\boxtimes

Environmentally Friendly and Contributing Products

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2022 2021 2020 2019 2018

Case Studies ↓

promoted development of new technologies and sales of products to reduce such impact from the products themselves based on our guidelines for "Environmentally Friendly and Contributing Products" as follows.

While contributing to global environmental conservation and reduction of environmental impact through our products and its applications, we have

Products that are designed to have less impact on the environment, such as by reducing the amount of waste or designing products that are easy to

Environmentally Friendly Products

recycle, and that have improved one or more of the following compared to conventional products. Smaller, thinner and lighter

- Power saving
- Longer service life
- Reusability (reuse)
- Recyclability (recycling) Ease of disposal (ease of disassembly in case of equipment)
- **Environmentally Contributing Products**

The products themselves or the final products using them that contributes to and are used for applications such as the conservation of the global environment.

Prevention of global warming, diffusion of new and renewable energy sources

- Analysis of chemical substances contained in products, evaluation of toxicity of chemical substances
- Reduction, separation and disposal of waste

Prevention of ozone depletion, air pollution, water pollution, and soil contamination; analysis of pollutants

Every year, we develop new environmentally friendly and contributing products. Here are some typical examples from the current fiscal year.

Case Studies

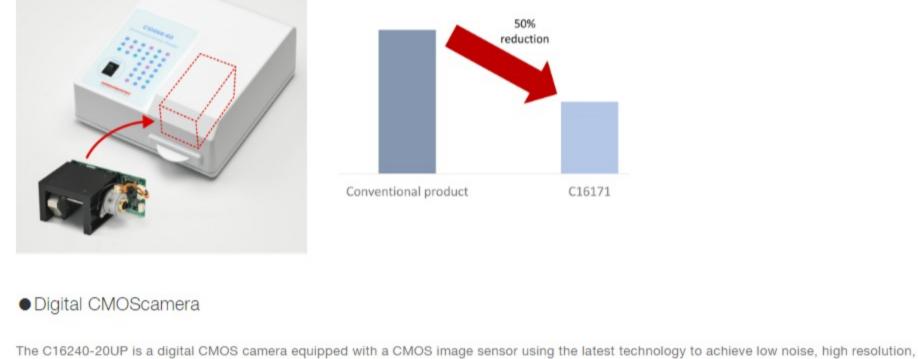
immunochromato reader engine

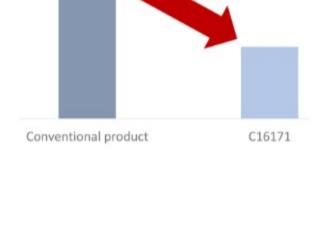
coloring reagents such as gold colloid and blue latex, and for fluorescent reagents such as Eu and FITC. Compact size has made it possible to reduce

the size of the device when embedded by approximately half compared to conventional systems.

50% reduction

The C16171 series is an embedded immunochromatography reader engine for installation in medical equipment. The line-up includes products for

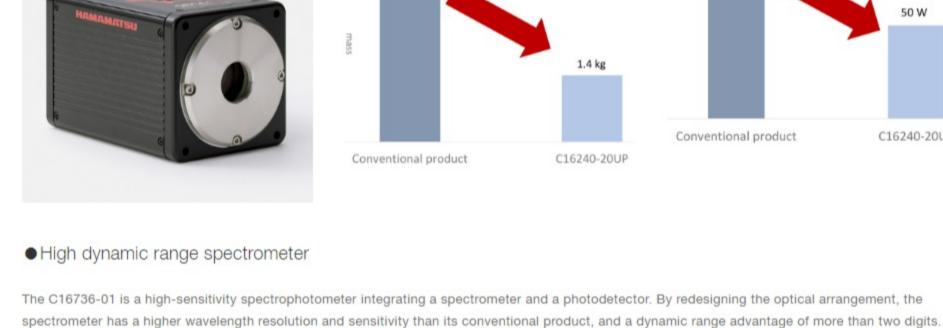


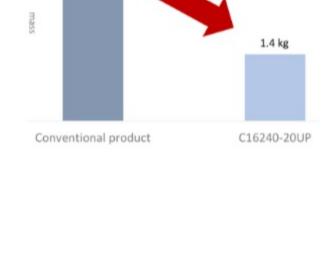


improved sensitivity in the near-infrared region and high-speed readout.

It has improved performance and added functions compared to the similar conventional product C14120-20P. The weight can be reduced from approximately 3.6 kg to 1.4 kg and the power consumption has been reduced from 80 W to 50 W.

3.6 kg 80 W

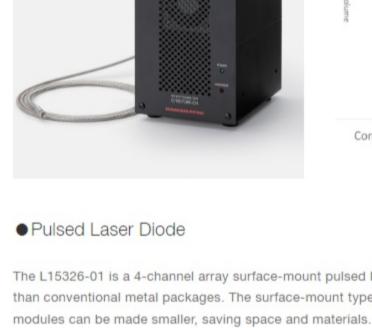






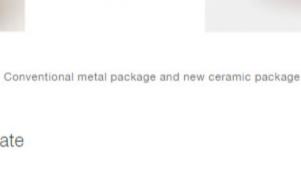
The volume of the enclosure has been reduced by more than 50%.

55% reduction

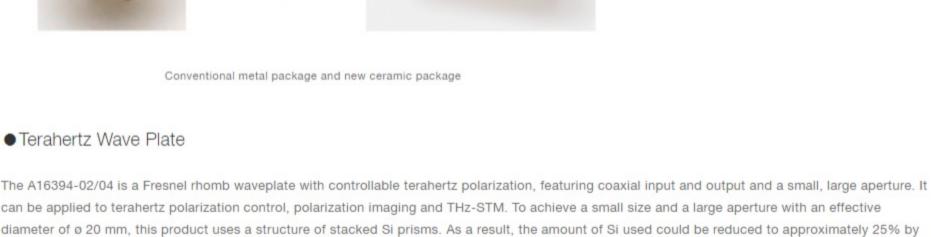


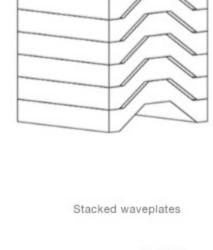






volume, compared to the design of a single Si prism with a larger aperture.





Terahertz Wave Plate

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