

## Series W2000 horizontal sliding winders for the most challenging tasks

The winders series W2000 are horizontal sliding winders. They operate individually moveable winding stations, thus having no free web length at roll change and not producing “indexing scrap” as turret winders do. These winders are preferably used in cast film lines and extrusion coating lines. They are equipped with different cutting units according to their final application. Basically 3 models are available:

The winder W2000 robotic is used for packaging/lamination films like CPP, CPE films and barrier films. Due to its strong guillotine cutting knife it is also suitable for laminated structures in the coatings industry.

The winder W2000 aerofilm is used for the production of hygiene films, which can be slit inline. Cross cutting is done by means of a twisting knife. Roll diameters up to 1000mm are possible.

The winder W2000 stretch wrap features a driven contact roll, an air nozzle start up basket, a guillotine cutting unit, an automated roll handling and a core feeding device. It is optimised for stretch film, allowing for a short cycle time of 70 seconds and on the other hand offering 3-inch jumbo rolls up to 450mm diameter.

Winders series W2000 are known for their solid and versatile design. Depending on the field of use, they are operated at speeds from a few meters to 750 m/min. For such high line speeds, the winders also include a built-in anti-vibration system. Any vibrations that do arise are deflected to the side walls by means of steel anchoring rods, where they are dampened down into polymer concrete. Sensitive web tension control is guaranteed by an ultra-light carbon-fibre dancer roller system. Web tension is controlled in the speed control mode making it independent from both motor size and bobbin diameter. A satellite system optimises the angle between the wound bobbin and the incoming web, which in return minimises the trapping of air.

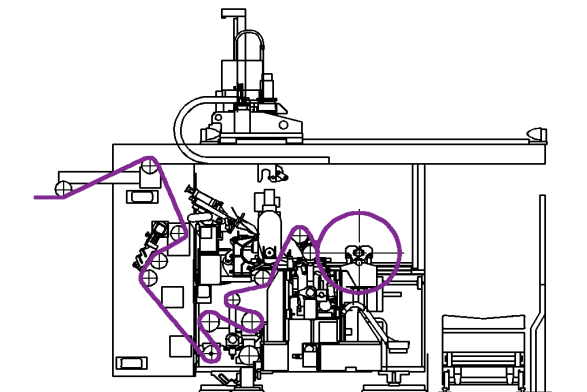
Winders series W2000 have large 15-inch TFT colour operating screens. The PLC offers individually adjustable winding taper curves for various products. The error diagnostics tools and a modem connection ensure easy servicing and troubleshooting.

# WINDING TECHNOLOGY

## SERIES W2000 HORIZONTAL SLIDING WINDERS ►

### product

	ROBOTIC	AEROFILM	STRETCH WRAP
Application	CPP, CPE and barrier films	hygienic films and laminates	stretch wrap film / cling film
Thickness range	15 - 300µm	15 - 50 g/m <sup>2</sup>	10 - 60µm
Net film width	1750 / 2050 / 2350 / 2650 / 2950mm	1925 / 2225 / 2525mm	1750 / 2150 / 2650mm



### configuration

	ROBOTIC	AEROFILM	STRETCH WRAP
Maximum mechanical line speed	350 m/min	350 m/min	600 m/min
Winding mode	gap and contact	contact	contact
Shafted system	3-inch and 6-inch	3-inch and 6-inch	3-inch and 6-inch
Winding tension	10 - 100 N/m	10 - 100 N/m	10 - 100 N/m
Contact roll pressure	50 - 500N	50 - 500N	50 - 900 N/m
Roll start up device	belt cage 3-inch / 6-inch	electrostatic pinning	belt cage 3-inch / (6-inch optional)
Max. mechanical roll diameter 3-inch	600mm or smaller, if the total weight exceeds 450kg with part bobbins	600mm or smaller, if the total weight exceeds 450kg with part bobbins	450mm
Max. mechanical roll diameter on 6-inch	980mm or smaller, if total weight exceeds	1000mm or smaller, if total weight exceeds	650mm
Cores full width	2200kg	2200kg	
Cross-cutting device	guillotine	twisting knife	guillotine
Shaft/roll handling system	robot and trolley	robot and trolley	robot and trolley
Inline slitting	possible	possible without bleed trim cutting	possible with bleed trim cutting
Touch screen	15-inch colour screen	15-inch colour screen	15-inch colour screen