

## ARMOR SMART FILMS, a serious new player in electroactive solutions

Drawing on its industrial know-how in formulation, printing and high-precision coating, ARMOR GROUP has created a new subsidiary, ARMOR SMART FILMS, devoted to printing and coating complex active materials on various kind of substrates. The teams and manufacturing equipment have been set up and have already started to design and produce these functionalized surfaces for key sectors such as MedTech, GreenTech and information and communication technology (ICT).

### ARMOR SMART FILMS, ARMOR GROUP's new subsidiary

ARMOR GROUP has stepped up the introduction of its smart films activity, which was being developed 'under wraps' these last few years, with the launch of its new ARMOR SMART FILMS subsidiary a few months ago. This new business, which already has its own dedicated teams, including recently appointed Fabien Resweber as Business Development Manager, can take advantage of existing speciality coating and screen-printing equipment, whilst planning to invest in new resources over the coming years.

A wide range of sectors, such as MedTech (medical technology companies), GreenTech (environmental and energy transition firms) and information and communication technology are concerned by the creation and production of smart films. The outlook for industrial and business development is highly promising, with applications linked to motion detectors, transducers, membranes for energy storage and production, desalination, capturing carbon and producing hydrogen using electrolysis. The scope of focus is extensive and includes piezoelectric films, films for energy production and storage, printed electronics, the formulation of complex materials and smart inks.

Fabien Resweber, Business Development Manager says: '*ARMOR SMART FILMS offers three complementary levels of service: R&D, prototyping and large-scale production. Confident about our development, we are aiming to triple our current sales by 2027.*'

### OVER €800,000 (\$834,000) INVESTED IN A NEW FLAT SCREEN-PRINTING EQUIPMENT

To combine multi-layer printing and mass production, but also to be able to print on rigid substrates or in sheet format, the company has just acquired a new large format flatbed screen printing machine - a printing technique based on the use of screens, enabling patterns to be printed with a high level of definition. Equipped with a drying tunnel and capable of printing media as large as one square meter at high speed and with great precision, this new equipment means that ARMOR SMART FILMS can now screen print very large volumes of intelligent surfaces. The machine also complements the company's existing A4 and A3 flatbed screen printers. These small-format printers are used specifically for exploratory work and prototyping. With this investment of over €800,000 (\$834,000), ARMOR SMART FILMS now has small, medium and large-scale flatbed screen printing capacity.

Pierre Guichard, CTO of ARMOR SMART FILMS states: '*In an increasingly connected world, the demand for sensors is exponential. The specificity of flatbed screen printing means that several layers can be superimposed, enabling the production of complex, patterned active devices such as sensors. Until now, our capabilities have been on an industrial scale for rotary printing, but on a laboratory and pilot scale for flatbed screen printing. With this new equipment, we're moving up a gear.*'

Meet ARMOR SMART FILMS at LOPEC  
Stand BOTH B0/409  
25-27 February 2025  
Munich fairground – GERMANY

[More information for press](#)

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Photo credit: ARMOR SMART FILMS

#### About ARMOR GROUP

ARMOR GROUP is a Mid-Cap company, committed to serving a dynamic industry, focused on the challenges of the future. This industrial group puts its expertise at the service of innovation and the production of essential components, in order to generate a positive social, environmental and economic contribution. ARMOR GROUP is 100% owned by the management team and 450 employees-shareholders. It is established worldwide and totals around 2,500 employees spread over some twenty countries across four continents. The Group recorded revenue of €436M in 2023 (proforma including THS acquisition). It invests €50M every year in industrial equipment and R&D. The Group is global leader in designing and producing thermal transfer ribbons for printing variable traceability data on labels and flexible packaging (ARMOR-IIMAK). ARMOR GROUP, a front-line European player for innovative, sustainable consumables and inks as well as print services (ALTKIN), is also a pioneer in developing and producing state-of-the-art materials like coated collectors for electric batteries (ARMOR BATTERY FILMS) and smart films and components (ARMOR SMART FILMS). Since 2023, ARMOR GROUP has developed the ARMOR GROUP Open Industry program, which aims to develop a positive industrial ecosystem for the French economy and the environment by investing in and supporting high-impact technology start-ups. [www.armor-group.com](http://www.armor-group.com)

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