

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

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| 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"> • Stretch systems using 2 feed rollers with varying speeds • Compact feed rollers for attachment to customer framework • Comb units for separation of multiple fibers • Yardage counters |