

SmarTwist

Gilbos

SmarTwist

A REVOLUTIONARY TWISTINGSYSTEM
FOR CARPET BCF YARNS

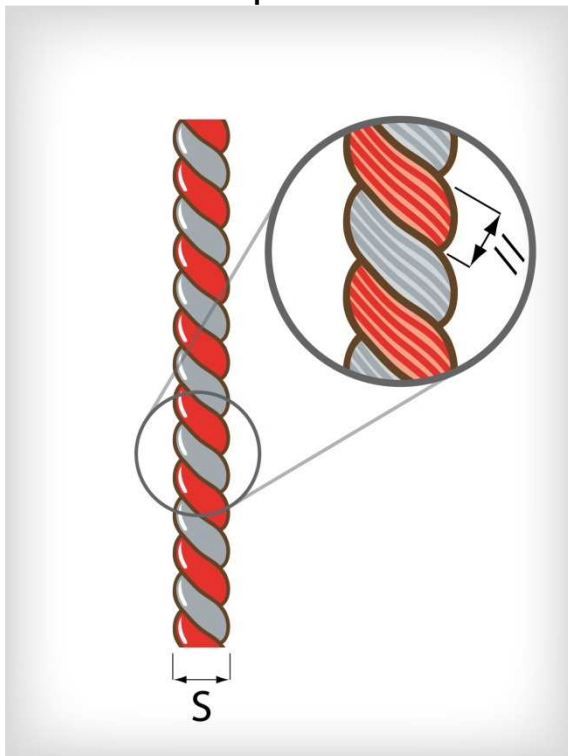


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SmarTwist: A system in line twisting and heatsetting

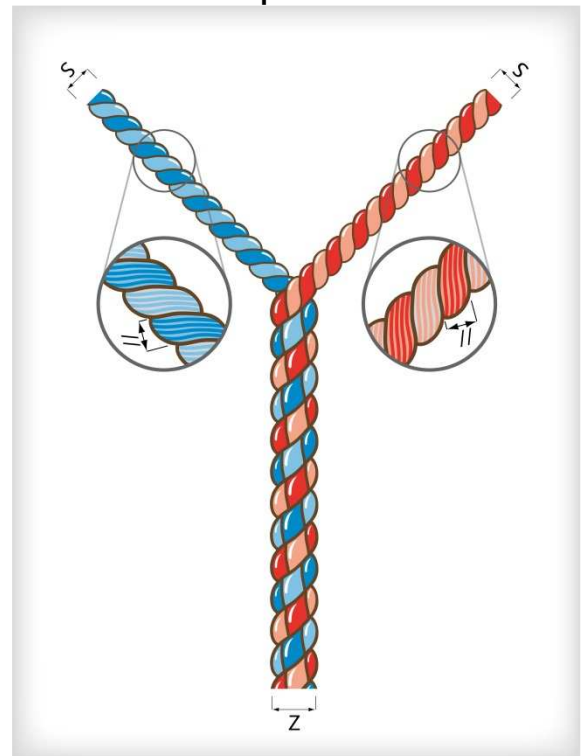
Conventional Twisting and Heatsetting

2 operations
NO singles twist
Maximum Bulk
Good Tip Definition



SmarTwisting

1 operation
NO singles twist
Maximum Bulk
Good Tip Definition



- Multi-purpose twisting system for carpet BCF yarns; producing on each module **2 ends of 2ply** or **2 ends of 3 ply** yarn in 1 single step.
- Alternate twist direction S/Z with tack point between the twisted zones.
- High speed twisting with maximum bulk and no singles twist.
- Twisting directly from extrusion packages, thereby avoiding intermediate storage and handling.
- Endless styling possibilities

- Reduction of manpower and waste as 2 process steps are combined into 1.
- Each module produces 2 ends of 2ply or 2 ends of 3 ply yarn, so the required number of take-up positions after heatsetting is halved, reducing the footprint of the winder.
- Very compact and space saving design, without compromising the accessibility for the operators or technicians.
- Adjustable twisting speed in the same range as yarn processing for heatsetting, with twistlevels in each 2 or 3 ply yarn between 50 and 250 tpm. The effective speed is in function of the yarn specifications (count, material, number of ends and tpm).
- The machine is equipped with a touch screen as operator interface.
- Accumulator on each SmarTwist allows easy treading up on continuous heatsetting systems.
- Can be retrofitted to existing heatset installations.
- Low maintenance cost by the modular design and easy access of the active components.



Technical data:

- Yarn count: wide range of filament yarns.
- Twisting speed between 250 and 500 m/min
- Twistlevel between 50 and 250 tpm.
- Electrical supply: 3 x 400 V + neutral + PE – 50 or 60 Hz.
- Installed electrical power per SmarTwist module : 2,5 kVA.
- For good and long lasting function of the air cylinders, valves and connections, supply of clean and dry air is necessary.
- Connection compressed air : 1" for each SmarTwist module.
- Air consumption per module, depending upon count, material, number of ends and tpm :

		Air Consumption (Nm ³ /cfm)	Air supply (bar/psi)
For 2 x 2 ply yarns	Step 1	33 / 1155	6 / 87
	Step 2	40 / 1400	11-12 / 160-174
For 2 x 3 ply yarns	Step 1	50 / 1750	6 / 87
	Step 2	40 / 1400	11-12 / 160-174

All technical details, descriptions, illustrations, dimensions and other particulars in this leaflet are given in good faith, and can be subject to change without notice.

