

Sustainability Initiatives

March 2024

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Environmental Management System

ISO 14001 Compliant

In order to manage our environmental responsibilities in a systematic manner, BIXOLON has acquired **ISO 14001 certification** and maintained its management system to be consistent with this standard.



BIXOLON's Environmental Management Workflow

Plan

- Identify legal and other requirements
- Establish objectives, goals, and implementation plan
- Secure resources and assistance

Do

- Identify significant environmental aspect
- Define job-specific roles, responsibilities and authority
- Communicate competence, training and awareness
- Monitor progress

Check

- Perform internal EMS audits
- Conduct compliance assessment
- Identify violation case, nonconformities

Act

- Conduct corrective actions
- Record keeping
- Review environmental management system using the results of internal audits

Eco-Design

Directive 2009/125/EC Compliant

To be part of a sustainable society, BIXOLON is committed to providing environmentally conscious products by complying with Eco-design Directive (European Union) for **Energy Related Product(ErP) 2009/125/EC** throughout its product development process from conception to completion.

The efforts mainly focuses on:

- Efficient use of resources
- Reduced or eliminated use of hazardous substances
- Low energy consumption



Eco-Design

Efficient use of resources

Use of Recycled Materials **for Products:**

- Reduce size and weight of printers
- Use standard parts
- Minimize quantity of parts, tools and types of plastic
- Use approx. 87% of recycled ABS in 2 POS printers and 23% in 4 Label printers below



Use of Recycled Materials **for Packaging:**

- Reduce weight of packaging materials and synthetic resin
- Use recycled materials in Plastic Tray(100%) and PE-BAG(20%) (Target Schedule: Q2 2024)

Eco-Design

Hazardous Substances

- **Compliant with RoHS directive**
 - Non-use of Class I hazardous substances including lead, mercury, cadmium, hexavalent chrome, etc.
- **Satisfies REACH regulation**
 - Non-use of Class II hazardous substances
 - Managing certification documents such as **MSDS, Mil-Sheet**
- Complies with **Battery Directive** (problematic heavy metals) and regulations on hazardous substances in packaging materials



Eco-Design

Energy Consumption

- All BIXOLON products are **Energy Star** rated on the following conditions:
Ready / Sleep / Standby / Off / SMPS no-load Mode
**Except for the XT5-40 Series*
- Efficient SMPS energy consumption
- Efficient Battery charging system applied



BIXOLON®

BIXOLON's Sustainable Solutions

B-lineress™



- Cutting the use of wood pulp, **B-linerless™** media reduces the landfill waste and decreases carbon emissions by eliminating liner incineration.
 - Up to 40% more label length available on a linerless media per roll compared to traditional liner-backed media.



Reduce CO₂
Lessen Landfill Waste
Earn Revenue

BIXOLON's Sustainable Solutions

Eco-friendly Receipting

- BIXOLON's premium, ultra-reliable 3-inch (80 mm) POS Printers SRP-380, SRP-350plusV, and SRP-350plusIII are compatible with Koehler's eco-friendly **Blue4est®** paper, which enables sustainable receipting.
- The printers automatically detect the paper type and optimises the print quality with **Visibility Intelligence™**



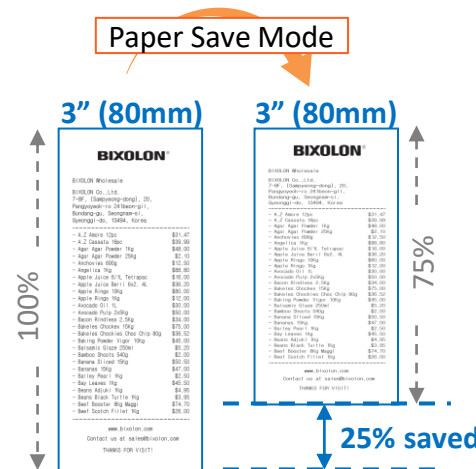
** Blue4est® paper can be easily recycled and has no chemical color developers*



BIXOLON's Sustainable Solutions

Paper Saving

- BIXOLON's Paper Save Mode reduces the length of the receipt paper without changing the customer's original software.
- Selectable for level 1, 2 and 3, the Paper Save Mode helps users save the paper roll by up to 25%, which reduces waste and CO2 emissions.



BIXOLON

Thank you