Developed a pre-insert machine, achieving a production capacity of 3,000 pcs/hour.	200%
Automatic Packaging Equipment (2 Sets) for PC housing	Quantity was previously calculated by weighing, Packaging took about 120s	Designed a new automatic packing system, reducing cycle time from 120s to 40s.	200%
Automatic Machine for Cat.6A plug	Manual iron shell wrapping was 400 PCS/hour, requiring extensive overtime on weekends, leading to low production efficiency.	Developed a automatic iron shell wrapping machine, increasing capacity to 1,600 PCS/hour after improvements, boosting efficiency by 4 times.	300%
Heat Sealing Packaging Machine	Manual weighing and packaging in assembly was 500 pcs/hour.	Designed a heat sealing packaging machine, increasing speed from 500 pcs/hour to 4,000 pcs/hour, boosting efficiency by 7 times.	700%

Water Resources Management

We conducted water balance testing in April-May 2024, **achieving a 98.6% recycling rate for indirect cooling water.**

Water Usage Types		Water Usage Volume (m³)	Percentage of Total Usage (%)	Water Intake Volume (m³)	Percentage of Total Water Intake (%)	Recycled Water Usage Volume (m³)	Wastewater (m³)	Evaporated Water (m³)	Leaked Water (m³)
Main Production Water	Electroplating Workshop	15.5	4.50%	12	32.97%	3.5	12	12	0
Auxiliary Production Water	Indirect Recirculating Cooling Water	148.3	43.06%	1.9	5.22%	146.4	0	1.9	0
	Indirect Recirculating Cooling Water	159.9	46.43%	2.5	6.87%	157.4	0	2.2	0
Supporting Facility Water Usage	Phase II Domestic Water	20	5.81%	20	54.95%	0	17.2	3.1	0
Undefined Volume		0.7	0.20%	0.7	0.00%	0	0	0.7	0
Total Water Usage		344.4	100.00%	37.1	100.00%	307.3	29.2	7.9	0
Water Usage per 10,000 Units of Product: 0.227 m³		Direct Cooling Water Circulation Rate:/		Condensate Recovery Rate:/		Leakage Loss Rate:0%			
Total Recycling Rate:89.2%		**Indirect Cooling Water Recirculation Rate:98.6%**		Water Discharge Rate:78.7%		Wastewater Reuse Rate:0%		Non-Conventional Water Substitution Rate:0%	
Non-Production Water	Infrastructure Construction	Non							

Water Resources Management

We are committed to better conserving and utilizing water resources to ensure sustainable development. This commitment was recognized on December 26, 2024, when we received the "**Water-Saving Enterprise**" designation.

Announcement on Ningbo City's Water-Saving Enterprises (13th Batch)

关于宁波市节水型企业（第十三批）的公示

时间：2024-12-26　　发布：市经信局（市数字经济局）

根据《关于开展节水型企业建设工作的通知》（甬经信节能〔2017〕145号）文件要求，经企业申报，区（县、市）、管委会经信部门牵头组织专家评审，市经信局、市水利局复核，宁波东海集团有限公司等80家企业通过节水型企业创建验收，拟确定为宁波市节水型企业（第十三批），现予以公示。

一、公示期限：2024年12月26日-2025年1月2日；

二、如对公示内容有异议，可通过来电、来信或来访进行反映，反映问题请署实名并提供相关证明材料；

三、联系电话：89183431；联系地址：宁波市鄞州区宁穿路2001号2号楼；邮编：315066。

附件：宁波市节水型企业（第十三批）公示名单

宁波市经济和信息化局

2024年12月26日

宁波市节水型企业（第十三批）拟公示名单

序号	区域	企业名称
20	镇海区	宁波明欣化工机械有限责任公司
21	镇海区	宁波人健化学制药有限公司
22	北仑区	台晶（宁波）电子有限公司
23	北仑区	宁波卓新通讯接插件有限公司
24	北仑区	浙江腾龙不锈钢棒线有限公司

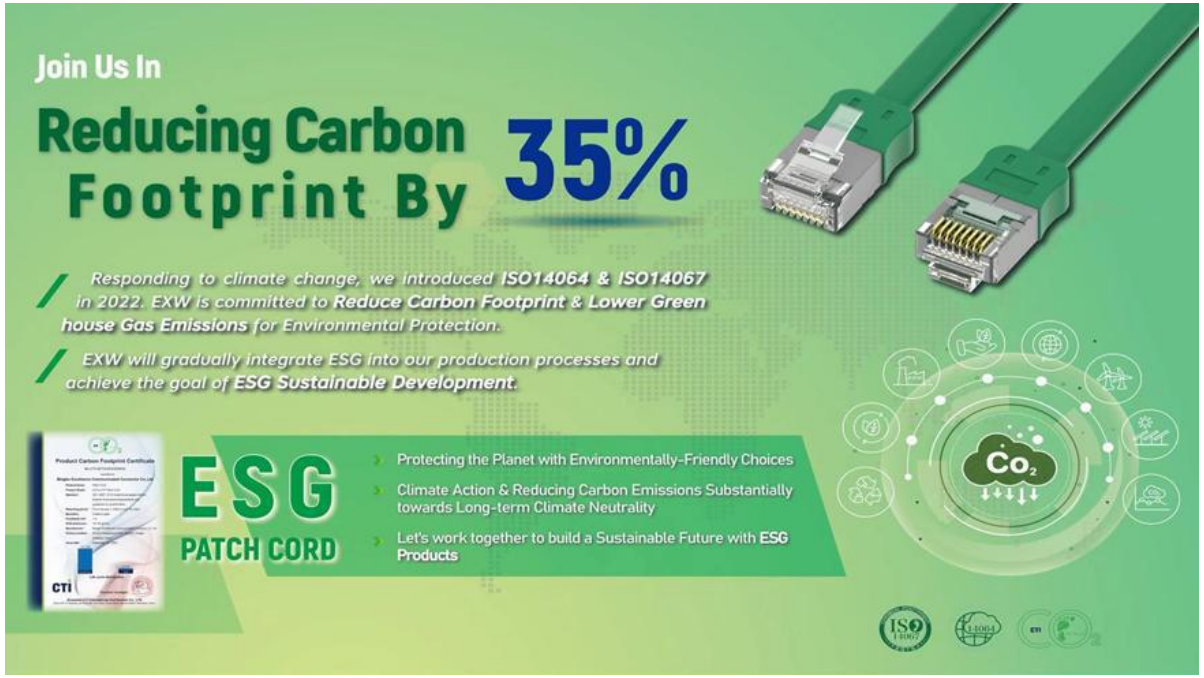
Ningbo Excellence Communicated Connector CO., LTD.

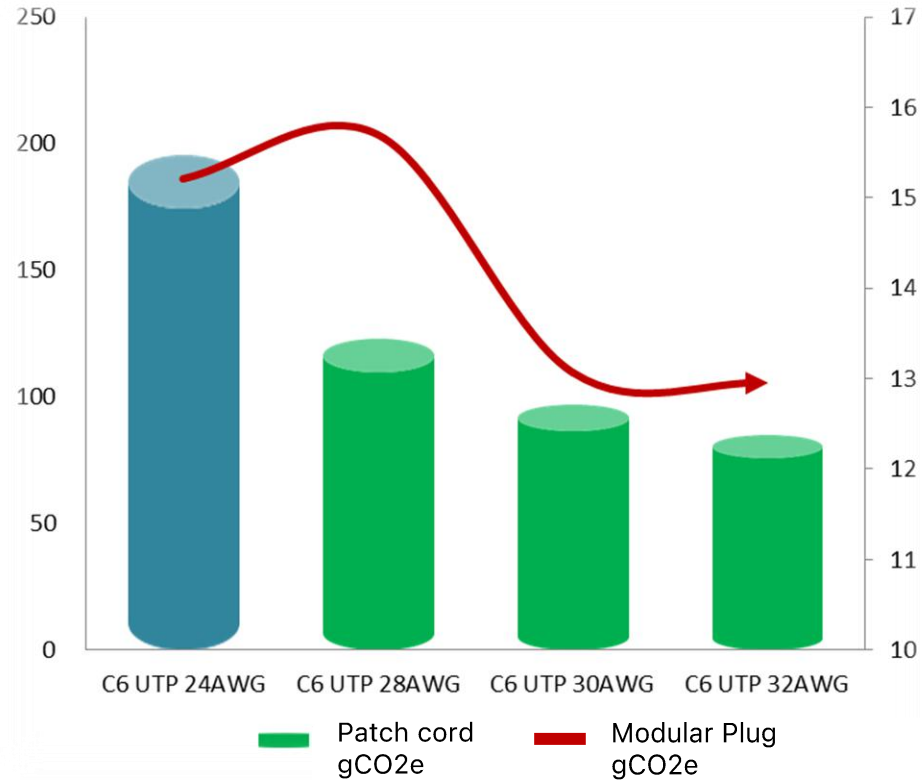
02

Energy Efficiency Improvement

Low-carbon Product Development

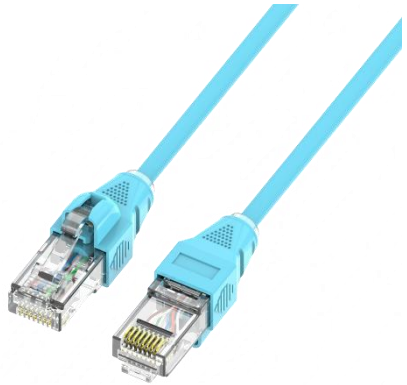
Low-carbon products enhance competitiveness and contribute to sustainability by reducing our environmental footprint. **In 2024, low-carbon products accounted for 21.8% of network patch cord sales volume.**

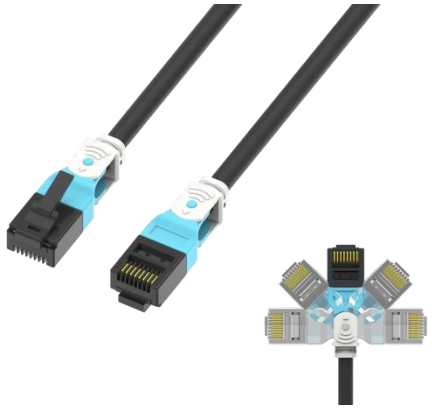




Low-carbon Product Development

By developing low-carbon products such as **EASY patch cords, flexible patch cords, rotatable patch cords, SPE connectors, and armored patch cords**, We comply with policies, boost reputation, and create growth opportunities.





Process Optimization

Optimizing the production process improves efficiency, enhances energy utilization, and reduces consumption.

By refining our patch cord production process, we merged the testing phase with post-molding procedures, resulting in a **saving of 10,856 hours, which is equivalent to 2.22% of our total production time.**

Old Process P/No.	New Process P/No.	Old Process Route	New Process Route	Confirmed Count	Executed Count	Reason for Non-Execution	Handling Method
C6-119	C6-023	119	023	268	268	/	/
C6-120	C6-024	120	024	103	103	/	/
C6-121	C6-025	121	025	111	111	/	/
C6-122	C6-026	122	026	161	161	/	/
C6-123	C6-002	123	002	246	246	/	/
C6-124	C6-003	124	003	685	685	/	/
C6-125	C6-004	125	004	178	178	/	/
C6-126	C6-005	126	005	256	256	/	/
C6-127	C6-006	210	006	278	278	/	/
C6-211	C6-390	212	390	718	718	/	/
C6-212	C6-391	213	391	270	270	/	/
C6-210	C6-389	211	389	545	544	Old Process Route was empty	New Process Route was manually modified.
C6-213	C6-392	214	392	324	323		
C6-214	C6-393	215	393	451	450		

Energy Management System

We utilize the **dEnergy management system** to monitor and manage energy consumption in real-time during production.

With the implementation of **the energy management system**, we can better track energy usage, implement targeted energy-saving measures, and improve overall energy efficiency.

03

Waste Management

Waste Management

Our path to sustainable manufacturing development involves **minimizing the environmental impact of waste while maximizing resource efficiency.**

- ✓ We strictly comply with national and local regulations on industrial waste disposal to ensure legal compliance.
- ✓ We implement detailed waste classification, **separating household waste from industrial waste**, to enhance recycling and proper disposal.
- ✓ We adopt advanced treatment technologies, such as **dewatering and drying for electroplating sludge, recycling of PC and PVC materials**, and exploring energy conversion methods for suitable waste streams.
- ✓ We enhance **employee training** to raise environmental awareness and continuously optimize our production processes to minimize waste generation.
- ✓ We collaborate with professional recycling agencies to establish stable waste recovery channels, **ensuring hazardous waste is processed twice a year and general solid waste is handled weekly.**
- ✓ Effective waste management helps us maximize resource efficiency, reduce operational costs, enhance our corporate image as an environmentally responsible company, and strengthen our market competitiveness.

Waste classification management

We implement waste classification management by **separating recyclables, hazardous waste, and other waste** to enhance resource utilization efficiency

By properly classifying and storing waste, we **collaborate with qualified third-party agencies for annual recycling and disposal,** thereby reducing waste emissions and minimizing our environmental impact.

Waste Management

Air Purification

We purify exhaust gases using techniques such as spray scrubbing to minimize their environmental impact.

Annual third-party tests confirm that our emissions remain within the stipulated regulatory limits.

Sampling Location	Test Item	Test Result	Test Result	Standard Limit
3# Electric Soldering Waste Gas Exhaust Pipe DA001 (Exhaust Pipe Height 25m)	Hydrogen Cyanide	Concentration (mg/m³)	<0.09	≤0.5
		Emission Rate (kg/h)	6.4×10^{-4}	—
	Sulfuric Acid Mist	Measured Concentration (mg/m³)	0.24	≤30
		Emission Rate (kg/h)	3.4×10^{-3}	—
	Flue Gas Flow (m³/h)		14328	—
4# Vertical Injection Molding Waste Gas Exhaust Pipe DA002 (Exhaust Pipe Height 18m)	Hydrogen Chloride	Measured Concentration (mg/m³)	<0.9	≤100
		Emission Rate (kg/h)	1.5×10^{-3}	≤0.36
	Non-methane Hydrocarbons (as C)	Measured Concentration (mg/m³)	1.43	≤120
		Emission Rate (kg/h)	4.8×10^{-3}	≤14
	Flue Gas Flow (m³/h)		3380	—
5# Horizontal Injection Molding Waste Gas Exhaust Pipe DA003 (Exhaust Pipe Height 15m)	Non-methane Hydrocarbons (as C)	Measured Concentration (mg/m³)	9.17	≤60
		Emission Rate (kg/h)	0.051	—
	Flue Gas Flow (m³/h)		5575	—

Waste Treatment and Management

Wastewater Treatment

We manage wastewater using advanced treatment technology and **real-time online monitoring** to minimize its environmental impact. This ensures a reduction in water pollution, thereby safeguarding water resources for sustainable use.

No.	Sampling Location	Sampling Time	Sample Condition	Test Item	Test Result	Standard Limit
★1#	Total Discharge Outlet of Production Wastewater DW002	12:44	Colorless, Clear Liquid	pH Value	7.4	6~9
				Suspended Solids (mg/L)	<4	≤400
				Chemical Oxygen Demand (mg/L)	32	≤500
				Ammonia Nitrogen (as N) (mg/L)	1.16	≤35
				Total Phosphorus (mg/L)	0.26	≤8
				Total Nitrogen (mg/L)	6.75	—
				Petroleum Compounds (mg/L)	0.41	≤20
				Total Chlorinated Compounds (mg/L)	<0.004	≤0.5
				Total Copper (mg/L)	<0.04	≤1.5
				Total Iron (mg/L)	0.032	≤0.3
★2#	Production Wastewater Outlet DW001	12:48	Colorless, Slightly Turbid Liquid	Total Zinc (mg/L)	0.034	≤0.3

Waste Treatment and Management

Solid Waste Disposal

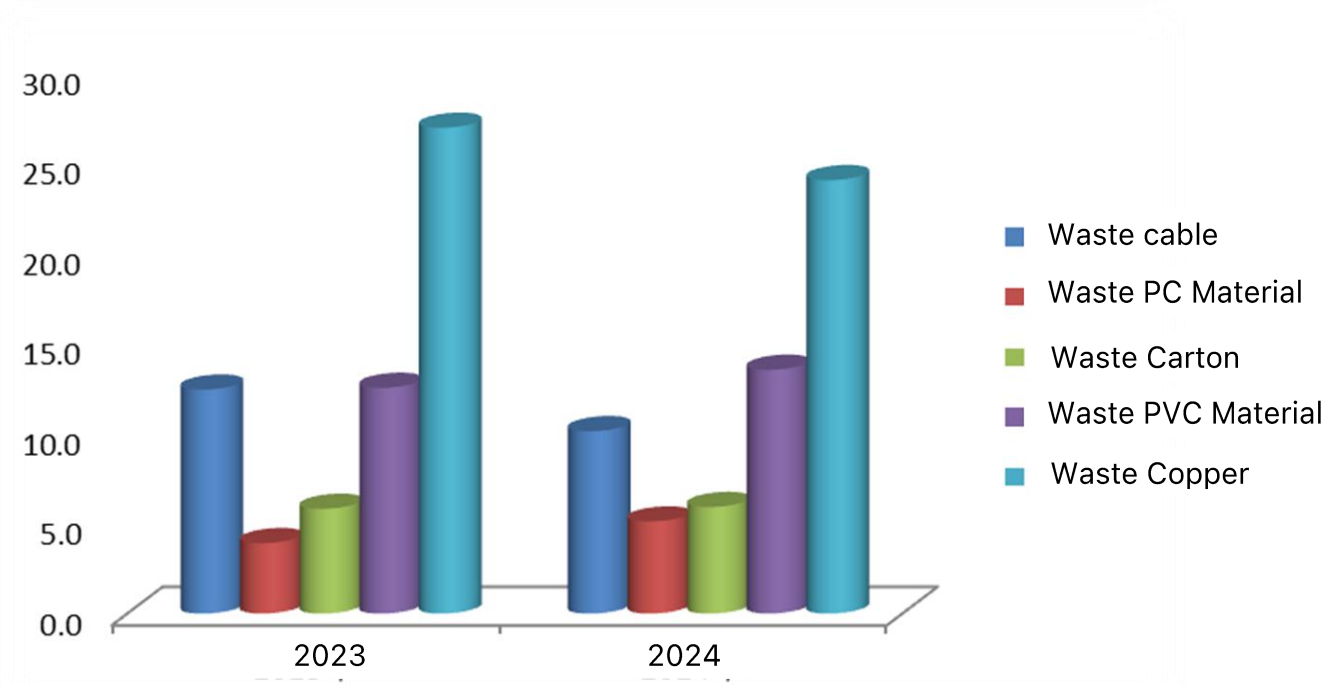
EXW processes electroplating sludge through **dewatering and air drying**, which reduces waste volume and environmental impact while ensuring safe handling and preparing it for further treatment. Certified **third-party agencies conduct annual recycling of the treated sludge**, helping to conserve land resources and protect soil quality.

Sludge Drying Area

Circular Economy

Recycling industrial solid waste benefits both the environment and the economy. Over the past two years, EXW **has processed 121 tons of waste.**

EXW promotes a circular economy by **recycling injection molding scrap materials**, thereby conserving valuable resources and reducing our environmental impact.



Compliance Management

01 **EXW follows ISO standards** with annual internal (April) and external (June) audits to ensure environmental responsibility.

02 We were **certified as a Green Factory** in Ningbo in 2023.

03 Compliance control enhances environmental oversight, reduces risks, and **protects employee health and safety.**

04

Green Supply Chain

FSC-certified Suppliers

EXW actively promotes a green supply chain by prioritizing collaboration with **FSC-certified suppliers** and sourcing eco-friendly materials, thereby reducing the environmental impact associated with our procurement processes.

Bureau Veritas Certification

NINGBO FENGHUA DISTRICT DONGSHENG PACKAGING PRINTING CO., LTD.

No.550 Nanda Road, Jinping Street, Fenghua District, 315500, Ningbo City, China

Operation address: No.199 Songlin West Road, Shangqiao Industrial Park, Fenghua District, Ningbo City, China

Bureau Veritas Certification Holding (BVCH) certifies that the company has implemented a FSCTM product groups control system according to the Forest Stewardship CouncilTM certification system, in the above location and complies with the requirements of Standard:

FSC Chain of Custody Certification standard, Ref.: FSC-STD-40-004 V3-1

For its activities concerning:

Printing and sales of paper products certified FSC Mix and FSC Recycled.*

*Updated list of products & species on the FSC database (info.fsc.org)

Type of certification: Single

Original certification date:	12-10-2023
Certification start date:	12-10-2023
Expiration date:	11-10-2028
FSC Certificate code:	BV-COC-194563
Certificate No. / Version:	CN046206/1
Contract No:	19940926
Issue date:	16-10-2023

Nicolas MEY
Signed on behalf of BVCH

The validity of this certification shall be verified on: info.fsc.org
This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC certified or FSC Controlled Wood. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on sales and delivery documents.

Bureau Veritas Certification Holding · Tour ALTO, 4 place des saisons, 92400 COURBEVOIE · France: www.bureauveritas.com

Certification decision office:Bureau Veritas Certification China, Room 02, 9 / F, West Office Building 1, Oriental Economic and Trade City, Oriental Plaza, No.1 East Chang'an Street, Dongcheng District, Beijing, P.R.C. 100738

Contracting office: Bureau Veritas Certification China
A list of the products or services that are included in the scope of the certificate may be obtained on request to Bureau Veritas Certification. This certificate remains the property of Bureau Veritas Certification, all copies or reproductions and the certificate itself shall be returned or destroyed on Bureau Veritas certification request. All certificates not in English are for reference only

FSC CoC Certificate rev 8.2

1/1

August 17, 2023

FSC认证供应商

录入供应商信息[宁波卓新]

资料(D) 功能(F) 汇出(E) 整批处理(P) 工具(T) 退出(X)

供应商编号 C020264 快捷码 凭证

简称 东升包装 税号

公司全称 宁波奉化东升包装印务有限公司

基本信息 交易信息 地址信息 证照信息 信息浏览

供应商编号	简称	公司全称	核准状况
C020264	东升包装	宁波奉化东升包装印务有限公司	1:已核准

录入供应商信息[宁波卓新]

资料(D) 功能(F) 汇出(E) 整批处理(P) 工具(T) 退出(X)

供应商编号 C030322 快捷码 凭证

简称 泰诺嘉包装 税号

公司全称 宁波泰诺嘉包装制品有限公司

基本信息 交易信息 地址信息 证照信息 信息浏览

供应商编号	简称	公司全称	核准状况
C030322	泰诺嘉包装	宁波泰诺嘉包装制品有限公司	1:已核准

ESTS

Extensive Standard Technical Services Co., Ltd.

FSC CHAIN OF CUSTODY SINGLE

CERTIFICATE

Certificate Code: ESTS-COC-230703

This is to certify that:

Ningbo Tainuojia Packaging Products Co., Ltd.

No. 32-9, Fujia, Building 28, Xuhu Village, Xinqi Street, Beilun District, Ningbo City, Zhejiang Province, China

Has been assessed and found to meet the requirements of :

Chain of Custody Certification Standard (FSC-STD-40-004 V3-1)

Requirements for Use of the FSC Trademarks by Certificate Holders (FSC-STD-50-001 V2-1)

Scope of Certification

Manufacturing and sales of corrugated fibreboard certified FSC Mix or FSC Recycled

FSC www.fsc.org FSC® A000543 The mark of responsible forestry

Date Of Initial Certification: December 7, 2023
Date Of Last Issue: December 7, 2023

This Certificate Is Valid Until: December 6, 2028

Issue Number: T0856-V1

Authorized by:

Rainfall Wu
Managing Director of ESTS

Full list of product groups covered by this certificate and the validity of this certificate shall be verified on (info.fsc.org). The certificate shall remain the property of ESTS. The certificate and all copies or reproductions of the certificate shall be returned or destroyed if requested by ESTS. This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC certified. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on sales and delivery documents.

This Certificate Is Issued By

EXTENSIVE STANDARD TECHNICAL SERVICES CO., LTD.
Room 1201, 12/F, Tai Sang Bank Building, 130-132 Des Voeux Road, Central, HongKong
www.estsglobal.com

Scan this code to verify certificate authenticity

Conclusion

Over the past two years, we have actively pursued green development, achieving significant progress in energy conservation and low-carbon initiatives.

- ✓ **Implemented energy-saving, reducing annual electricity use by 10.51% and carbon emissions per 10K RMB by 14%.**
- ✓ **Launched low-carbon products, cutting carbon footprints by 35%. In 2024, these products account for 21.8% of total sales volume.**
- ✓ **Adopted renewable energy, with solar power covering 16.71% of total electricity consumption.**
- ✓ **Achieved a 98.6% water recycling rate and processed 121 tons of waste.**
- ✓ **Utilized air compressor waste heat and off-peak energy storage for stable power supply.**

We remain committed to sustainable growth, enhancing energy efficiency, and driving high-quality development.