

# Ultra-Winder

FILAMENT WINDER (AUTOMATIC CONTROL)



**Computer Control Winding Functions Including:**

**Helical -- Hoop -- Chop**

**Easy to Operate Controls**

**Built-In Material Monitoring for Significant Savings**



# Ultra-Winder

FILAMENT WINDER - PLC CONTROL



Versatility to meet your future demands: The Magnum Venus Plastech Programmable **Ultra-Winder** is the most versatile filament winder on the market today. Modularly constructed to grow with your changing production needs, both chop-hoop and helical winding of various pipes and tanks can be performed by this computer-controlled machine.

Designed for maximum ease of use and fast shop floor integration, multiple menus guide operators through the sequential application of materials. You can achieve real savings on every part, every time. Built-in automation reduces labor costs while material monitoring cuts costly waste.

We can customize to meet your production needs. The complete system can include options for applying surface veil; chopped liners; sprayed resin systems; hoop winding strands; helical winding strands; unidirectional tape; woven roving tape; pigmented resin or wax-resin surfaces; gelcoats; epoxy resins; vinyl ester resins . . . and more. No other winder offers as many capabilities.

Standard features and options include: chop, spray or wet bath, sand delivery, roll goods applicator, delivery, multiple spindles, collapsible and non collapsible mandrels, dual mandrel drive

## Specifications:

### OUTPUT CAPABILITIES

Resin: ..... Up to 30 lbs./min. (13.6 kg)  
Chopped Glass: ..... Up to 8 lbs./min. (4.9 kg)  
Hoop Wind Glass: ..... Up to 18 lbs./min. (8.2 kg)  
Catalyst Ratio: ..... 0.5% to 1.25%  
(0.4% - 2.2% with mid-range pump)

### SYSTEM INCLUDES

Automatic Computer Control	Roll Goods Applicator
Winding Glass Rack	Material Monitoring
Pumping System	Wet Bath

### OPTIONS

Work Platform	Hardware for Second Drive
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### PHYSICAL EQUIPMENT SPECS

**Mandrel Diameter:** ..... 2 in. to 15 ft. (5.1 cm - 4.3 m)  
**Mandrel Length:**..... 20 ft. (6.1 m); maximum standard  
40 ft. (12.2 m) (Optional)

### ELECTRICAL REQUIREMENTS

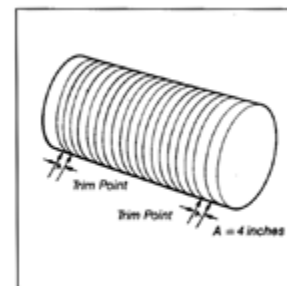
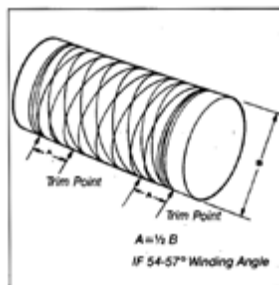
110 volts, 6 amps, 1 phase, 60 cycle (50 cycle optional);  
with header add: 220 volts, 10 amps

**AIR REQUIREMENTS** .....70 CFM

### AVERAGE SHIPPING INFORMATION

(Options to 40 ft.)

Shipping dimensions dependent upon final configuration.  
MVP Inside Sales will advise on order.



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