

# FR-N Feed Roller Unit

## Features

- Feed roller units provide constant and stable line speed for single or multiple tows of fiber.
- Can be supplied as angled roller units (multiple wraps) or parallel roller units (single wrap).
- High accuracy of speed control is possible with use of feed rollers.
- Wide speed range can be accommodated with use of servo motor option

## FR Types



### Single Tow FR

- For single tow
- Table top or stand alone



### Parallel Roller FR

- For single or multiple tows
- Same speed for all tows



### Angled Roller FR

- For single or multiple tows
- Variable speed for each tow

## Specifications and Available Options

Types	Model FR-N-TT: Table top for laboratory use Model FR-N-PR: Parallel roller for single process speed for single/multiple tows Model FR-N-AR: Angled roller for multiple process speeds for single/multiple tows
Drive System	Standard is VFD drive. Servo drive system available for applications requiring wide speed range or extremely slow speeds.
Speed Range	Designed per customer requirements
Roller Configuration	Angled rollers, 3 roller, 4 roller 5 roller system depending on pulling tension requirements
Framework	Table top system, stand-alone system, compact system
Interface	Local HMI on feed roller or remote HMI
Options	<ul style="list-style-type: none"> <li>• Stretch systems using 2 feed rollers with varying speeds</li> <li>• Compact feed rollers for attachment to customer framework</li> <li>• Comb units for separation of multiple fibers</li> <li>• Yardage counters</li> </ul>