

## Environmental Activities

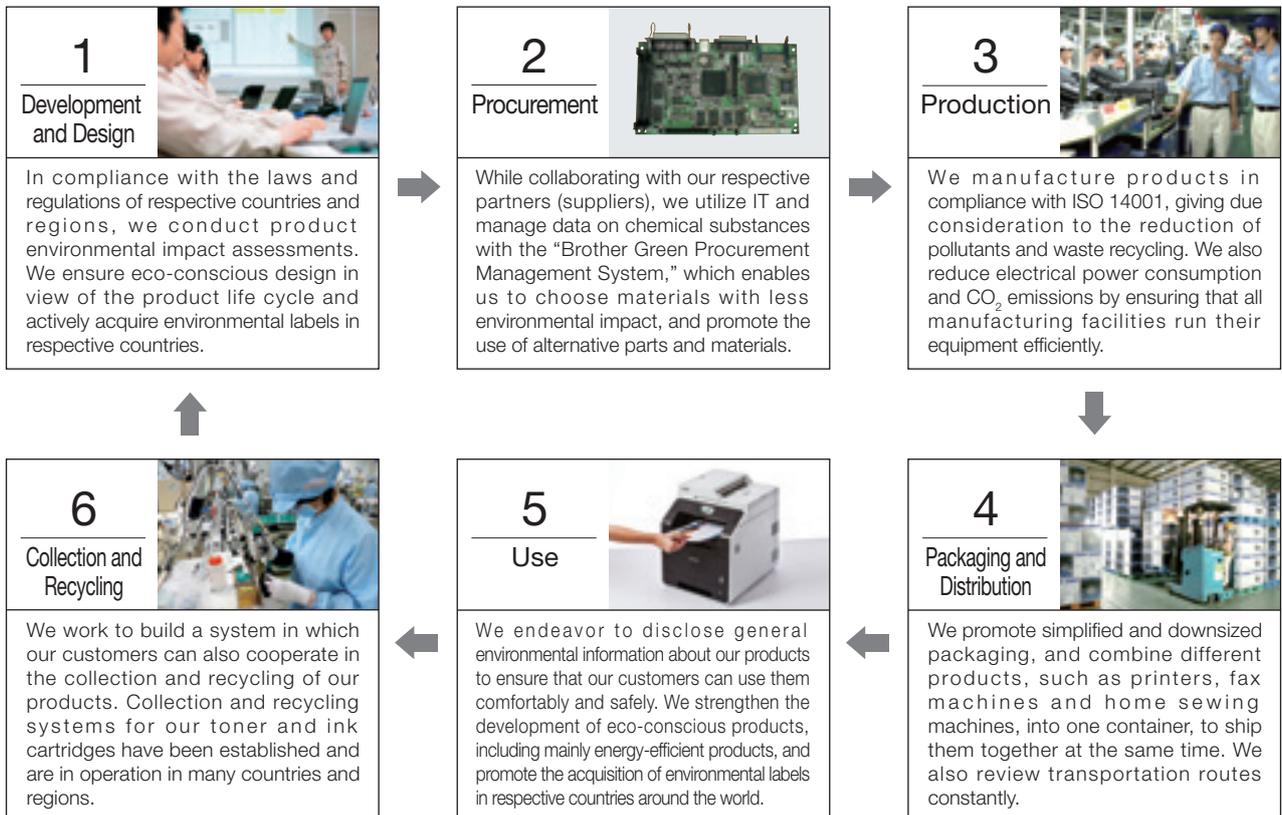
### Positively and Continuously Considering Global Environmental Impact

As the basic philosophy for its environmental actions, the Brother Group stipulates that it shall positively and continuously act to decrease the environmental impact of all aspects of its business operations so that society can achieve sustainable development. Based on this philosophy, the group sets its basic environmental policy: concern for the environment shall be the cornerstone of all operations; and safety and environmental impact shall be prime considerations at every stage of a product's lifecycle, from design, development, manufacturing, customer usage, and disposal, to reuse and recycling.



### Environmental Considerations throughout the Product Life Cycle

The Brother Group gives environmental consideration and conducts various environmental activities at every stage of its business operations, from product development and design to product collection and recycling.



## Brother Group Environmental Action Plan 2018

The Brother Group shall:

- Create eco-conscious products
- Reduce group CO<sub>2</sub> emissions  
(The target is set based on our Medium-term plan FY2020 (ending 03/2021)<sup>\*1</sup>)
- Maintain regulatory compliance for all product categories
- Support activities for continuous improvement under our philosophy of “Brother Earth”
- Support biodiversity conservation in the Brother Group under the COP10 Aichi Biodiversity Targets

<sup>\*1</sup> CO<sub>2</sub> emissions reduction target in Medium-term plan FY2020 (ending 03/2021) BIL: 30% reduction compared to FY1990 (ending 03/1991) (Absolute amount)  
Factories outside of Japan (except the U.S.): 20% reduction compared to FY2006 (ending 03/2007) (Basic unit: factories' consolidated sales amount)

## Continuous Efforts to Reduce Environmental Impact Based on the Brother Group Environmental Action Plan 2018

### < Developing Eco-Conscious Products >

In order to put greater effort into the development of eco-conscious products, the Brother Group has been promoting top-class eco-conscious design in respective product categories by actively acquiring environmental labels in respective countries and meeting new standards. Based on such eco-conscious design, the group works on the reduction of products' environmental impact throughout their life cycles and pursues cutting down their carbon footprint.

### < Reducing CO<sub>2</sub> Emissions in the Entire Group >

In FY2013, the scope of activities to cut CO<sub>2</sub> emissions was expanded to include the whole Brother Group. Furthermore, we calculate and reduce CO<sub>2</sub> emissions not only in our business operations, but also in the entire supply chain of our products. To verify the reliability of the calculated results, the Brother Group is subject to verification of compliance with international standards (ISO 14064-1 requirements) by a third-party organization, and also makes efforts to acquire certification for the data.

### < Complying with Environmental Laws, Regulations and Social Trends around the World >

In addition to complying with laws and regulations in respective countries and regions, such as the “REACH Regulation<sup>\*2</sup>” and the “RoHS Directive<sup>\*3</sup>,” we institute a chemical substance assurance system within the entire group by operating an environmental information system, which is used to investigate and manage certain chemical substances contained in parts we procure, and auditing our respective partners from which we procure parts and materials.

<sup>\*2</sup> The EU regulation on registration, evaluation, authorization and restriction of all chemical substances contained in manufactured or imported items.

<sup>\*3</sup> An EU directive that bans the use of hazardous substances in electrical and electronic equipment.

### < Environmental Communication >

Under the environmental slogan of “Brother Earth,” we collaborate and work with many stakeholders and actively conduct activities to protect the environment and contribute to local communities. Our special environmental website “brotherearth.com” introduces the Brother Group's activities to many people through its content, such as “Environmental activities,” which are conducted by respective group companies, “Eco technology,” and the user participatory donation activity “Click for the Earth.” It also provides content that addresses the theme of animals designated as endangered species to convey the importance of environmental protection.

### < Biodiversity >

As a global company based in Nagoya, the hosting city of COP10<sup>\*4</sup>, we set the “Aichi Biodiversity Targets” as our priority targets. In line with this, our respective group companies continuously conduct biodiversity conservation activities tailored to their regional characteristics, such as an anti-desertification project in Inner Mongolia and a mangrove reforestation project in Thailand. Through these activities, we addressed some of the twenty items of the Aichi Biodiversity Targets, such as “Awareness increased,” “Habitat loss halved or reduced,” “Protected areas increased and improved,” and “Knowledge improved, shared and applied.”

<sup>\*4</sup> The 10th Conference of the Parties to the Convention on Biological Diversity, which was held in Nagoya City, Aichi. The Aichi Biodiversity Targets were agreed upon at COP10 as effective and urgent targets to be achieved by 2020 to prevent the loss of biodiversity.

### 5R Concept—the Key to Reducing Environmental Impact

The Brother Group undertakes environmental protection activities under the 5R concept.

- |                   |   |
|-------------------|---|
| <b>5R Concept</b> | <b>Refuse:</b> Avoid purchase of environmentally burdensome materials whenever possible |
|                   | <b>Reduce:</b> Reduce waste material  |
|                   | <b>Reuse:</b> Reuse waste material without processing                                   |
|                   | <b>Reform:</b> Reuse materials in a different form                                      |
|                   | <b>Recycle:</b> Reuse materials as resources  |

