

► ECLIPSE FILAMENT WINDER

Precise, fully automated floor-mount filament winding system for production of small to medium diameter parts.

DESCRIPTION:

► SYSTEM FEATURES

The Eclipse Winder is an innovative configurable filament winding system. This system can be easily customized for up to four (4) axes of programmable motion, and multiple spindles. Standard options include material monitoring, resin pump and dispense equipment, fiber tensioners, creels, resin baths and more.

► SPECIFICATIONS

Programming Control & Software: MVP Multi Axis Control System

Length Between Head & Tail Chuck: Up to 50 ft. (15 M)

Maximum Part Diameter: Up to 60 in. (1.5 M); single spindle

Multiple Spindle Capabilities: Configurable

Number of Machine Axes: 2, 3 or 4 axis capabilities

Maximum Mandrel Rotational Speed: Up to 150 rpm

Maximum Carriage Traverse Speed: Up to 200 fpm (61 mph)

Carriage Travel Limits: Configurable. Standard up to 40 ft. (12 M)

Maximum Crossfeed Traverse Speed: Up to 180 fpm (55 mph)

Crossfeed Travel Limits: Configurable. Standard lengths up to 30 in. (762 mm)

Maximum Eye Rotation Speed: Up to 60 rpm

Eye Rotation Travel: Between ± 90 degrees

Maximum Spindle Capacity: Configurable

► OPTIONS

Programming Software: ComposicaD™, CADWIND or CADFIL®

Resin Dispense & Mix Equipment: Epoxy, Polyester, Vinylester, etc.

Fiber Delivery Systems: Wet winding, prepreg, etc.

Fiber Tensioning: Bookshelf, mechanical, electronic tensioning

Material Monitoring: Tracking of resin & fiber usage



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