

CONVERTING · COMPOSITES · CARBON FIBERS



# SAHM 460XE Series

Precision Parallel Winders



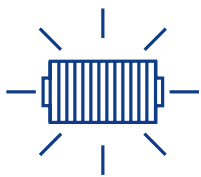
WINDING SOLUTIONS



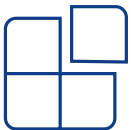
# SAHM 460XE

These precision parallel winding machines with traversing spindle are specially designed to meet the demanding requirements that come with handling sensitive materials and tapes.

The winders of the SAHM 460XE series produce bobbins of consistently high quality and support a multitude of bobbin types and winding materials. Their low-maintenance design ensures reliable and highly predictable machine availability.



Excellent package quality



Modular design



Quick and efficient product changes



User-friendly setting of parameters



# 460XE Series



300 m/min



300 - 500 mm



400/500 mm

## MAIN TECHNICAL PARAMETERS

Winding technology	Precision parallel winding, precision cross winding
Package diameter	Max. 400 or 500 mm
Frame	2- or 3-tier
Material width	Up to 35 mm (6" tube up to 65 mm)
Winding speed	Up to 300 m/min*
Traverse length	Max. 300, 400 or 500 mm
Package weight	Max. 20 kg, 40 kg*
Yarn tension	30 to 3,000 cN*
Bobbin types	Cylindrical, cops, diablo, pancake, step winding, delta stepwinding, multiple, flange tubes, cross winding

Combination of all maximum values is not possible.

\* Others on request

The optimal roller configuration, yarn guidance technology and surface coating utility can be selected in accordance with the winding material properties. This guarantees that all types of winding material will be handled smoothly and precisely and correctly wound onto the bobbin.

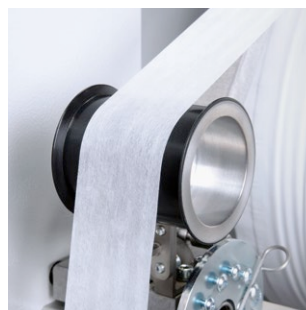
## APPLICATIONS

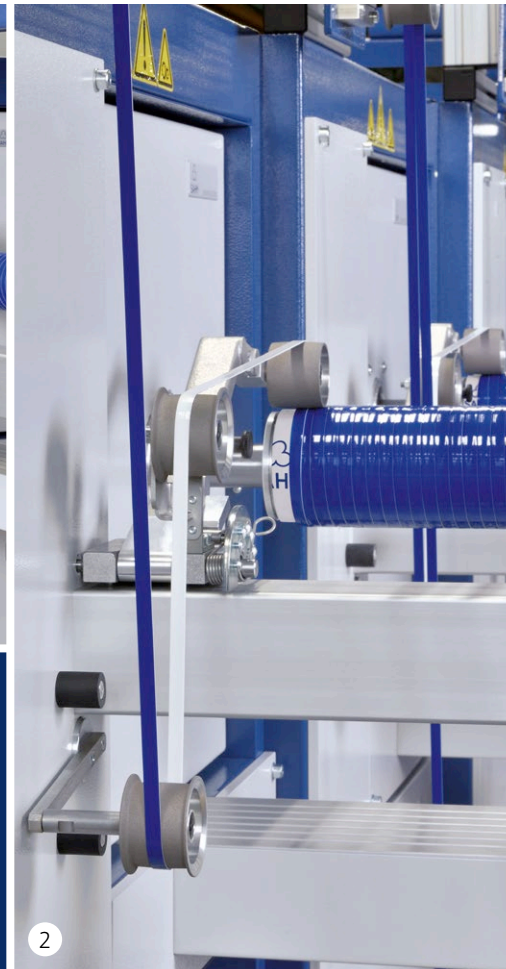
### Main applications

- Foamed (adhesive) tapes used for sealing, insulating, etc.
- Towpreg and prepreg tapes for components made of composite materials
- Pitch-based carbon fiber for high-tech applications

### Various applications

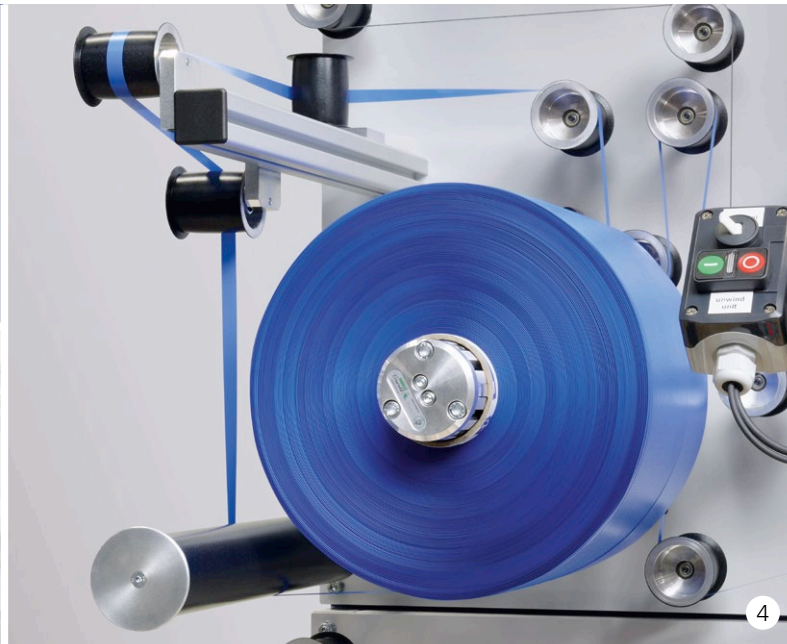
- Security tapes and holograms, Aluminium/PET compound foils, copper tapes





● FEATURES ○ OPTIONS

- |  |   |
|--|---|
| ● Individual drives for spindle and traversing   | ① |
| ● Direct feeding of the winding material onto the traversing spindle   | ② |
| ● Defined reduction of yarn tension  |   |
| ● Central process control unit (HMI touch screen) for input, display and storage of process and machine parameters |   |
| ● Alarm management (e.g. yarn break, bobbin changeover)  |   |
| ● Different roll shapes  |   |
| ○ Alternative surface coating of the rollers   |   |
| ○ Pneumatic mandrel (for various cylindrical tubes)  |   |
| ○ Single yarn tension  |   |
| ○ Pull roll  |   |
| ○ Mechanical unwinding for pancake bobbins   | ③ |
| ○ Powered unwinding for cylindrical bobbins  | ④ |
| ○ Gap winding  |   |
| ○ Interface to DCS (OPC-UA)  |   |
| ○ Label printing system (incl. SAHM IPC, software for label design and for management of printing orders)          | ⑤ |
| ○ Recipe database (incl. SAHM IPC)   |   |
| ○ Remote support: Remote access and support for diagnosis and guidance during troubleshooting                      | ⑥ |



**FRAME UNITS** (examples)



## Integrated solutions in slitting and winding

SAHM winding machines are known around the world for their outstanding precision, trend-setting technology and durable, low-maintenance designs. These are the characteristics that also make them the perfect choice for use in the converting industry.

In cooperation with well-known partners, we provide our customers with comprehensive, integrated solutions in the field of slitting and winding technology. As project leader, SAHM can take responsibility for the complete coordination and communication between the involved companies. For our customers, this means: a single contact partner for the reliable delivery of complete technology solutions.



Design, configuration and scope of supply are subject to change without notice and errors are excepted. Drawings/photos not binding.



Georg Sahn GmbH & Co. KG  
Sudetenlandstrasse 33 · 37269 Eschwege · Germany  
T: +49 5651 804-0 · F: +49 5651 13620  
www.sahmwinder.com · info@sahmwinder.com  
A MEMBER OF STARLINGER GROUP

GERMAN   
Technology

