5. Retail and Documentation Solutions

5.1 e-STUDIO330AC/400AC Series Full-Color A4 Multifunctional Peripherals Incorporating Design Concepts for High-Performance A3 Models

e-STUDIO330AC/400AC series full-color A4 MFPs featuring high performance and user-friendly functions

Toshiba Tec Corporation previously relied on original equipment manufacturers (OEMs) for A4 multifunctional peripherals (MFPs). However, in order to improve the profitability of the A4 MFP business, we have now manufactured and commercialized the e-STUDIO330AC/400AC series of high-performance full-color A4 MFPs and their optional units.

To enhance the performance and quality of A4 models and improve the overall efficiency of development of both A4 and A3 models, we have not only leveraged the hardware and software platform technologies cultivated through the development of A3 models but also developed fundamental technologies that will also be applicable to the next-generation A3 models.

Our overseas engineers participated in software development at an early stage, from the conceptual design phase, so that they would fully understand the software functions in order to reduce development iterations and thereby improve both software quality and development productivity. We also collaborated with overseas engineers on the development of hardware technology to improve the paper-feeding performance.

From the functional viewpoint, the e-STUDIO330AC/400AC series supports a wide range of paper types weighing from 52 to 256 g/m^2 as well as high-speed duplex scanning of up to 120 pages per minute in order to meet diverse customer requirements. Furthermore, a 10.1-inch liquid crystal display (LCD) panel and expandable application software contribute to operability and work efficiency equivalent to those achievable with A3 models.

5. Retail and Documentation Solutions

2

The e-STUDIO330AC/400AC series is designed to reduce the standby power consumption of the power supply unit and the control circuit board as well as the active power consumption of the fuser and driving units in printing mode. Compliant with ENERGY STAR® V3.0$^{(*)}$, the e-STUDIO330AC/400AC series achieves top-class energy-saving performance among models in this product range.

(∗) An international program that promotes the energy efficiency of office equipment

5. Retail and Documentation Solutions

5.2 e-BRIDGE Plus for ID Card Developed as Embedded Application for Multifunctional Peripherals to Facilitate Copying and File Conversion of ID Cards
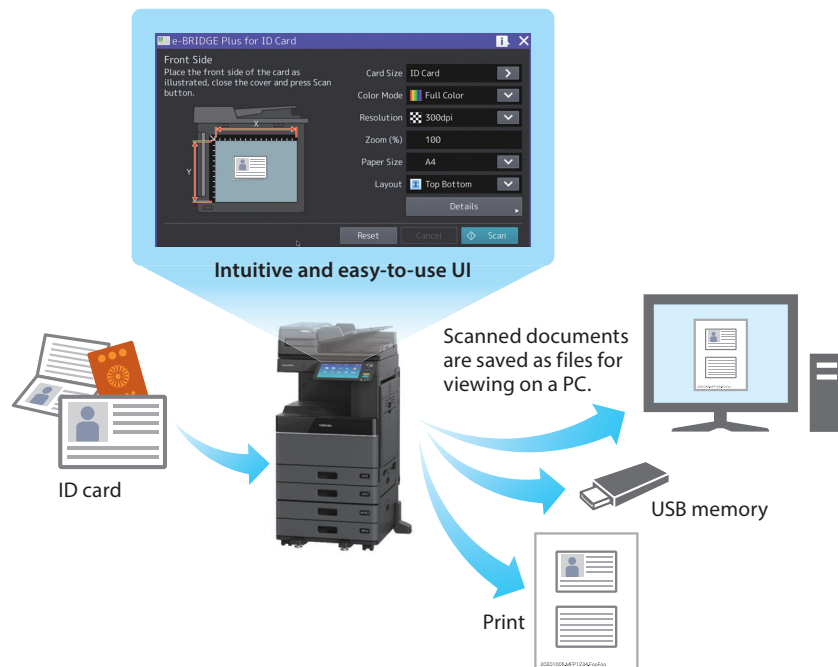
Overview of e-BRIDGE Plus for ID Card enabling easy scanning of identification documents

Multifunctional peripherals (MFPs) are sometimes used to copy driver's license or other ID cards when some form of identification is needed. It is desirable to print both sides of the ID card on one page, but up to now it has been difficult to understand how to accomplish this with a conventional MFP.

To resolve this issue, Toshiba Tec Corporation has developed an intuitive and easy-to-operate user interface (UI) that displays an animation on the operation panel, as well as e-BRIDGE Plus for ID Card, an embedded application for MFPs that can not only print ID cards on paper but also save them as electronic files in remote shared folders and Universal Serial Bus (USB) memory.

Once the administrator registers the types (i.e., sizes) of the ID cards supported, the user only has to select the appropriate type when scanning them. In the output image, the front and back sides of the card are arranged side by side at the center of the paper for easy viewing. The user can also zoom the scanned image up to 200%. Furthermore, it is possible to print the user name, date, and serial number of the MFP at the bottom corner of the paper.

5.3 New B-FP2D Series Mobile Printers Featuring Robustness and Long Battery Life

B-FP2D series mobile printer

Toshiba Tec Corporation has developed the B-FP2D series of mobile printers offering high versatility, long battery life, user-friendliness, power-saving performance, easy portability, superior robustness, and a color LCD to meet diverse customer requirements.

Compared with the existing model, the B-FP2D series provides the following features:

(1) Approximately 1.5 times the maximum print speed, increasing users' work efficiency

(2) Approximately 50% longer battery life because of its energy-saving design and the use of a high-rate rechargeable lithium-ion battery

(3) Ease of gripping and improved drop resistance due to the rubber-covered enclosure (2 m drop protection without any casing and 2.5 m drop protection in a dedicated casing)

(4) International Electrotechnical Commission (IEC) IP54-compliant dust and water resistance

(5) Charging possible from a cradle charger, a USB port, an AC adapter, or a battery charger

(6) Backward compatibility for ease of upgrading from our existing model and emulation mode to simplify the replacement of a competitor's model.