

# SAHM 870XE

Ultimate Control in Composite Applications

Discover the  
new SAHM 870XE at  
**JEC WORLD**  
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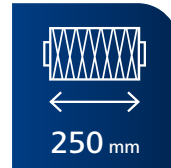
# SAHM 870XE

## Ultimate Composite Control

As a world-leading provider of winding technology, SAHM proudly introduces the new SAHM 870XE – a winder specifically engineered for composite tow-preg applications and the future of high-modulus carbon fiber manufacturing.

The SAHM 870XE has been developed to guarantee perfect-quality bobbins for the most demanding composite materials.

Every mechanical, control, and handling detail has been optimized to ensure uniform package build, stable tow guidance, and maximum material integrity – and to deliver unmatched performance for critical production processes.



## **Custom built. For zero tow stress.**

The roller system and yarn guide concept are specifically developed for special composite materials and high-modulus carbon fiber products. Carefully selected surfaces, optimized geometries, and precise guidance paths minimize fiber stress and prevent damage, ensuring consistent quality for even the most sensitive and premium tows.

## **Higher output. Higher quality.**

With a maximum winding speed of up to 120 m/min, the SAHM 870XE combines high productivity with uncompromising quality, delivering stable operation while consistently producing uniform, perfectly shaped packages.



## **Optimized throughput. Non-stop.**

For maximum efficiency and process reliability, the winder supports exact bobbin length winding with automatic changeovers. This enables continuous production, precise length control, and repeatable quality – ideally suited for demanding tow-preg processes and downstream automation.

## **Full automation. End-to-end.**

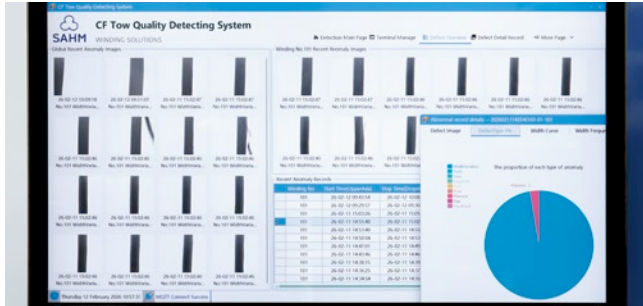
For complete line automation, SAHM also offers the CB1 AGV system, a robotic bobbin handling system to enable fully automated material handling across the entire winding line. This automated guided vehicle solution eliminates operator-related faults and reduces labor costs – creating a stable and highly efficient production environment with integrated quality control.



## **Shoot it. Save it. Prove it.**

To further enhance quality assurance and traceability, the SAHM 870XE can also be equipped with an advanced camera-based quality monitoring system which continuously inspects filament and tow integrity in real time.

All events are documented with statistical data and high-resolution image records for full traceability and process optimization.



## Detected. Protected.

Deviations from defined quality criteria automatically trigger alarms for immediate corrective action.

Alarm processing can even include a setting for an automatic bobbin changeover to keep material waste to a minimum while ensuring uncompromised production quality.

## Scale it. Your way.

Need compact? Need capacity? Depending on required output and capacity, the SAHM 870XE can be realized in a space-saving frame design or in upscaled configurations to provide the necessary number of winding positions, while of course maintaining the same high-quality standards.

The SAHM technical team will be happy to tailor and optimize layouts together with you. Their deep expertise in winding technology and composite processes make it possible to translate even specialized or unique production requirements into highly reliable and efficient machine concepts.

# Let's talk about ultimate control!

Contact us by phone or email. We'll be happy to advise you and develop a solution tailored to your needs.



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