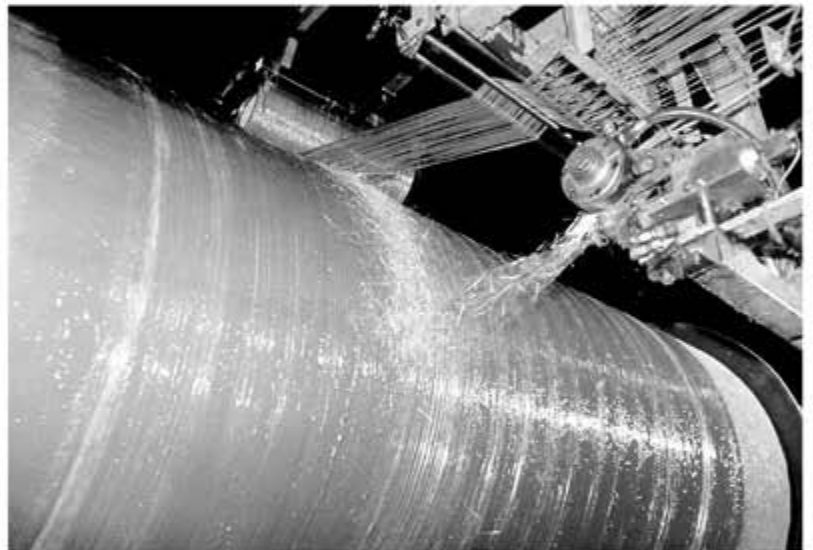


Econo-Winder

FILAMENT WINDER (MANUAL CONTROL)



180° Carriage Pivot

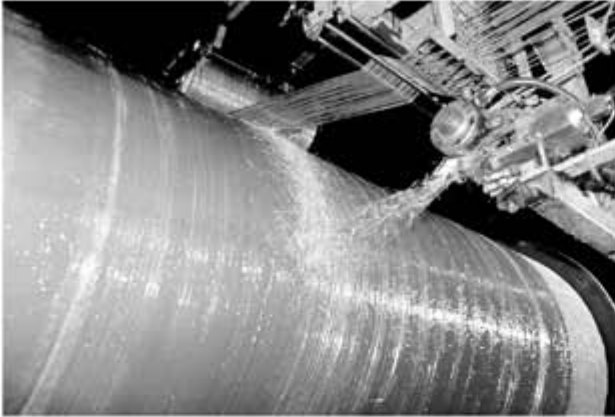
Highly Modular - Able to Grow With Your Operation

Varied Material Applications



Econo-Winder

FILAMENT WINDER - MANUAL CONTROL



The **Econo-Winder** is the base model in our innovative, modular filament winding product line. The Econo-Winder, a manually controlled machine, boasts low production costs in the manufacture of superior corrosion-resistant products. This system is the ideal choice for production needs that do not require full automation. Products commonly made with this system include tanks for storing oil, brine and chemicals and smokestack liners.

The Econo-Winder allows a second mandrel to be in production while the first is curing. An M.V.P. chop-and-spray gun is used to wet out up to 60 winder strands at a production rate up to 200 SFM.

The controls for carriage direction and speed, roller pressure, and styrene spray are all mounted on the carriage control box.

The Econo-Winder can apply a parting film, surface veils, chopped liners, filament winding strands, wax surface coat, pigmented surface layer, unidirectional tape, woven roving tape and various special resin mixtures.

The beauty of the Econo-Winder modularity is the ability to easily upgrade to the Ultra-Winder for a minimum cost.

Specifications:

OUTPUT CAPABILITIES

Resin:
approx. 15 lbs./min. (6.8 kg) Std. Vol.
approx. 30 lbs./min (13.6 kg) High-Vol.

Chopped Glass:
approx. 6 lbs./min. (2.7 kg) Standard
approx. 8 lbs./min. (2.7 kg) High-Vol.

Hoop Wind Glass:
approx. 9 lbs./min. (4.1 kg) Std.
approx. 18 lbs./min High-Vol.

Catalyst Ratio: 0.5% to 3%(0.5% to 1.25% optional)

ELECTRICAL REQUIREMENTS

110 volts, 6 amps, 1 phase, 60 cycle (50 cycle optional); with heater add: 220 volts, 10 amps

AIR REQUIREMENTS

Standard: 35 CFM 1m³/min.

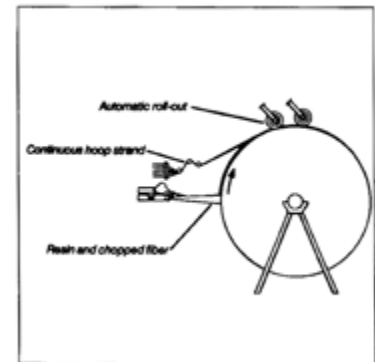
SYSTEM INCLUDES

Winder
Pumping System
Glass Creel for 60 balls of Glass Roving

OPTIONS

Material Monitoring
Resin and Chop Glass
Winding Glass
Winding Bath
Work Platform 20'
Work Platform 40'

- ◆ 180° carriage pivot.
- ◆ Easy access to controls.
- ◆ Varied material applications.
- ◆ First step toward full-automation.



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