



SIPAPER^{CIS} Winder

The perfect drive solution
for finishing machines and slitter winders

Industrial Technologies

SIEMENS

Highly efficient drive solutions for new and modernized plants

The smart, modular SIPAPER^{CIS} Winder concept offers the right solution for new and modernized finishing machines and slitter winders. Whether your winder is simple or complex, you can take advantage of our experience for an efficient, reliable and safe solution.

The challenge

The paper industry is facing the biggest challenges ever. Customers are demanding the very highest quality and unfailing availability. On top of this, you must contend with growing cost pressures and aggressive competition. What do you need to meet these market challenges? A highly efficient plant with the best equipment, modernized systems and upgraded functions. You also require efficient production processes with simplified operations, optimized diagnostic capabilities and extremely high safety standards, combined with the best possible energy efficiency and minimum maintenance and commissioning costs.

Fast, expert technical support is another important factor in minimizing down times.

Based on our many years of winder technology experience, we have developed a novel drive concept that will always ensure your competitiveness: SIPAPER^{CIS} Winder, the modular drive solution for finishing machines and slitter winders for the paper industry.



Our solution

SIPAPER^{CIS} Winder is specially developed for the paper industry's finishing machines and slitter winders. With SIPAPER^{CIS} Winder, we offer you tailored functionalities that cover a wide range of application areas – from the latest generation of high-end machines to the old established and proven winders. The modular design of the system and the abundance of integrated interfaces allow the system to be adapted exactly to your individual standards and requirements. Based on our experience and expertise, we can design for you an individualized, complete system with high-efficiency drives and the SIMATIC S7 – the global market's leading automation system.

SIPAPER^{CIS} Winder operates with the innovative and proven SINAMICS drive system, a feature that allows for the full potential of the highly dynamic functions and control accuracy of modern, three-phase motors. It can also be included in state-of-the-art safety concepts with integrated and certified safety functions. The modular system includes the DC-Master product series, which provide a modern method of controlling tried-and-tested DC drives. When it comes to operation and maintenance, SIPAPER^{CIS} Winder is compatible with SIPAPER^{CIS} Drives, which is based on the same platform. The identical look and feel of the two solutions minimizes the need for cost-intensive training and it also simplifies servicing.

SIPAPER^{CIS} Winder: Your advantages

- The modular concept is compatible with other SIPAPER^{CIS} products
- Thanks to the high degree of scalability and expansion capability, it's ideal for the modernization and conversion of existing plants
- The new, compact generation of SINAMICS converters permits the modernization of the switchgear, even if available space is restricted
- The globally applied SIPAPER^{CIS} Winder standard offers a host of control and winder-specific functions
- Energy-efficient system design for least possible reaction on supply system
- An identical control system for drives, power distribution and processes ensures maximum operating reliability, availability and investment protection
- A maintenance-friendly, low-noise and space-saving design
- A standard operator interface with clear layout and intuitive input for more information and ergonomic control. Also, low training costs
- Prefabricated basic modules with implemented functions reduce engineering expenditure and speed up commissioning
- The use of proven technology components results in higher plant availability
- We provide global service and project planning support



Modernization:

You can also integrate SIPAPER^{CIS} Winder components into existing plants quickly and easily. That's because of its modular concept and abundance of interfaces, which are based on global industry standards. Our design ensures the availability of spare parts as well as your machines' maximum uptime. Thanks to their extreme compactness, SINAMICS drives allow you to modernize even in switchrooms where only a small amount of space is available. Modernizing a winder offers a clear cost advantage over a new installation, while allowing you to achieve the same performance.

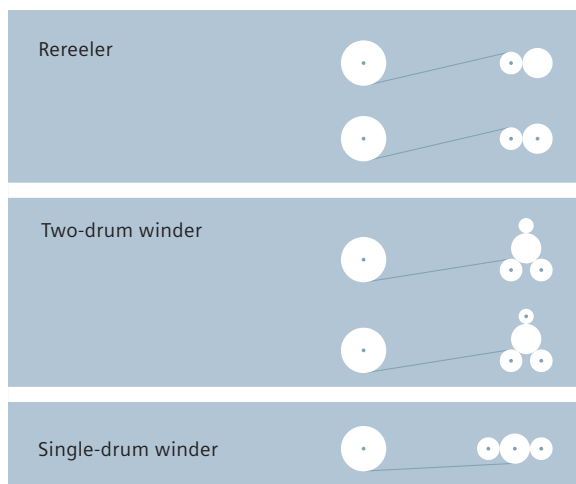
Standardization:

We systematically base SIPAPER^{CIS} Winder on the application, updating and further development of standard solutions. Using standardized software modules for frequent and typical winder applications considerably simplifies the software and minimizes the risk of errors. Combined with the widespread use of SIPAPER^{CIS} Winder, this allows faster troubleshooting and that in turn results in optimized service and support.

Service:

As your global business partner, we see our role as more than just a supplier of products. We offer you a comprehensive range of services over the entire life cycle of your machine, providing you with support, answering all of your questions and offering you complete solutions for modernizing and optimizing your entire plant.

SIPAPER^{CIS} Winder, types



Siemens AG
Industry Sector
Industry Solutions Division
Industrial Technologies
P.O. Box 3240
91050 Erlangen
Germany

E-mail: paper@siemens.com

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.