



ENGINEERING TECHNOLOGY CORP.

Toray Group



GLOBAL
EXPERT IN
FILAMENT
WINDING &
COMPOSITE
SOLUTIONS

FAST-SPEED WINDING EQUIPMENT
FOR HIGH-RATE PRODUCTION

NEW!

MORE THAN MACHINES

Toray Group



DESIGNED & MADE IN THE USA

ZOLTEK
Toray Group



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FAST-SPEED WINDING EQUIPMENT FOR HIGH-RATE PRODUCTION

CXG Filament Winder and ST2 Servo Tensioning Creel for High-Production Rate of COPVs

- Developed specifically for high-speed winding
- Unsurpassed accuracy at high payout speeds
- Ideal for high-volume CNG and CHG applications

Winding speed for 600 mm × 300 mm diameter CHG tank with CXG Filament Winder and ST2 Servo Tensioning Creel



Fiber speed
at angles:
10° angle =
800 mm/sec
45° angle =
2000 mm/sec
90° angle =
5000 mm/sec

CXG Filament Winder

Designed specifically for high-speed CNG and CHG tank production for the automotive industry. Driven by dual motors, the lightweight carriage design is capable of applying towpreg or slit tape at speeds of up to 5 m/sec.

ST2 Servo Tensioning Creel

An innovative and compact tensioning creel developed to provide accurate tension at high payout speeds. The unique guide roller configuration minimizes fuzz and reduces stringer wrap-ups.