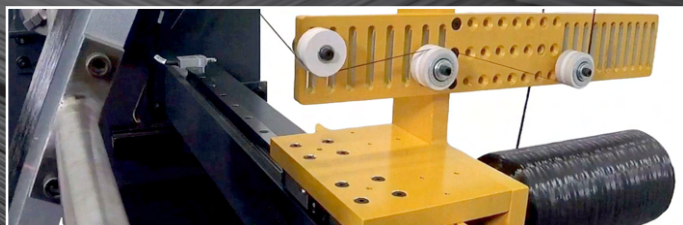




ENGINEERING TECHNOLOGY CORP.

 Toray Group



**GLOBAL
EXPERT IN
FILAMENT
WINDING &
COMPOSITE
SOLUTIONS**

SC FILAMENT WINDER

COMPACT WINDER FOR R&D, LAB, AND EDUCATIONAL USE

MORE THAN MACHINES

 Toray Group



DESIGNED & MADE IN THE USA

ZOLTEK 
Toray Group



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SC Filament Winder

Lab-Scale Winding



■ Ideal for R&D and educational use

From university and educational programs to composite R&D, testing, and small-part manufacturing

■ Portable Processing Platform

Optional integrated features, such as a single-tow tensioning creel and a resin bath, create a compact, self-contained winding solution that can be easily deployed in laboratories, classrooms, and engineering environments

■ Precision 2-axis motion with adjustable tailstock

Consistent, repeatable winding quality

■ Flexible processing capability

Compatible with wet winding and towpreg systems with optional winding software FiberGrafIX®, delivery systems, resin baths, tensioning creels, and other supporting equipment

SPECIFICATION

Fiber system	Wet winding or towpreg
Number of axes	2
Number of spindles	1
Max mandrel diameter	12 inches
Max mandrel length (incl. shafts)	44 (64; 84)* inches
Max mandrel weight (per spindle)	50 lbs
Max spindle speed	100 rpm
Horizontal carriage stroke	40 (60; 80)* inches
Max horizontal carriage speed	40 in/sec
Max total fiber tension	50 lbs
Basic machine size (L x W)	72 (96; 120)* x 30 inches

*Options shown in parentheses

The SC filament winder is part of the standardized filament winding portfolio — engineered to deliver reliable performance, optimized pricing, and reduced lead times. Its compact single-spindle configuration offers an ideal platform for R&D, process development, educational applications, and small-part composite manufacturing.

The machine is configurable and can be customized with a wide range of accessories, delivery systems, automation options, and software to meet specific production requirements.

Discuss your application with our sales & engineering team!

Contact Engineering Technology Corporation to explore equipment solutions and services tailored to your composite part manufacturing goals.

