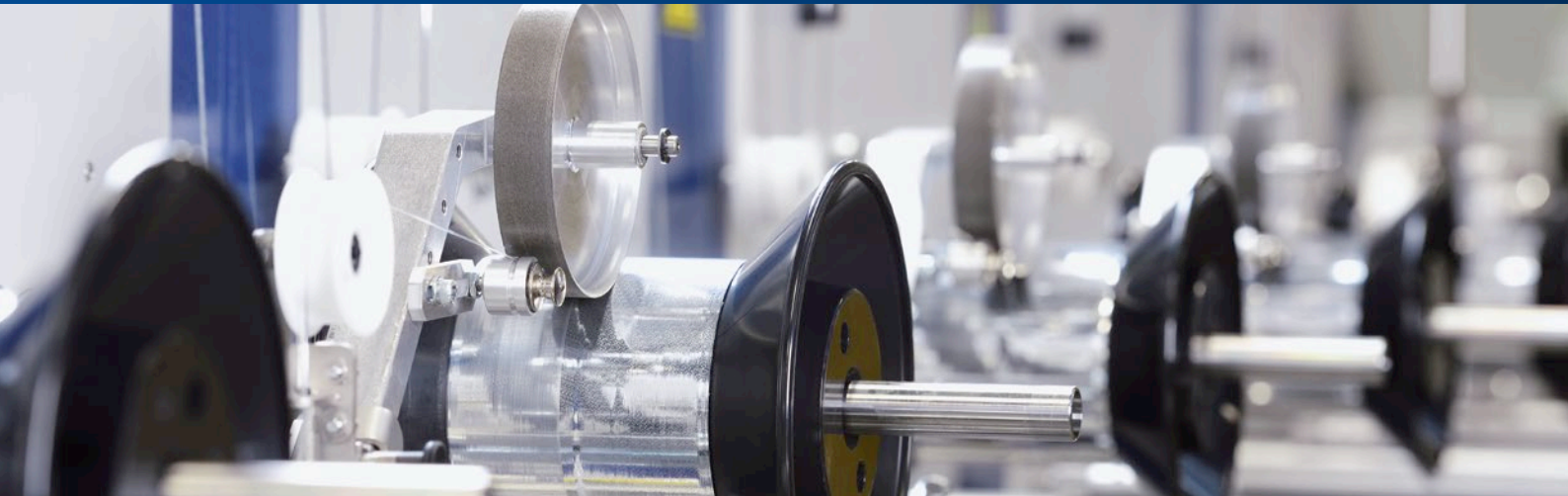


CONVERTING



# SAHM 411XE

Precision Parallel Winder



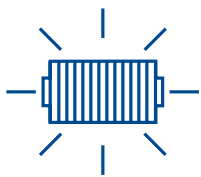
WINDING SOLUTIONS



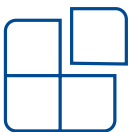
# SAHM 411XE

This precision parallel winding machine is specially designed to meet the requirements of the converting industry.

It produces bobbins of consistent high quality and supports a multitude of bobbin types and winding materials. Its low-maintenance design ensures reliable and consistent predictable machine availability.



Excellent package quality



Modular design



Quick and efficient product changes



User-friendly setting of parameters





300 m/min



310 - 510 mm



400 - 615 mm

## TECHNICAL DATA

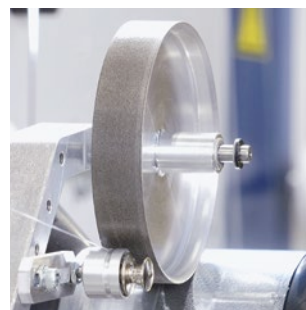
Package diameter		400 mm	500 mm	615 mm
Winding technology	Precision parallel winding	●	●	●
Drive	Frequency-controlled	●	●	●
Frame	3-tier	●	●	
	2-tier			●
Material width	1 to 25 mm; depending on the material up to 35 mm	●	●	
	Depending on the material up to 50 mm			●
Winding speed	Max. 300 m/min (others on request)	●	●	●
Traverse length	Adjustable up to 310 mm; optionally up to 410 or 510 mm	●	●	●
Tube inside diameter	22, 76.2 or 152.4 mm (others on request)	●	●	●
Yarn tension	Electronically adjustable	●	●	●
Bobbin types	Cylindrical, cops, diabolo, pancake, step winding, delta stepwinding, multiple, flange tubes	●	●	●

Combination of all maximum values is not possible.

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.

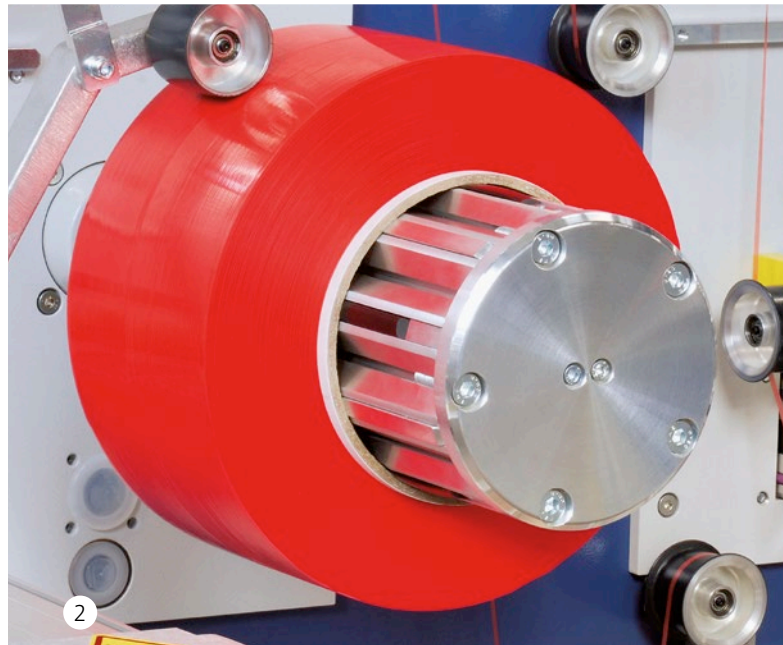
## APPLICATIONS

- **Security tapes and holograms**  
For banknotes, admission tickets, credit cards, etc.
- **Aluminium/PET compound foils**  
For data cables, automotive cables, etc.
- **PP adhesive tapes (tear tapes)**  
For food packaging, corrugated cardboard packaging, etc.
- **Various applications**  
Nonwoven materials for diapers, rubber bands for tires, copper tapes for solar panels, teflon tapes for sealing, prepreg tapes for textiles, etc.





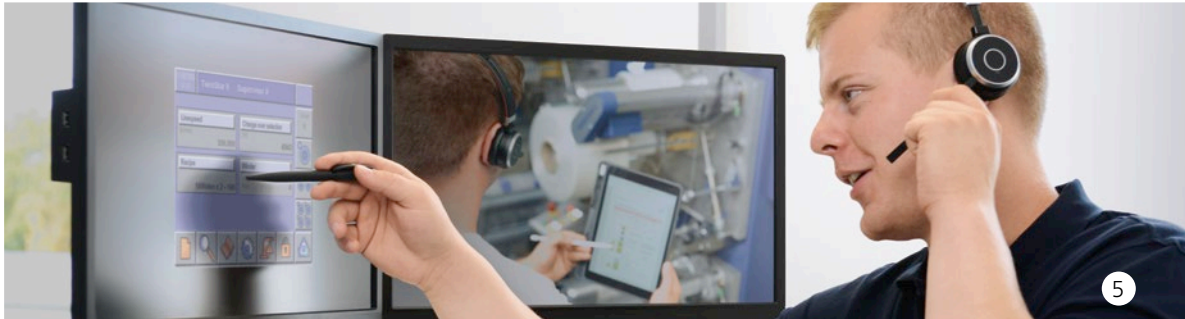
1



2

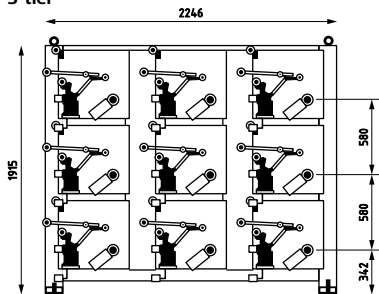
● FEATURES ○ OPTIONS

- Individual drives for spindle and traversing
- Individually controlled single-traversing
- Decreasing yarn tension with increasing package diameter
- Central process control unit (HMI touch screen) for input, display and storage of process and machine parameters (1)
- Alarm management (e.g. yarn break, bobbin changeover)
- Different roll shapes
- Alternative surface coating of the rollers
- Pneumatic mandrel (for various cylindrical tubes) (2)
- Single yarn tension
- Doffer (for loading onto a bobbin trolley or for easy unloading) (3)
- Bobbin trolley (adapted to the frame layout of the SAHM 411XE)
- Interface to DCS (OPC-UA)
- Label printing system (incl. SAHM IPC, software for label design and for management of printing orders) (4)
- Recipe database (incl. SAHM IPC)
- Remote support: Remote access and support for diagnosis and guidance during troubleshooting (5)

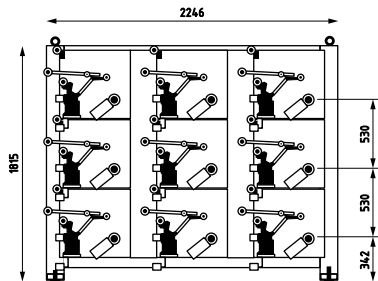


**FRAME UNITS (EXAMPLES)**

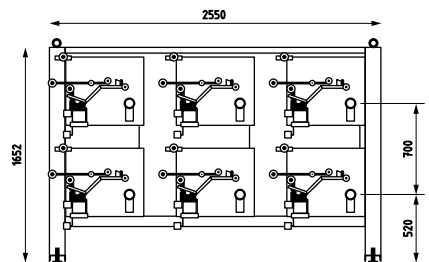
**3-tier**



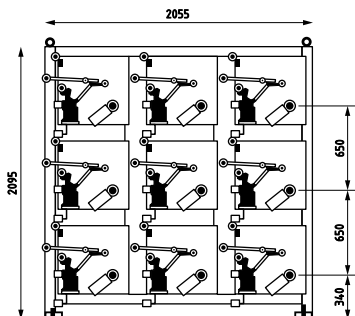
**3-tier compact**



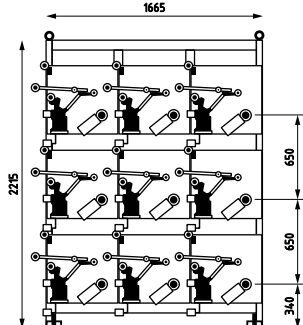
**2-tier**



**3-tier horizontal**



**3-tier horizontal, compact**



## 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.



SAHM 411XE winders with an SSM 400 slitting machine from Adolf Müller GmbH und Co. KG

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



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