

BTSR KTF/100RW
太糸用テンションコントロール装置

KTF 100RW

Constant Tension Feeder

Dispositivo per la precisa
misurazione/alimentazione e
controllo tensione filato per
macchine preparazione filato:
roccatrici, binatrici, cospatrici ecc.

Constant Tension Feeder

Device for precise
measurement/feeding and yarn
tension control for yarn preparing
machines: winding, doubling,
copwinding machines, etc.



ヤマトマシン製造株式会社



UNI EN ISO 9001-2000 14001-96

KTF100RW

《特徴》

本装置はチーズ等のボビンから糸を引き出す際に起こるテンションムラを圧力センサーでキャッチしリアルタイムでローラーの回転を制御、安定した糸の供給ができる高性能コントロール装置です

本システムは特に太い糸用（200デニール以上の弾性糸）に開発し効果を発揮します、常にユーザー指定のテンション値を完璧に保持しますのでより一層の品質向上が期待できます

この機能は編機や織機、不織布等に適し高速、低速、温度、湿度の変化による糸の引き出し時および外層、内層、最内層からおこるバラツキを最小限に抑えることができます

本システムはプログラム入力することによりテンションを自在に制御できます

《テクニカルデータ》

テンション：0.5g～100gまでプログラム可能
給糸速度：最高2500m/分

テンション増減機能：INC/DEC

ターゲット機能：目標生産量を設定でき、設定値に達した時点で機械が自動停止します

アラーム機能：異常テンションを検知しストップ信号をだします

INNOVATION & REVOLUTION

The KTF/RW (Constant Tension Feeder - ReWinder) systems are in fact high precision measurement and control instruments, one of a kind, providing a real time display of the exact yarn tension and guaranteeing, through an accurate adjustment, a constant yarn tension in every working condition. This occurs independently of the speed at which the textile machine is running (either high or low speed) and the tension is kept constant even when the yarn package tension is subject to change due to environment conditions such as humidity, temperature, etc., or when the yarn packages are gradually emptying during the normal working process.

The KTF/RW system can work with a wide range of yarns, including very thin yarns such as bare and covered elastomers (11 dtex), and technical yarns very thick, always guaranteeing a perfect control of yarn tension values chosen by the user, which results in a high quality of the manufactured product.

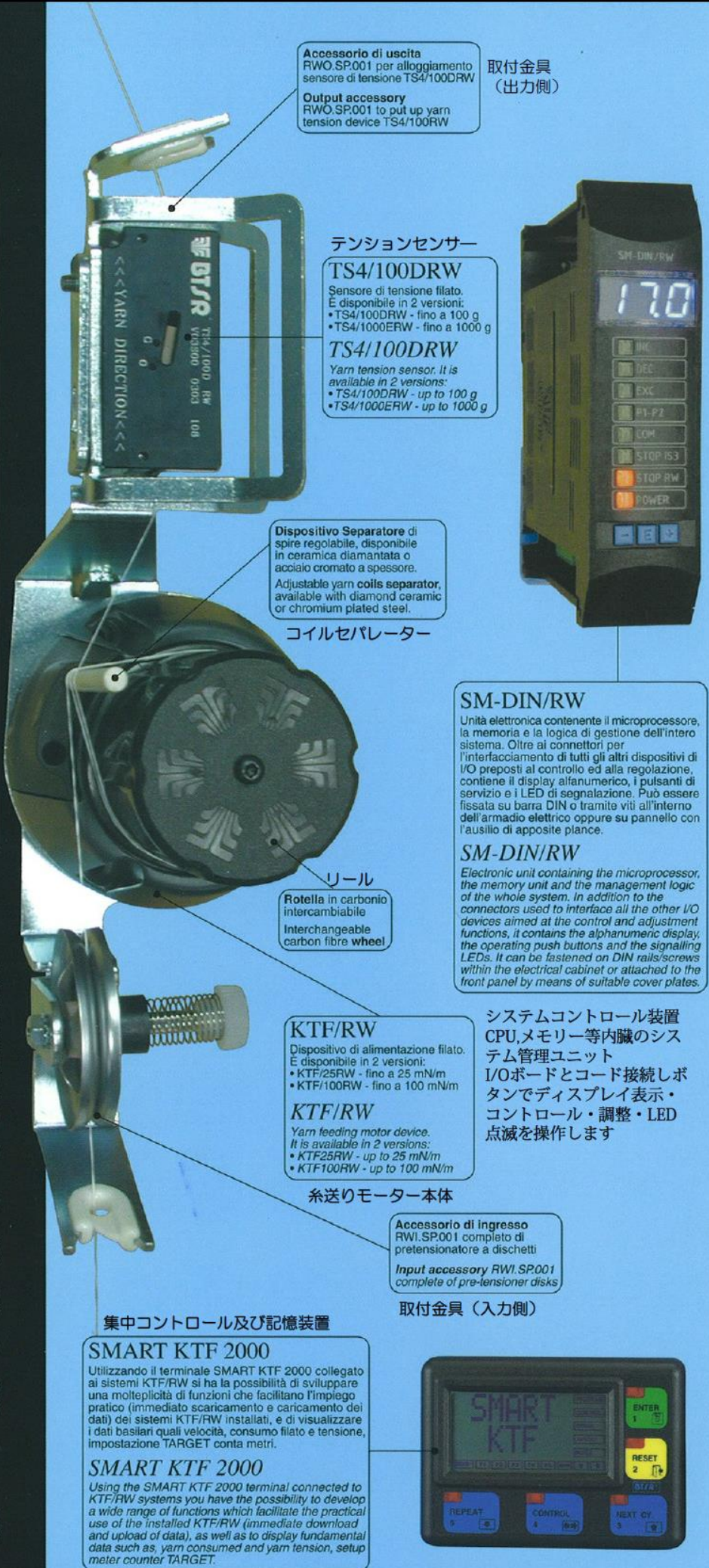
The KTF/RW systems are fully programmable and can easily be adapted to any kind of tension adjustment. Allow to effect automatic tension graduation with 0,1 g. resolution, with as a precise meter counter function. Combined with IS3 image scanning sensor, thus allowing the user to obtain a complete quality control for what concerns both the yarn tension and the correct yarn running condition.

Technical characteristics

- Programmable tension 0.5 gr. ÷ 1000 gr.
- Feeding speed till 2.500 mt/min
- Yarn tension increment - decrement automatic function
- TARGET function: possibility to set a production target in meters with the relative automatic machine stop
- Error tension alarms

BTSR BEST TECHNOLOGIES STUDY & RESEARCH

All BTSR products are PATENTED and utilize exclusive and original advantages by their use of high technology.



Accessorio di uscita
RWO.SP.001 per alloggiamento sensore di tensione TS4/100DRW
Output accessory
RWO.SP.001 to put up yarn tension device TS4/100RW

取付金具 (出力側)

テンションセンサー
TS4/100DRW
Sensore di tensione filato. È disponibile in 2 versioni:
• TS4/100DRW - fino a 100 g
• TS4/100ERW - fino a 1000 g
TS4/100DRW
Yarn tension sensor. It is available in 2 versions:
• TS4/100DRW - up to 100 g
• TS4/100ERW - up to 1000 g

Dispositivo Separatore di spire regolabile, disponibile in ceramica diamantata o acciaio cromato a spessore.
Adjustable yarn coils separator, available with diamond ceramic or chromium plated steel.

コイルセパレーター

SM-DIN/RW
Unità elettronica contenente il microprocessore, la memoria e la logica di gestione dell'intero sistema. Oltre ai connettori per l'interfacciamento di tutti gli altri dispositivi di I/O preposti al controllo ed alla regolazione, contiene il display alfanumerico, i pulsanti di servizio e i LED di segnalazione. Può essere fissata su barra DIN o tramite viti all'interno dell'armadio elettrico oppure su pannello con l'ausilio di apposite piastre.
SM-DIN/RW
Electronic unit containing the microprocessor, the memory unit and the management logic of the whole system. In addition to the connectors used to interface all the other I/O devices aimed at the control and adjustment functions, it contains the alphanumeric display, the operating push buttons and the signalling LEDs. It can be fastened on DIN rails/screws within the electrical cabinet or attached to the front panel by means of suitable cover plates.

リール
Rotella in carbonio intercambiabile
Interchangeable carbon fibre wheel

KTF/RW
Dispositivo di alimentazione filato. È disponibile in 2 versioni:
• KTF/25RW - fino a 25 mN/m
• KTF/100RW - fino a 100 mN/m
KTF/RW
Yarn feeding motor device. It is available in 2 versions:
• KTF25RW - up to 25 mN/m
• KTF100RW - up to 100 mN/m

システムコントロール装置 CPU、メモリー等内臓のシステム管理ユニット I/Oボードとコード接続シボタンでディスプレイ表示・コントロール・調整・LED点滅を操作します

系送りモーター本体
Accessorio di ingresso RWI.SP.001 completo di pretensionatore a dischetti
Input accessory RWI.SP.001 complete of pre-tensioner disks

取付金具 (入力側)

集中コントロール及び記憶装置
SMART KTF 2000
Utilizzando il terminale SMART KTF 2000 collegato ai sistemi KTF/RW si ha la possibilità di sviluppare una molteplicità di funzioni che facilitano l'impiego pratico (immediato scaricamento e caricamento dei dati) dei sistemi KTF/RW installati, e di visualizzare i dati bastanti quali velocità, consumo filato e tensione, impostazione TARGET conta metri.
SMART KTF 2000
Using the SMART KTF 2000 terminal connected to KTF/RW systems you have the possibility to develop a wide range of functions which facilitate the practical use of the installed KTF/RW (immediate download and upload of data), as well as to display fundamental data such as, yarn consumed and yarn tension, setup meter counter TARGET.

