

# AI is set to revolutionise the print industry

By [Greg Griffith](#)

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The explosion of digital media has had a major impact on how business is done and how consumers are engaged. It's perhaps not surprising then, that many might believe the future of printing is not that bright. However, they are mistaken.



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Although the use of print declined over the last two decades, the industry is embracing a new range of modern applications and is set to take advantage of the oversaturation and privacy issues digital platforms are experiencing. Beyond newspapers, magazines and books, print is embracing new waves of innovation.

No matter where you go, printed matter is visible everywhere. From labels to booklets to packaging and much more, print remains in demand. The packaging on every product we buy is printed. The demand for printing is in fact so much greater than most people realise, and that demand is driving constant innovation. In the post-Covid era, workplace applications allow users to securely access devices from their smartphones or tablets, introducing the concept of touchless printing and scanning, for example.

## The integration of print and digital

More and more, companies are creating their own apps for their customers, developing technologies and new methods to provide better services and solve clients' needs. New technologies have allowed companies to do more with print and reach more audiences.

The reason for this boom is interactivity, with printers integrating technologies into their workflows to provide more comprehensive solutions. In so doing, people are building seamless connections between the digital world and the physical, with printing playing a critical role in that process.

Customers today want customisation and one of the biggest developments in printing has been the shift towards smaller runs with greater customisation. It's the integration of digital technology that has made it affordable to do small print runs that were once impossible due to cost.

## **Environmentally sustainable printing**

The consumption of paper and ink cartridges are the two key concerns when it comes to printing. Sustainable printing methods are becoming more and more popular as businesses work to reduce their environmental footprint and engage in extensive recycling efforts. Advances in technology allow print suppliers to produce sustainable printed material with no effect on quality. Modern printers use less ink and produce significantly less waste, while also generating less heat, using less electricity, and even producing less carbon dioxide. Companies are continuing to find new ways to reduce waste and make printers more environmentally sound.

## **The 3D printing revolution**

3D printing is a fun way to produce creative work and it has totally taken off. People are using this amazing new technology to create all kinds of wild and wonderful 3D printer projects.

It allows for real, tangible, three-dimensional objects to be printed. 3D printers use a variety of additive manufacturing technologies, but they all have one thing in common: they create three-dimensional objects. 3D technology brings a limitless number of uses and benefits to users in any market. It allows you to quickly create true-to-life prototypes of your end-product, accurately display vital features, and produce high-resolution, customised end-use products and prototypes.

The technology completely shifts the paradigm for professionals engaged in architectural modelling, marketing communications, fashion design and more.

## **Easy and more accessible printing**

Home and office printing has become much easier than ever before, with improved productivity, efficiency and agility. Wireless printers can communicate wirelessly to other devices, including smartphones, tablets, laptops or PCs through either Bluetooth technology, Wi-Fi, or similar services.

Most recently, AI is set to revolutionise the print industry. Using it to cut down on waste, speed up production times, and deliver solutions that feel like they're straight out of the future, AI-powered solutions are redefining print. They're also resulting in faster turnaround times, reduced costs, and greater flexibility for customisation.

Since the human brain responds better to print than digital media, and also trusts it more, sending vibrant promotional and communication materials in paper format is likely to capture readers' attention and encourage a response for many years to come. Print and the personalisation that it offers is a secret weapon for marketing and communication departments.

New print technology enables people to coordinate campaigns that make the most of both print and digital media to deliver messages and information efficiently and effectively. It's an industry in flux, and one to watch.

## ABOUT THE AUTHOR

Greg Griffith is the hardware product manager at Kyocera Document Solutions South Africa.

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