

Winder

for measurably better results

HANS VON DER HEYDE



Seamless.

Tailored Solutions for Every Profile

Wrapping extruded plastic profiles is a critical step in the production process. Our technologies ensure uniform packaging of the material and protect the profiles from deformation, damage, and unnecessary scrap.

Depending on the application, we recommend vertical and horizontal wrapping systems that can be seamlessly integrated into the production process. We use a platform-based approach, on which our base models are built:

As standardized as possible,
as customized as necessary.

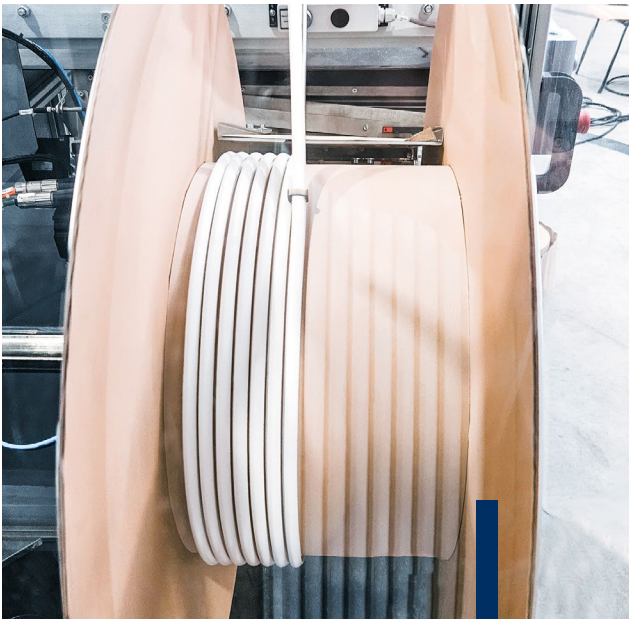
- ✔

Material
From ultra-soft to barely flexible. We wind standard and specialty materials ranging from soft PVC to TPE and SEBS, all the way to EPDM, silicone, and related materials.
- ✔

Weight
Depending on the weight, different alignment options may be considered. We can handle maximum coil weights of up to 300 kg.
- ✔

Spool
Our models can be flexibly adapted to accommodate different coil sizes and types, or converted to wind onto a loose spool.
- ✔

Automation
We integrate every winder into the extrusion line. Our disc and swivel-arm winders ensure a continuous material flow and high production speeds with either manual or automatic reel changes.

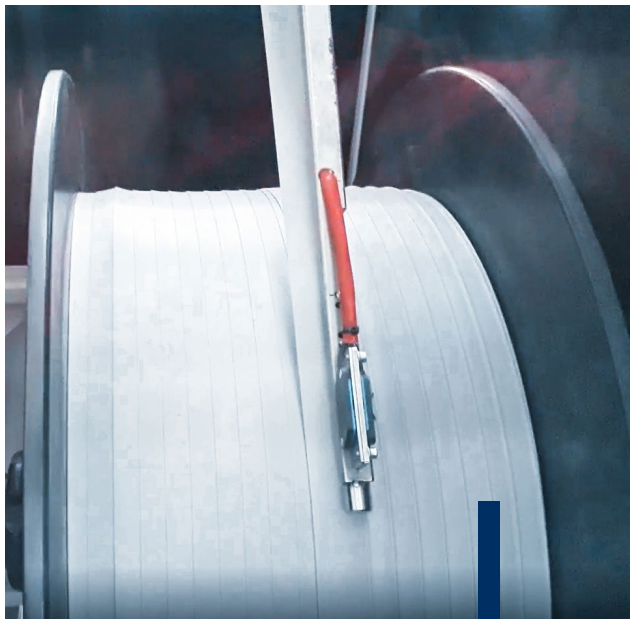


Winder

Our winders operate without interruption; their two winding stations switch over as soon as a specific package size is reached.

Depending on the model, profile separation is either automatic or semi-automatic. We design add-ons based on these standard models.

	Winder Basic	Winder Plus	Winder Plus with cardboard insert
Roll material	Robust, resilient and soft winding profiles up to 100 kg per roll	Deformation-sensitive profiles, e.g. PVC soft, TPE, SEBS, EPDM up to 100 kg per roll	Deformation-sensitive soft profiles, e.g. PVC soft, TPE, SEBS, EPDM up to 100 kg per roll
Roll type	Cardboard spools, plastic spools, loose coil, spiral winding	Cardboard spools, plastic spools, loose coil, spiral winding	Cardboard spools, plastic spools, loose coil, spiral winding
Spool dimensions	Outside diameter 700–800 mm / Core diameter approx. 200 mm / Max. laying width 500 mm	Outside diameter max. 800 mm / Core diameter approx. 250 mm / Max. laying width 500 mm	Outside diameter max. 800 mm / Core diameter approx. 250 mm / Max. laying width 500 mm
Extrusion speed	Max. 100 m/min (without haul-off drive)	Max. 50 m/min, can be increased to approx. 70 m/min (for spool diameters > 300 mm)	Max. 50 m/min, can be increased to approx. 60 m/min (for spool diameters > 300 mm)
Winding tension	Not adjustable (via dancer weight)	Adjustable	Adjustable
Automation	Profile separation and loading manual, turret arm automatic	Profile separation, loading and turret arm automatic	Profile separation, loading and turret arm automatic, core insertion automatic



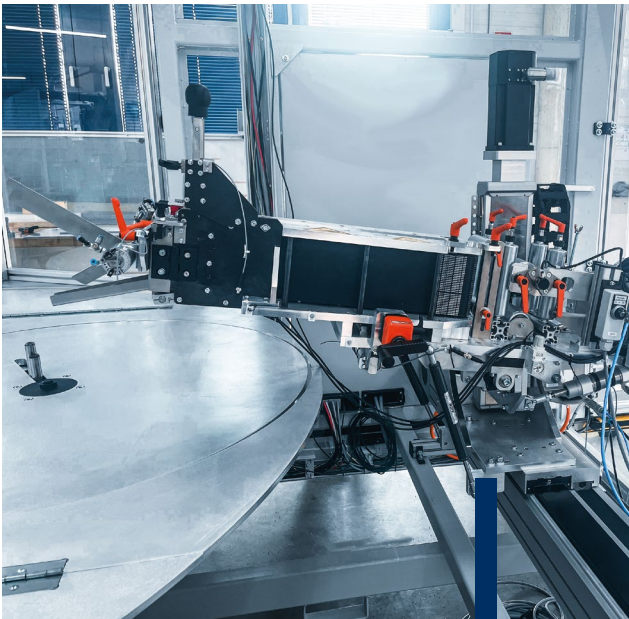
Double winder

While one spool is being wound, the second winding station can be set up or loaded with an empty spool. Once the desired winding length is reached, the profile is cut manually, the laying portal is

moved to the second winding station, and the profile is placed there so that the winding process can begin again.

Roll material	Sturdy, bulky, and soft wrapping profiles, including those with steel reinforcement, with a capacity of up to 120 kg per package
Roll type	Cardboard spools, plastic spools, loose bundle, spiral winding
Spool dimensions	Outer diameter 1,000 mm / Inner diameter approx. 200 mm Installation width max. 500 mm
Extrusion speed	Max. 200 m/min (depending on the drive)
Winding tension	without controlled winding tension or using counterweights
Automation	Profile separation, loading, and swivel arm operated manually—automation available as an add-on

Additional technical specifications are available upon request, including for other variants of this base model.



Horizontal winder

Our horizontal winders are specially designed for the gentle and precise winding of profiles that are susceptible to deformation. Thanks to a controlled winding technique, the process is particularly gentle on the material, without causing deformation or

pressure marks. Even the most delicate profiles are wound cleanly, with minimal tension, and reliably—ideal for high product quality and efficient further processing.

Roll material	Profiles sensitive to deformation, e.g., made of soft PVC, TPE, SEBS, EPDM, and silicone
Roll type	single-layer and multi-layer
Spool dimensions	Outer diameter 800 mm or 1,000 mm
Extrusion speed	up to 50 m/min, depending on production conditions
Winding tension	without winding tension
Automation	Automatic profile separation, feeding, and plate change

Additional technical specifications are available upon request, including for other variants of this base model.

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