

DirecTwist®

MULTI SERIES

FIRST
IN THE
WORLD



Cone to Cone Multi Function Twisting Machine

NEW ▲ MULTI SPINDLE WITH INDEPENDENT CONTROL

AGTEKS
Challenging Innovations

REDEFINITION OF TWISTING

DirecTwist®
MULTI SERIES



Totally independent control on each spindle.

All in one operation!..

Two-for-one Twisting
Ring Twisting
Direct Cabling
Fancy Twisting
Elastane Yarn Twisting
Hazel Cabling
Siro Twisting



Flexibility
Both Cabling and Covering processes are possible on the same machine.



Productivity

Utmost speed 75.000 twist/min and up to 2000 twist/meter twist range. All electronically adjusted.



Elastane Yarn Twisting

Optional programmable precise elastane feeding device allows 50% to 90% feeding rate in most of the twist/meter range.



Diversity

Possibility of winding on cylindrical and conic bobbins. As well as staple fibers great performance on continuous fibers.



Functionality

No doubling!..
Direct twisting from single ply up to 8 plies.

AGTEKS
Challenging Innovations



DirecTwist®
can do them all!..

IMAGINE!..CREATE!..PRODUCE!.. with *DirectTwist*®..



DirectTwist® 88M



DirectTwist® 48M



DirectTwist® 68M



DirectTwist® 108M



DirectTwist® 128M

The New DirectTwist® *Multi Series*

Cone to Cone Multi Function Twisting Machine



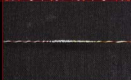
Easy loading and unloading of bobbin to/from the winder.
Ceramic coated winding drum allows twisting of any yarn composition.
In line motor driven waxing device.



Purely uniform twist in any combination even with elastane.
Capability of adjusting take-up cone softness.
Possibility of twisting yarns with different thickness.






















































One touch button selectable for S or Z twist structure.
Adjustable electronically. No need for a mechanical change.

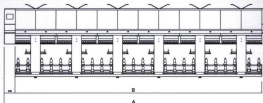


Fancy yarn (slub) production capability.

AND YOU CAN COMPARE... *DirectTwist*[®]

MULTI SERIES

		PRIMITIVE MACHINES (SIMPLE TWISTING)	TWO-FOR-ONE TWISTING M/C	HOLLOW SPINDLE TWISTING M/C	RING TWISTING M/C	DIRECT CABLING M/C	SIMPLE TWISTING M/C	DirectTwist [®]
SINGLE YARN COVERING		2 Operations (Limited Only Z)		2 Operations		2 Operations		1 Operation ✓
MULTI YARN COVERING		2 Operations (Limited Only Z)		2 Operations				1 Operation ✓
HANEL TWISTING						1 Operation		1 Operation ✓
DOUBLE YARN TWISTING			2 Operations		2 Operations		2 Operations	1 Operation ✓
MULTI-COLOR MUXIN TWISTING			4 Operations (Limited)		2 Operations			1 Operation ✓
MULTI YARN TWISTING					2 Operations			1 Operation ✓
MULTI YARN PARALLEL TWISTING					2 Operations			1 Operation ✓
CROSS YARN COVERING				3 Operations		2 Operations		2 Operations ✓
SIRO TWISTING						2 Operations		2 Operations ✓
LYCRA COVERING/TWISTING			2 Operations (Limited)	2 Operations		1 Operation		1 Operation ✓



MODEL		DirecTwist 4BM	DirecTwist 6BM	DirecTwist 8BM	DirecTwist 10BM	DirecTwist 12BM
No. Of Twisting Units		4	6	8	10	12
Dimensions	A	2170 mm	3110 mm	4050 mm	4990 mm	5930 mm
	B	1980mm	2820 mm	3760 mm	4700 mm	5640 mm
Power		380 V- 3P 50-60 Hz	380 V- 3P 50-60 Hz	380 V- 3P 50-60 Hz	380 V- 3P 50-60 Hz	380 V- 3P 50-60 Hz
		4 KVA	6 KVA	8 KVA	10 KVA	12 KVA

Air Supply	S - bar
Twisting Speed	Up to 18000 Twist/Minute, Electronically adjustable. Totally independent adjustment for Each Spindle
Twist Range	Up to 2000 Twist/Meter. (1-51 Twist/Inch) Programmable with 1 Twist/Meter Increment.
Take - Up Speed	Up to 250 Meters/Minute
Yarn Count Range	-100 Nm to -2 Nm total. (-90 denier to -4500 denier total)
Max. Yarn Plies To Be Twisted	8 plies directly.
Individual Operation Of Each Unit	Totally independent operation for each spindle.
S And Z Twist Selection	Independent selection for each spindle.
Multi - End Twisting	Independent adjustment for each spindle.
Yarn Covering	Independent adjustment for each spindle.
Fancy Yarn Twisting	Independent adjustment for each spindle.
Jog Function	Independent adjustment for each spindle.
Winding Device	Motor Driven, 13 mm square hole size.
Yarn Feeding Device	Synchronized positive yarn feeding systems.
Threading Method	By air jet.
Bobbins Holders	8 sets for each unit.
Take - Up Cone Softness Adjustment	Adjustable with cone pressure and / or with yarn feeding system.
Yarn Break Sensors	Optical electronic, 8 guides on each unit, with adjustable timers.
Yarn Brakes	Precision yarn brakes for every yarn feeding.
	Possible to adjust individual feeding yarn tensions.
Take - Up Cone Size Sensors	Reflective electronic, size of bobbin is adjustable. (max.20 cm diameter)
Take - Up Cone Size	170 mm, 4.20", Standard cone or optional 170 mm cylindrical standard cone.
Supply Bobbin Size	Any size, max 250 mm diameter.
Programmable Elastane Twisting Device	Optional for each spindle.
	Possible to feed 10% to 90% elastane on wide range of twist/meter amount.
Twist Stop Mechanisms	Optional for each spindle. Required for fancy yarn twisting.
Control Method	Microprocessor control.
Program Input	Ergonomic, easy to use touch-screen display, operation panel.
Program Memory	10 user memory + default parameters.
Automatic Stop	Yarn break, bobbin full, cover open, emergency, overload, etc. Lots of additional protective functions.
Programmable Parameters	Twist/mtr, twist/meter, elastic yarn on/off, elastic yarn feeding %, S-Z twist types, fancy yarn on/off, fancy yarn parameters, yarn break timer, language selection, copy functions, memory functions, etc.

* INTERNATIONAL PATENTS PENDING

✓ ALL CONTENTS OF THIS BROCHURE ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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