



DirecTwist® 2B6"

FOR TWISTING STAPLE FIBER YARNS

Up to 18.000 Tw/min, 2.500 Tw/mt

Cotton/Wool/Acrylic ✓ ✓ ✓

Polyester/Elastane ✓ ✓

Nylon/Polypropylene ✓

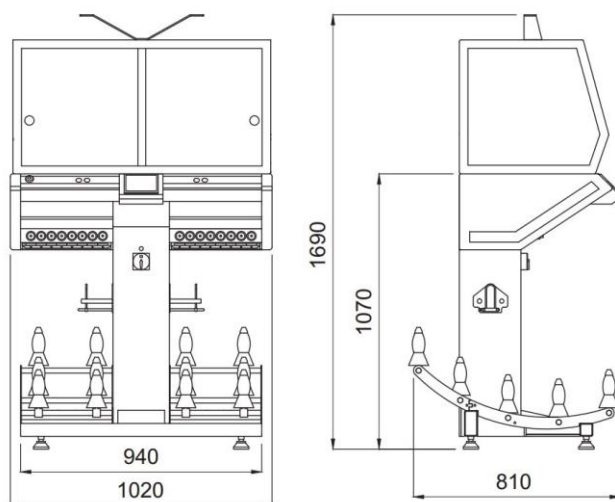
Aramid ✓

Glass/Carbon ✗

Fine Metal Wire ✗



Specifications



Twisting speed	750 to 18.000 twist /minute, independent each spindle
Twisting range	5 to 2.500 twist / meter, independent each spindle
Take-up speed	Up to 200 meters / minute, independent each spindle
Twisting speed and twist range adj.	Programmable with 1 twist/min and 1 twist/meter adjustment
Mains voltage	200-240V 1-Phase-3 Phase or 380V 3-Phase (with neutral)
Max power	1 kW/Spindle
Total twisted yarn thickness	100 Nm to 1.8 Nm (~90 Denier to ~5.000 Denier)
No. of friction points on the yarn	1 lateral + 8 axial
Take-up winding method	Cross winding with ceramic coated precision winding drum
Take-up cone size	170 mm length 4.20° conical cone or cylindrical cone
Maximum take up cone diameter	220 mm
Take-up cone softness adjustment	Adjustable with cone pressure and / or with yarn feeding system
Bobbin holders (creel)	Standard 8 bobbin holders per spindle
Yarn break sensors	8 sets standard optical sensors and optional capacitive sensor for elastane
Take-up cone size sensors	Reflective electronic type, size of bobbin is adjustable
Supply bobbin size	Any size
Max. yarn plies to be twisted	Unlimited
Threading method	By air jet
Individual operation of each unit	Yes
Electronic S and Z twist selection	Individual operation for each spindle
Multi - end twisting	Individual operation for each spindle
Single - end twisting	Individual operation for each spindle
Yarn covering	Individual operation for each spindle
Jog function	Individual operation for each spindle
Programmable elastane feeding device	Optional
Connectivity to Pre-Twisting unit	Ready wiring and functions for optional Servo-Feeder units
Connectivity to Servo-Feeder unit	Ready wiring and functions for optional Servo-Feeder units
Fancy yarn twisting	Individual operation for each spindle
Length control	Individual operation for each spindle feedback from winding drum
Waxing device	Motor driven, 13 mm square hole wax
Yarn feeding device	Synchronized positive yarn feeding system
Yarn brakes	8 precision yarn brake spring-disk tensioners for every feeding yarn
Control method	Latest generation microprocessor control
Program input interface	High resolution, color touchscreen operator panel
Program memory	50 user memory + default parameters
Programmable parameters	Twist / min, Twist / meter, S-Z twist types, Elastane on/off, Elastane feed%, fancy yarn on-off, fancy yarn parameters, optional Pre-Twisting direction and twist/min. parameters. Yarn break timer, language selection, acceleration & deceleration times, fine-tuning, copy functions, memory functions, reset to default etc.
Automatic stop	Yarn break, bobbin full, cover open, emergency, overload, etc. Lots of additional protective

Optional Attachments



Elastane Yarn Feeding Attachment

Optional programmable precise elastane feeding device allows 10% to 90% feeding rate in most twist range. Possibility of twisting elastane with any kind of fibers.



Servo Bobbin Feeder

Technical and twisted yarns feeding process should be applied with constant tension. Servo Bobbin Feeder allows up to 200 meter/min speed. The bobbin holder allows almost any kind of spools. Any number of unit may be connected to any spindle. The tension on the yarn is adjustable. Attached sensors can stop the machine in case of yarn breakage.



Creel Unit

Creel Unit allows to control many yarns during the operation with mechanical yarn break sensors. In case of yarn break it stops the machine. The tension on the yarn is adjustable with weight-disc tensioners.

Wide Range of Spindle Types for Any Kind of Yarn Material



DirecTwist® 2B6''



DirecTwist® 2C6''



DirecTwist® 2C10''



DirecTwist® 2D10''



DirecTwist® 2D6''

-The graphical images in this brochure are only for representation of the machines jobs. Actual products of machines may differ from the graphical images due to yarn materials and counts.

-The maximum and minimum values given in this brochure are machines limits on proper conditions. The actual values may be different due to yarn materials, counts and environmental conditions.

-All the contents of this brochure are subject to change without prior notice.

-International patents pending.

-**DirecTwist®** is registered trademark of **AGTEKS**.



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