

Working together in manufacturing



Smarter technology solutions

Manufacturing is changing and competition is fierce. Factories are becoming smarter, supply chains are becoming shorter, and production is driven by speed to market and customisation. Epson technologies are designed to help you adapt to a smarter future at your own pace.

Our flexible solutions will support your evolution as you become more customer-focused through personalisation, more efficient through automation, and more agile through augmented reality.



Increase operational flexibility

Be more responsive by automating every stage of the manufacturing process. Automate the tasks that slow you down, take advantage of the latest innovations, and increase efficiency throughout your business functions.

- Ensure repetitive tasks are more efficient with Epson's industrial robotic arms, which can take on multiple tasks and be integrated into existing assembly lines
- Reduce downtime and improve productivity with a hands-free remote assistance solution from Moverio smart glasses which can help to reduce skill gaps and perform maintenance tasks anywhere in the world
- Get paper processes under control with efficient document management from Epson's WorkForce Pro scanners and multifunction devices; route information to the right departments at the point of capture, and put insight at the centre of everything
- Improve quality control with the Epson Expression 12000XL scanner; scan swatches and samples to gain approval at concept stage, cross-check the electronic PCB boards at component level and use high quality software tools to maintain QC standards¹
- Adapt to changing needs by printing high-quality customised labels quickly and easily with Epson ColorWorks

Invest in the future

To reach the lean status that today's industry requires, you need to invest wisely. Cutting out business-wide inefficiencies and saving steps in the value chain can reduce time and costs, while improving quality.

- Optimise your resources with Epson's range of robotic arms, which provide a high output over a much smaller footprint, for maximum efficiency and reduced station times
- Support teams remotely with expert advice using Epson's Moverio smart glasses; share what workers see with the powerful HD camera and provide live feedback and advice to aid staff training
- Expand your range with Epson's SureColor and SureLab professional printers; offer customisable versions of fine art, cards and invitations on a wide range of media
- Make your products stand out with Epson's SurePress label press, which offers precise colour matching, accurate reproduction and lifelike shades for high-end, eye-catching product labels

Expect smarter results

Putting people at the centre of everything leads to a more effective workplace and happier customers. Combine the flexibility, creativity and instinct of your workforce with the versatility and on-demand qualities of new technologies to drive engagement and results.

- Advance your workforce by using Epson's robotic arms to increase productivity and precision, with very low risk of error
- See productivity in action by speeding up your entire workflow using Epson WorkForce Pro RIPS A4 and A3 printers, which offer low running costs, fast print speeds, and minimal intervention
- Make savings with our business EcoTank ranges which offer an ultra-low cost-per-page, thanks to high print yields, fewer consumables and cost-effective ink bottles. They also offer low power consumption and low maintenance
- Work with absolute precision using Epson's Moverio smart glasses; superimpose virtual guides and blueprints over the physical environment to aid worker education and resolve complex tasks quickly
- Accelerate the training process with Epson's interactive displays; encourage self-discovery by annotating over displayed content using finger-touch and dual pen interactivity

How much could you save?

See how much you could save on printing with our savings calculator.

Start your evolution

Automate routine operations

Integrate Epson's reliable range of robotic arms into your existing assembly lines, working as 'cobots' alongside your skilled workers. Our industrial robots operate non-stop to increase load capacity, speed and precision while performing repetitive, manual or unsafe tasks.



Access remote assistance

Empower your customers and field engineers with a remote assistance solution using Moverio smart glasses by linking them with in-house experts to perform complex tasks quickly and efficiently, while reducing travel costs and CO₂ emissions.



Reduce printing costs

Our WorkForce Pro printer range helps you spend less money on consumables and less time on maintenance – whilst also reducing environmental impact by using 83% less energy than comparable laser printers². Equally, our business EcoTank ranges give you high print yield, low maintenance, fewer consumables and reduced energy consumption.



Personalise labels, tags and inventory

Designed for high quality, customisable operation on a large scale, Epson ColorWorks label makers are the perfect tool to provide clearly visible labelling for inventory management, or to draw attention to important information such as use by dates or shipping information.



Simplify collaboration and training

Train new workers without having to type up notes, and collaborate with suppliers by communicating and sharing files in real-time – without leaving the workplace – using our interactive displays.



Discover short run inkjet label presses

Print high quality labels across a wide range of substrates and applications with our SurePress Label presses. Using AQ or UV inks, they are efficient and easy to set up and use, allowing users to expand their service offering.



Work with a range of print and textiles

Guarantee productivity for garment printing, be it high-volume sports apparel printing, stand-out quality fashion and home decor, or custom design T-shirts, the SureColor SC-F range can reliably provide unbeatable results.



Capture every detail

Digitise your documents to keep important plans secure. Minimise errors by scanning directly to SharePoint, replacing the previous version of the document. This ensures that there is no confusion and the stakeholders are always working to the latest set of plans.



Take steps towards smarter manufacturing



Boost efficiency with a mix of humans and robots

Get the best out of your skilled workers by introducing robots into your workforce. Epson's robotic arms work to complete time-consuming tasks autonomously on the assembly line. Extremely compact, versatile, manoeuvrable and scalable, they take care of non-skilled manual labour – leaving your skilled staff to focus on intelligent production and business growth.

Connect your workforce to information

Epson's Moverio smart glasses make carrying out complex tasks in demanding industrial environments quicker, easier and more intuitive. Hands-free visual and remote guidance make Moverio the perfect solution for testing, training, assembly, and maintenance operations.¹

Eliminate delays and disruption

If you're not being efficient throughout your business functions, it's going to have an effect on your people, suppliers and customers. Epson's range of printing and scanning solutions are designed to eliminate delays, disruption, waste and inconvenience. You can expect seamless logistics, product identification, invoice automation and inventory management. And that ultimately means easier supplier relationships and enhanced customer service.

More sustainable technologies

Not only are we committed to sustainability in manufacturing, sustainability is at the forefront of all our product areas.

Increased use of localised automation is resulting in less dependency on carbon-heavy offshore production. Robots are meeting the requirement for safe, socially distanced production, while at the same time allowing people to concentrate on more creative work.

Our Moverio augmented reality smart glasses are solving the challenge of conducting business in a virtual workplace with companies across Europe using Moverio glasses for remote technical assistance, significantly reducing the need for long distance travel and face-to-face contact.

Visual communications, the use of projectors in video conferencing and for education, is an area where Epson, as global market leader, can contribute to sustainability. While the workplace re-organises itself into more virtual hubs and governments look to improve education for remote communities, the need for effective visual communications is accelerating. Epson projectors are designed to reduce power consumption and extend lamp life. The Light Optimizer function automatically adjusts lamp brightness based on the projected image, so power consumption is reduced as much as 27% when projecting dark images and eco mode can reduce power consumption by as much as 29%.

Our Heat-Free printhead technology reduces energy consumption by up to 83% compared to laser printers, requires fewer consumables, is less wasteful and much simpler to maintain. If all European businesses switched to Epson inkjet technology, we could save 1 billion kWh a year, equivalent to a €151 million energy saving and, more significantly, reduce carbon impact by over 410 thousand tonnes of CO₂⁴. This same volume would require 18 million trees a year to absorb.

Our EcoTank inkjet printer is already delivering on its sustainable promise. EcoTank uses no cartridges – eliminating production, shipping and disposal impacts and creating only a tenth of the waste of traditional print models. As a result, to date we have saved around 1.6 million tonnes of plastic-based consumables through the sale of over 60 million cartridge-free EcoTank printers worldwide.

Epson is well placed for all these new challenges. Sustainability is in our DNA. Our Japanese roots are embedded in a strong tradition of making exceptional products from finite resources. Almost 80,000 employees worldwide share our commitment to sustainability. There is always a limit to what one company can do and it will take close collaboration and partnership with like-minded companies and people who share our vision to achieve more sustainability, enrich communities and improve the quality of our lives.

70% of the European workforce say robots or cobots will take on more complex tasks that would take humans longer to master³

Discover more manufacturing solutions

www.epson.eu/verticals/business-solutions-for-manufacturing



Protect the planet's future

At Epson, we understand the importance of supporting a greener planet for future generations.

Meet your environmental targets and use up to 83% less energy with WorkForce Pro printers²

Cut power consumption with eco-mode on your interactive display solutions and extend lamp life

Reduce your carbon footprint by using scanners with no warm-up time, and reduce power usage with built-in ReadyScan technology

See what you could save

Calculate the electricity and CO₂ savings our business printers could achieve in your manufacturing environment with our calculator.

www.epson.eu/eco-saving

Up to
83%

less energy than laser technology²

Up to
50%

faster from ready compared to laser printers⁵

Up to
96%

fewer used consumables than laser printers⁶

¹ Additional software and hardware required.

² Based on Epson calculations, the Epson WorkForce Pro WF-C8190DW uses 83% less energy than the HP Color LaserJet Enterprise M750dn, the highest-selling model in the A3 colour single-function 21-30ppm printer segment (IDC, Quarterly Hardcopy Peripherals Tracker, Q4 2015 to Q3 2019 shipments, published Q2 2020). Methodology based on 'Typical Energy Consumption', defined under and/or simulated with reference to the ENERGY STAR test procedure and presented in kWh per year.

³ Exceed Your Vision: Epson research into the future opportunities and challenges of technology through the eyes of 17 global industry experts and over 7,000 Europeans in work.

⁴ Calculated using standard conversion of 0.233 kg of CO₂e per kWh of electricity.

⁵ Based on Epson calculations, Epson business inkjet time-saving calculated by comparison to business laser devices' average lowest "Print/Copy time" ("from Previous Job", "from Ready State" or "from Sleep State") as reported by ENERGY STAR, added to the time taken to print at maximum speed the remaining pages in an average sized office print job and multiplied by the average number of print jobs per year, according to Keypoint Intelligence. Laser printer models identified using IDC, Quarterly Hardcopy Peripherals Track-er, Q3 2016 to 2020 Q2 shipments, published Q2 2020.

⁶ Storage space comparison based on Epson calculations of storage space requirements for packaged consumables sufficient to print 6,000 pages on 12 SFP and MFP (3-in-1) printers selected from among the top-selling 50% of A4 monochrome laser printers (below-20ppm class) listed in IDC Worldwide Quarterly Hardcopy Peripherals Tracker 2019Q2 data FY17 results. Average toner package unit volumes and yields for each model were calculated by Epson using toner package dimensions and yields published by the manufacturer for each model (as of August 2019). Actual size and number of toner cartridges required varies by laser printer model. EcoTank consumables quoted yields are simulated figures calculated by Epson based on ISO/IEC24711 methodology using ISO/IEC19752 test pat.

⁷ 2001 to 2020, 500-lumen and above, excluding screenless TVs, Futuresource Consulting – Quarterly Projector Market Insights – Worldwide Analyzer CY20Q4.

* Warranty offers are not available for all countries. Please contact your local Epson representative. For further information please contact your local Epson office or visit www.epson.eu/contact-us

Algeria +213 770 938 617 Austria 01 253 49 78 333 Belgium +32 (0)2 792 04 47 Czech +420 246 037 281 Denmark 44 50 85 85 East Africa (+254) 734 354 075 Finland 0201 552 091 France 09 74 75 04 04 (Cost of local call, operator charges may apply) Germany +49 (0) 2159/92 79 500 Greece (0030) 211 198 62 12 Hungary 06800 147 83 Ireland 01 436 7742 Israel (+972)-3-5751833 Italy 02-660321 10 (0,12 €/min) Luxembourg +352 27860692 Middle East +9714 2677638 Morocco +212 520 134 040 Netherlands +31 (0)20 708 5099 Norway +47 67 11 37 00 Poland +48 22 295 37 25 (0,16 zł/min) Portugal 707 222 111 Romania 0040 214025024 Russia (095) 777-03-55 Slovakia +421 232 786 682 Southern Africa +27 (0) 10 109 5320 Spain 93 582 15 00 Sweden +46 8 5051 3701 (Mobilsamtal – 0,99 kr/min, Lokala samtal – 0,30 kr/min, Utlandssamtal – 0,89 kr/min) Switzerland 022 592 7923 Tunisia +216 9811 5564 Turkey (0212) 3360303 United Kingdom 0871 42 37766 (+10p per minute plus network extras) West Africa (+234) 8020727843

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