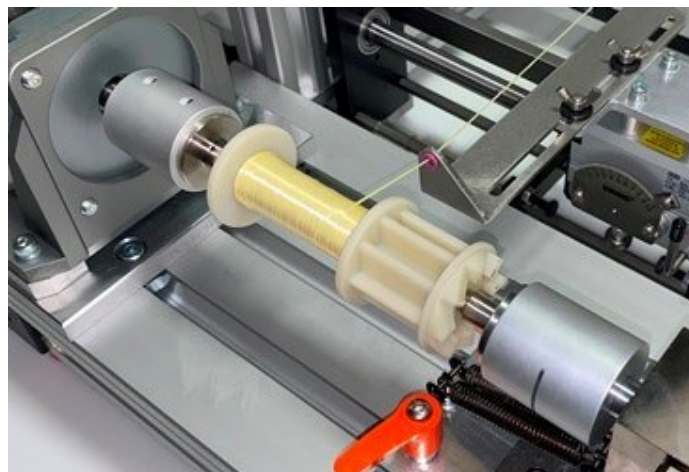


# FX-BBW-1500 Flex-Winder

## Features

- The Flex-Winder is a programmable winder, enabling various wind patterns for different fibers on to various size bobbins. This single unit can accommodate most winding requirements, making it ideal for a wide range of winding processes.
- Traverse width is easily adjustable for bobbins of differing widths.
- Traverse pitch is adjustable for different fiber types and fiber deniers.
- Equipped with yardage counter to auto-stop at desired length.



## Specifications

Speed and direction control	Constant rpm type with CW and CCW winding flexibility
RPM Range	0 rpm to 1500 rpm
Traverse width	40mm to 200mm (different traverse ranges available upon request)
Yardage counter	Automatically stops winding when set length is reached. Doff warning setting slows winder down before set length is reached, to prevent overrun and alert the operator.
Traverse pitch	0.5mm to 5.0mm (different pitch ranges available upon request)
Automatic stop	Winder stops automatically upon reaching set yardage
Let off creel	Adjustable core chucks to accommodate different size ID on cores. Mechanical tension control creel or electronic tension control creel options. Electronic tension control option enables taper tension control. Over end let off and unrolling let off options available.
Fiber break sensor	Equipped with fiber break sensor to stop winder upon fiber break.
Operator interface	Color HMI screen for easy adjustment of various parameters. (see next page for details) Remote start/stop options available. Recipe options are available if required for multiple stored settings.

## Main Operator Screen

The screenshot shows a control panel with the following elements:

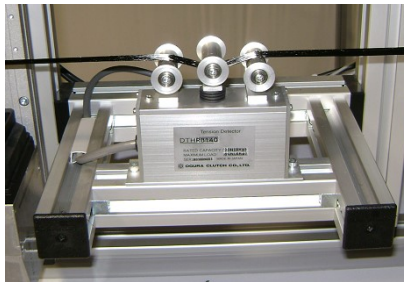
- Adjust spindle speed for winding:** SPINDLE RPM (1234.5)
- Length counter feature:** LENGTH WND (FT) (1234.5)
- Auto-stop feature at desired yardage:** STOP LEN (1234.5)
- Configurable options are available:** CONFIG button
- Length counter feature:** DOFF WARN (1234.5)
- Traverse pitch adjustment:** TRAVERSE mm/ S REV (1234.5)
- CW or CCW rotation adjustability:** SPINDLE DIA (mm) (1234.5)
- Control buttons:** START CCW, START CW, STOP, FAULT RESET, LENGTH RESET
- Status:** No Alarm
- Other buttons:** ABOUT

## Optional Features Available



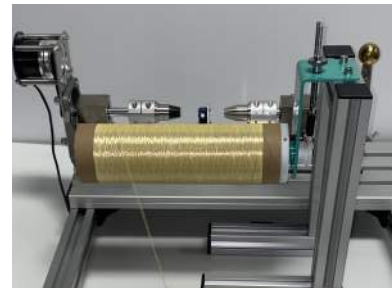
### Full Enclosure

Enclosure for safety or contamination containment



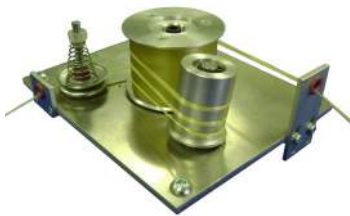
### Tension Control/Monitoring

Wide selectable range of tension control and monitoring for applications requiring precise tension control.



### Unrolling Creel

Unrolling creel for flat fibers or applications requiring no-twist.



### In-Line Tensioners

Tensioners for in-line tension control and programmable tension profile during wind.



### Coating Systems

Coating processes during winding to apply finishes to the fiber.