

Fusion Filament Winder

Compact design perfect for high volume four-axis production



The Fusion Filament Winder features four-axis motion ideal for winding pressure vessels and tubes for small to medium envelope part production.



► Four Axes of Motion

- Mandrel rotation
- Horizontal Carriage
- Cross Carriage
- Rotating Eye



► Configurable

- One, three, or five spindle configuration
- Configurable carriage travel length
- Wet winding or prepreg winding
- Adjustable tailstock

► Intuitive Controls

- Equipped with the latest control system technology
- Online diagnostics
- Fiber and resin monitoring
- Integrated resin meter mix dispense controls



Product Specifications and Options

Spindle Configuration: 1, 3, or 5 spindles
Maximum Diameter: 24 in (61 cm) for 1 or 3 spindles
12 in (30.5 cm) for 5 spindles
Maximum Length: 13ft (3.96 m) maximum
Spindle Maximum Weight: 500lbs
Spindle Maximum Speed: 120 rpm
Maximum Strands Per Spindle: 10, or 50 combined

Carriage Maximum Travel: 13ft 3 in (403.9cm)
Carriage Maximum Speed: 39 in/sec
Cross Carriage Maximum Travel: 12 in (30.5 cm)
Cross Carriage Maximum Speed: 15 in/sec
Rotating Eye: +/-90 degrees
Rotating Eye Maximum Speed: 60 rpm



Contact us today!

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