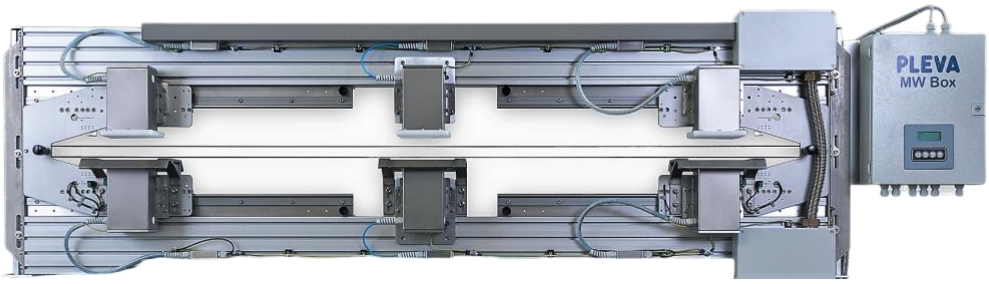
PLEVA: Where Safety Begins Long Before the Textile Is Worn



Every protective textile has a mission. Whether it shields a firefighter from flames, protects soldiers in extreme environments, or safeguards industrial workers against hazardous conditions, its performance can never be left to chance. The real story of safety begins long

before the finished fabric reaches the user—it begins on the production line, where precision determines protection.



Recognising this critical need, **PLEVA GmbH** has introduced its advanced **AF 310** and **AF 120** microwave measurement systems, designed to bring unprecedented accuracy to coating, printing and finishing processes for technical textiles. By measuring coating applications continuously, contactlessly and non-destructively during production, the systems detect deviations instantly, allowing manufacturers to take corrective action before valuable material is wasted.

The AF 120 precisely monitors coating at a single position, while the AF 310 measures simultaneously across the left, centre and right of the fabric, ensuring exceptional coating uniformity throughout the material. This capability is especially valuable for high-performance coatings, foams and specialty finishes where consistency directly influences product reliability and safety.

Beyond quality assurance, PLEVA's technology transforms manufacturing efficiency. Faster machine setup, reduced start-up waste, fewer manual inspections, lower chemical consumption and decreased drying energy all contribute to a more sustainable and cost-effective production process. Integrated with **PLEVATEC pro**, manufacturers can visualise, document and analyse production data, strengthening traceability, process optimisation and seamless integration into Industry 4.0 environments.

In a world where technical textiles are expected to perform flawlessly under the most demanding conditions, PLEVA is proving that true product excellence starts with manufacturing excellence. By combining precision measurement, sustainability and intelligent process control, the company is helping textile manufacturers deliver products where quality is assured, resources are conserved, and safety is engineered into every metre of fabric.