



Green Office

- ✔ The world's first multifunctional device which uses erasable toner
- ✔ Reuse your paper and save up 80% of valuable resources
- ✔ State-of-the-art Toshiba technology combined with unique functionality
- ✔ Extremely environment-friendly as it helps to reduce the carbon emission

e-STUDIO306LP
e-STUDIO RD30



SAP® Printer Vendor Solution



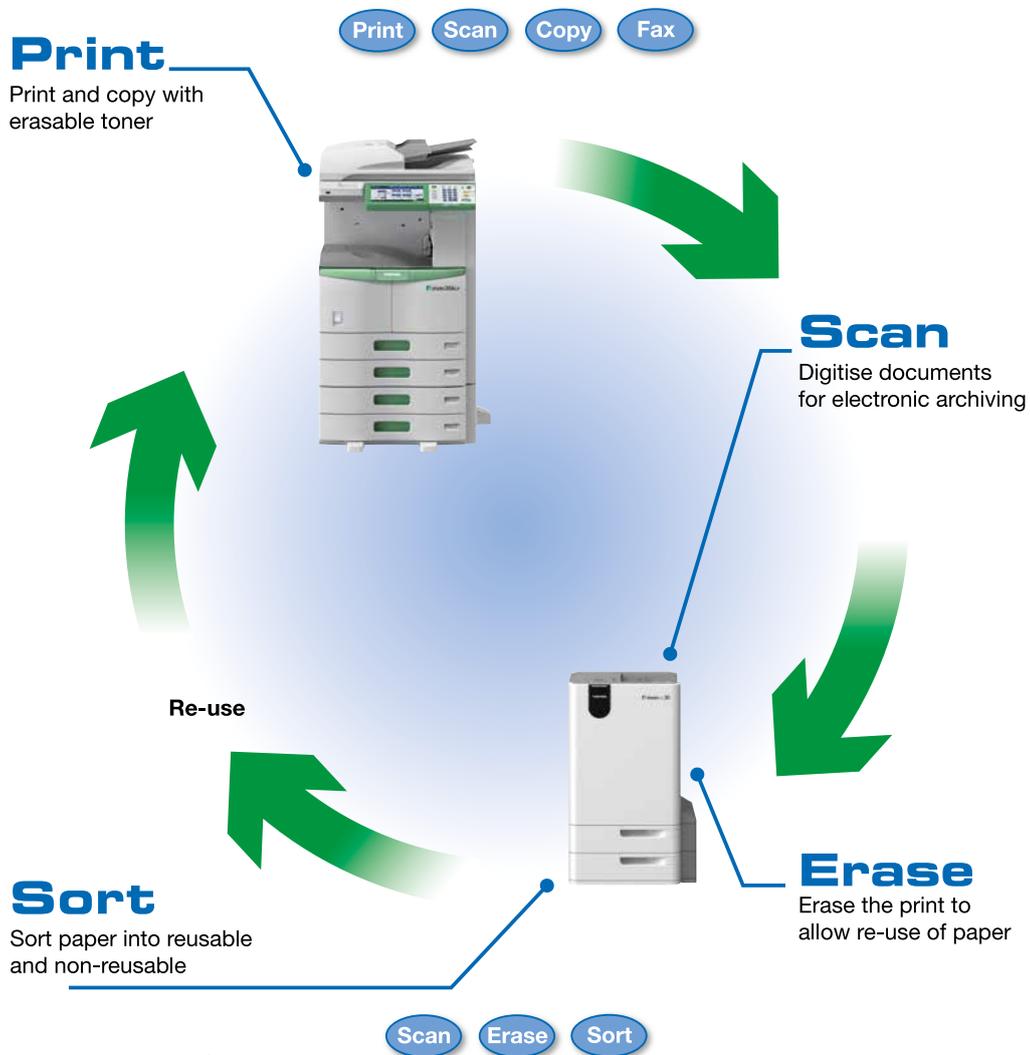
Changing the way you print

Toshiba has developed a new system which will change the way you print. Instead of throwing away prints which are not needed anymore, you can now erase and reuse the paper.

The Toshiba Paper Reusing Device e-STUDIO RD30 is capable of de-colourising the text and images on documents

printed on the e-STUDIO306LP allowing you to reuse the paper.¹⁾ This significantly reduces the paper consumption. As a result,

you save valuable resources and contribute to a greener tomorrow.



¹⁾ As latent toner remains on the paper after erasing, it is not recommended to print confidential documents on this system.





The office revolution: 5 x 1 = 1

Toshiba now allows you to reuse your paper, which leads to a better value-for-money ratio.

To optimise the use of resources is an effective way to increase profitability. By using one sheet of paper five times with the e-STUDIO306LP/RD30, i.e. re-using it four times, you reduce your paper consumption by 80% without needing to print less.

Assuming that you print 4,000 pages per month this means that after five years you will have saved 192,000 sheets of paper. In other words: The same amount of paper which you would usually use in one year, will now last five years!

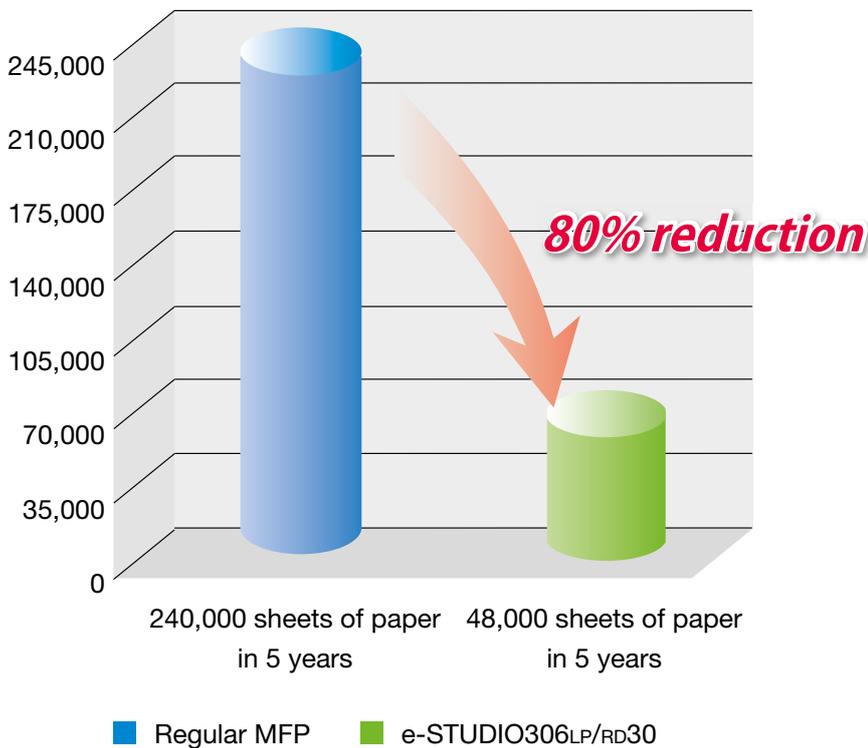
Paperless vs. less paper

The arrival of paperless offices is being predicted for over 30 years, yet still we print billions of pages each year. According to an IDC study¹⁾ two million A4 pages are printed every minute in the EMEA region (Europe, Middle East and Africa) alone. That amounts to almost three billion pages per day!

Many of these prints do not need to be filed and are simply thrown away. With the e-STUDIO306LP/RD30 Toshiba now allows you to reuse the paper. On an average each sheet can be used up to five times. This has a significant impact on the environment.

So even if the time for paperless offices has not yet come, you can now use less paper without having to print less.

¹⁾ IDC. *Worldwide Page Volume and Vendor Share Program*, October 2012.



For a greener tomorrow

Efforts to reduce the carbon emission are being made on a global level. With the possibility to reuse paper when printing, the e-STUDIO306LP/RD30 helps achieve this goal.

Greenhouse gases have a huge impact on the global climate and efforts to reduce the CO₂e emission are being made all over the world. The European Union e.g. aims at reducing the greenhouse gas emissions by 80% by 2050.¹⁾

Over the entire life cycle of an MFP it is the paper - not the manufacturing, transport or usage - which accounts

for largest part of the CO₂e emission. This is due to the fact that when producing one tonne of paper, approximately one tonne of CO₂e is emitted.²⁾

As the e-STUDIO RD30 is capable of erasing text and images from documents printed on the e-STUDIO306LP, it allows you to reuse the paper. When using each sheet five times, you reduce your paper consumption

by 80%. This of course also significantly reduces the CO₂e emission and helps protect the environment.

If you would like to calculate the CO₂e savings based on your individual print volume, please visit us at 5x1.toshiba.eu/BR.



Technically speaking...

CO₂ vs. CO₂e

Carbon dioxide (CO₂) is one of the most prevalent greenhouse gasses and has become a proxy when measuring greenhouse gas emissions. However, it is only one of many greenhouse gases. Others include water vapour, methane, nitrous oxide and ozone.

To take into account the emission of these other greenhouse gases an equivalent measure has been devised by scientists: the CO₂e (carbon dioxide equivalent). It allows other greenhouse gases to be expressed in terms of CO₂.

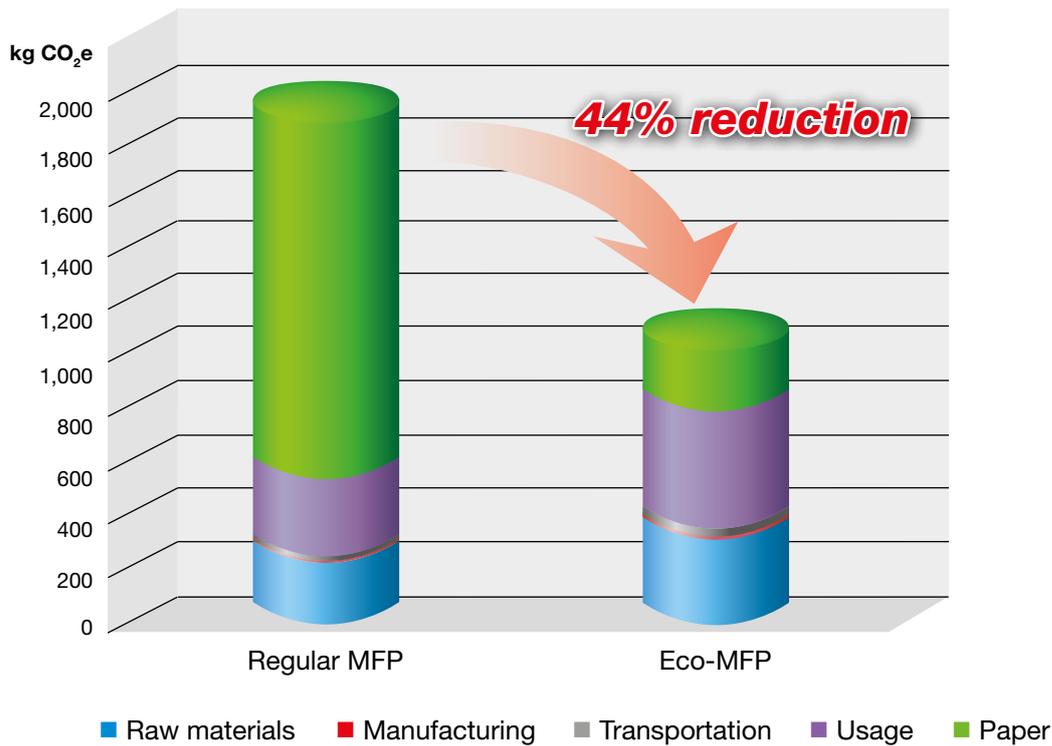
The calculation is based on the relative global warming potential (GWP) of the different greenhouse gases. With CO₂ having a GWP of 1, methane (CH₄) e.g. has a GWP of approximately 25. Therefore, the emission of one tonne of CH₄ is equivalent to emitting 25 tonnes of CO₂.

So by using the CO₂e a far more accurate greenhouse gas emission can be measured, giving you a more precise picture of the effects of these emissions.

¹⁾ European Union. *A Roadmap for moving to a competitive low carbon economy in 2050*. 8th March 2011.

²⁾ Defra. *Guidelines to Defra /DECC's GHG Conversion Factors for Company Reporting*. 2011, p. 40.





Comparison of CO₂e emission assuming an average monthly document volume of 5,000 A4 sheets over five years and 5-time usage of paper. Based on the average kg CO₂e per kWh in the European Union. Value will differ depending on country, average monthly document volume, life cycle and paper reuse.

Reuse before recycling

Reduce - Reuse - Recycle. These 3Rs are the base of environmental awareness. The e-STUDIO306LP/RD30 now fills the gap and makes reuse of paper possible.

Most of our natural resources are limited and using them as efficiently as possible is mandatory if we want to be responsible citizens.

Trees are renewable resources, but it takes a lot more to make paper. The process involves among others the use of water - a natural resource which is vital

for all known forms of life, but is becoming scarcer in certain parts of the world.

Over the past few years the process of making paper has become more and more environmentally friendly. Decades of innovations have resulted in resources being used to their fullest extent. Additionally, recycling paper has helped save resources.

Toshiba has now added a new level to environmentally conscious use of paper: Reusing it before recycling it. By using paper five times with the e-STUDIO306LP/RD30 before recycling it, it is possible to save 80% of natural resources otherwise needed to print the same volume.



Fully integrated into your fleet

The e-STUDIO306LP is more than just a green MFP. Its advanced technology is based on the Toshiba e-BRIDGE controller which ensures flexible connectivity with diverse applications and workflows.

Functionality

The e-STUDIO306LP offers you full functionality. Monochrome printing and copying with special blue toner as well as the colour scan function come as standard. And if you want you can extend the systems functionality by adding the optional fax.

Productivity

With a paper capacity of 2,300 sheets the e-STUDIO306LP is ready to handle even larger print jobs. You can make full use of a speed of 30 pages per minute without the need to refill paper.

The system can also scan in colour with a resolution of up to 600 x 600 dpi. And the scan speed can be up to 57 images per minute.

Usability

Ease of use is vital if you want to be effective. All Toshiba products are designed with the customer's needs in mind. The intuitive to use 9" (22.8 cm) LCD touch panel e.g. lets you access all functions the e-STUDIO306LP has to offer with just a few clicks, ensuring a smooth workflow.

Connectivity

Thanks to the Toshiba e-BRIDGE controller the e-STUDIO306LP becomes part of your modern workflow. A large choice of optional plug-ins, connectors or a fleet management tool allow you to easily customise the system according to your needs and existing workflows.

e-BRIDGE Technology

The Toshiba e-BRIDGE technology is the high-tech core of almost all our e-STUDIO system. It is the functional foundation for fast and fascinating document processing and highly productive applications.

This technology enables you to take advantage of the user-friendly features of Toshiba's Universal Printer Driver and enjoy the intuitive user interface on all e-BRIDGE-based devices. It also allows simple yet effective administration and service of your entire Toshiba fleet.





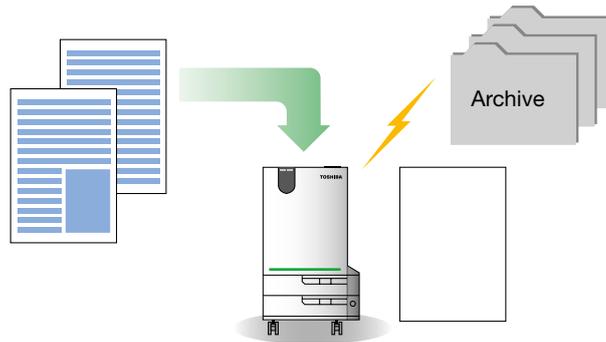
Save and erase

The e-STUDIO RD30 fully integrates into your digital workflow. It is capable of electronically archiving the content of your documents before erasing it.

The e-STUDIO RD30 can do more than just de-colourise paper. It is capable of converting your documents into electronic files and saving them for you.

Equipped with a single pass duplex scanner the system ensures fast conversion into JPG, TIFF or PDF format. These files are then stored on your server and become part of your digital archive, giving you access to the content at any time.

Once the document has been digitised, the content of the sheet is erased. For this the special toner on the paper is de-colourised by applying heat.



As a consequence the toner turns from blue to transparent, thus virtually erasing everything that was printed.

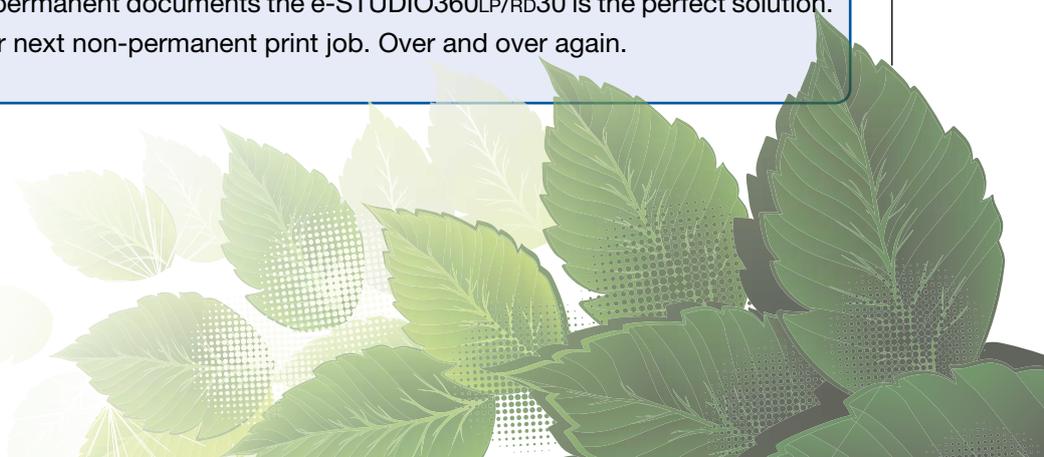
In a last step, the just erased sheet is scanned yet again and sorted into reusable and non-reusable paper and placed in the respective output cassette.

This entire process - archiving, erasing, sorting - is done fully automatically within just a few seconds. So with the new e-STUDIO306LP/RD30, being environmentally conscious will not stop you from using your time as productively as you are used to.

Permanent and non-permanent documents

Some documents just have to be filed and kept. There are e.g. legal obligations which require us to do so. These are permanent documents, printed with the intention to be kept long-term.

But very often we print documents even though deep down inside of us we know that we will probably not need them for very long. Eventually, as was to be expected, we throw them away. And sometimes we even print documents knowing very well we will throw them away within a few minutes or hours. Just think of all the documents you print out as a reminder to do something or to proof-read before sending. For exactly these non-permanent documents the e-STUDIO306LP/RD30 is the perfect solution. Simply re-use the paper for your next non-permanent print job. Over and over again.

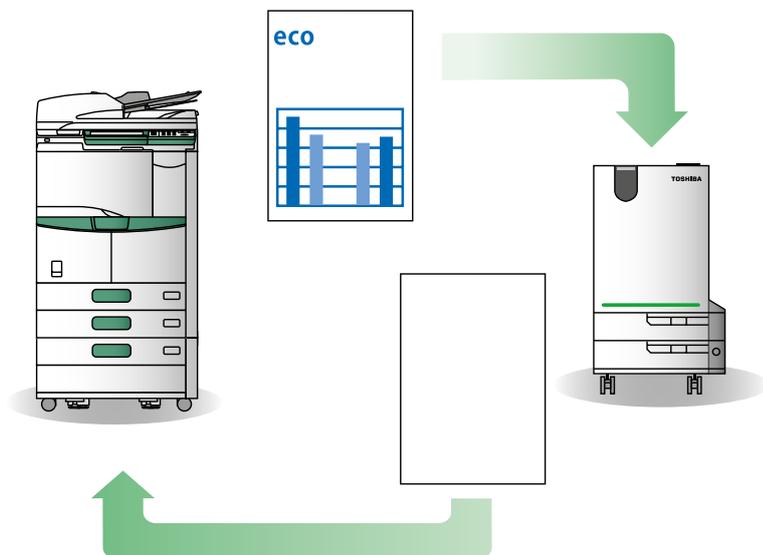


Ecology - Economy - Efficiency

 Reduce CO₂e emission by reusing paper.

 Save money by using less paper.

 Use your existing document workflow to be more ecological and economical.



Key specs at a glance

e-STUDIO306LP

Print & Copy speed
30 ppm

Scan speed
up to 57 ipm

Paper size & weight
Cassette: A5R-A3, 64-80 g/m²
Bypass: A5R-A3, 64-80 g/m²

Paper capacity
max. 2,300 sheets

e-STUDIO RD30

Erasing speed
up to 30 sheets per minute

Scan speed
up to 30 ipm

Paper size & weight
A5R-A4R, 64-80 g/m²

Paper capacity
up to 100 sheets (document feeder)
up to 400 sheets (reusable paper)
up to 100 sheets (rejected paper)

Productivity and paper specifications are related to a paper size of A4 and a paper weight of 80 g/m² if not otherwise mentioned.