

VERTICAL YARN TWIST TESTER

Measure twist. Prepare your sample.

SPACE-SAVING LABORATORY DESIGN

Vertical design. A smaller bench footprint.

By arranging the long measuring path vertically, the instrument helps make more efficient use of valuable laboratory workspace.

FOUR OPERATING MODES

Automatic measurement

Automatic twist measurement for S- and Z-twisted yarns.

Manual measurement

Operator-controlled measurement in S and Z directions.

Open-end mode

Dedicated twist measurement mode for open-end yarns.

Sample preparation

Plying mode for preparing twisted yarn samples.



Measurement and sample preparation in one instrument.

Versatile operation for quality control, R&D and laboratory trials.

SPECIFICATIONS AND APPLICATIONS

Designed for twist measurement of single and two-ply yarns, the vertical system combines touchscreen control, adjustable gauge length and a yarn sample preparation function.

TECHNICAL SPECIFICATIONS

Configuration	Vertical measuring arrangement
Gauge length	10-500 mm, adjustable
Twist direction	S and Z
Measurement operation	Automatic or manual
Yarn coverage	Single and two-ply yarns; dedicated open-end mode
Sample preparation	Twisted yarn sample preparation / plying mode
Control system	PLC-controlled touchscreen operator panel
Pretension	On-instrument calculation; disc weights
Result evaluation	Averaging of measurement results
Data interface	RS232 computer data output, standard
Options	Printer and twist-analysis software

MEASUREMENT WORKFLOW

- 1 PREPARE**
Set the gauge length and pretension, then secure the specimen.
- 2 SELECT**
Choose the S/Z direction and measurement mode for the yarn type.
- 3 EVALUATE**
Run the measurement and review individual and averaged results.

APPLICATIONS

Yarn production and quality control laboratories • R&D and product development • Twisting and plying trials • Teaching laboratories

TEST-METHOD REFERENCES

ISO 2061	Direct-counting method
ASTM D1422/D1422M	Untwist-retwist method
ASTM D1423/D1423M	Direct-counting method

Method selection depends on yarn type and standard scope. The dedicated open-end mode is assessed separately and does not imply compliance with these standards.