

PREMIUM TECHNOLOGY FOR EVERY TEXTILE MILL

# The **new** Generation!



## Knotex Quattro

- Improved housing
- New control unit
- Optimised yarn break control
- Data protection even if the power fails
- Illuminated LC display for all monitoring functions
- Basic S: the new sprinter class
- **Doubles control for warps without a Lease (AS/2 Quattro)**



The new generation at Knotex!  
Presented for the first time  
at the ITMA 2007 in Munich  
13.-20. September, Hall B4, Stand 241

Precision that connects.





**Knotex: Premium technology for every textile mill**

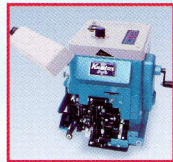
## The New Generation by Knotex!

The Knotex QUATTRO with the worldwide unique detachable 4-in-1 unit for all 4 tying methods is now available with a **new control unit** that brings numerous **improvements**. The two-line, **illuminated LC display** in a slightly modified housing displays all monitoring functions in plain language, e.g. picking errors, doubles, yarn breaks. Flaws in the warp can thus be recognized precisely and quickly corrected. The input status and counter contents now remain stored in memory even in the event of power loss. The **integrated test program** for all sensors makes troubleshooting child's play. This new control unit is now standard for most of the other Knotex models as well. Our bestseller, the AS/2 Quattro, is now available with a **high-efficiency double end detector** for warps without a lease as well.



### NEW: BASIC S - the new sprinter class!

Especially for weaving machines which process exclusively **monocolored** warps of cotton, wool, linen or blends. The machine is already pre-set to optimally suit these warp qualities. This means that the full performance of up to 600 knots/min is available right from the word go. The typical Knotex reliability and the **extremely short tying times** are excellent arguments in favor of the new Knotex BASIC S. Very reasonable in price and low in maintenance.

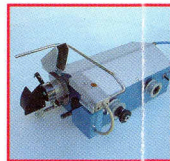


### NEW: Autoframe® up to 320 cm!!

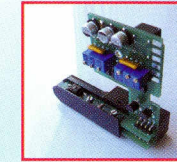
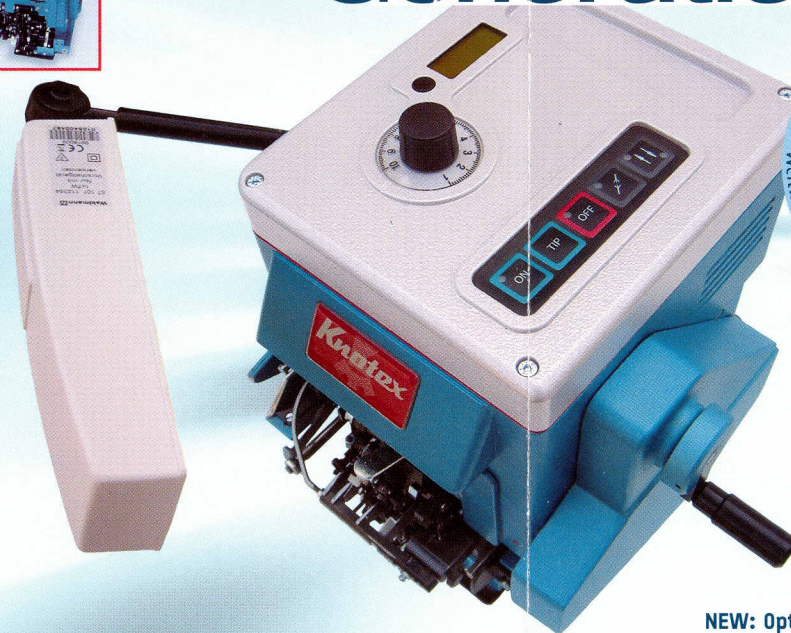
It is now only necessary to enter the material being tied. Everything else is taken care of by the Knotex Autoframe®. Time-consuming manual pretensioning and tension adjustments are no longer necessary. **High-precision sensors** ensure **optimum thread tension**. A reliable microprocessor controller controls the **servo motors needed to increase and reduce the warp tension**. The fully automatic concept means that the operating personnel can turn their attention to other tasks. And the Knotex Autoframe® is now available in sizes up to 320 cm!

### NEW: Reeding machine with compressed air feature!

As a result of the sophisticated interplay between the mechanical elements and **compressed air**, it is now possible with the **new RS 1H PLUS** generation to draw materials into the reed which previously caused a problem, e.g. **napped material, textured and intermingled qualities**. The result is perfect drawing-in into standard, profile and double reeds.

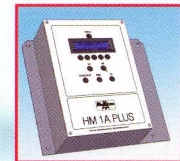
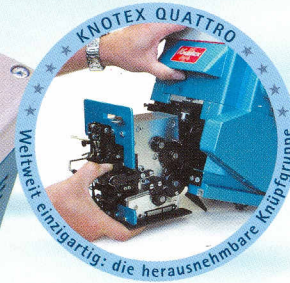


# The new Generation!



### NEW: Doubles detector for warps without a lease!

The **first tying machine** with a four-in-one unit for all tying methods is now equipped with a **doubles indicator** for tying warps both **with and without a lease**. Whereas the doubles control when tying warps from a lease has been standard equipment at Knotex for many years, this new development is for warps without a lease. The prerequisites for detection are **high-precision pressure sensors**. They measure the thread tension during tying up to 10 times a second. If a double is detected, the machine stops automatically, thus facilitating immediate corrective action. Another highlight is the **electronic lease detection system**, which selects the optimum doubles control program for the application in hand and starts it automatically.



### NEW: Innovative control unit for the Knotex PLUS semi-automatic drawing-in system!

The Knotex PLUS, for years the best system for the semi-automatic drawing-in of warps into heads, droppers and the reed, makes it possible for the entire drawing-in operation to be performed by only one single operator. The latest model offers a **completely revised and menu-guided control unit** for increased reliability and performance. Standard features of the Knotex PLUS include: simple change-over for warps with and without a lease, electronic repeats control, acoustic checkpoint monitoring, clamping frame with electric lift, dropper feeder, yarn counter (counting direction settable), thread box with adjustable illumination, test program for drive unit and proximity switch.



### NEW: Optimised yarn break detector!

The unique yarn break detector from Knotex **detects broken threads, monitors the entire knot formation process and stops the machine reliably in the case of a faulty knot formation**. The new yarn break detector is extremely **rugged** and easy to operate. Status and error messages are shown on the **LC display**. The yarn break detector is available for all machine types (except for the TapeMaster and machines with feed direction from left to right).