This new development is derived from the TK2-20 CT and uses the same platform, thus it is possible with a conversion kit to switch from a „Kingspool“ to a „cone“ make-up. The TK2-20 KT offers the same advantages regarding performance, flexibility and operation comfort as the TK2-20 CT. It features by far the highest production performance worldwide.

This new winder is equipped with an electronically synchronized slit-drum displacement with the following benefits:

- no mechanical re-adjustments needed anymore
- tube asymmetries can be compensated
- opens window for new bobbin shapes (other than 45° taper angle possible)

As a standard in the basic configuration, absolutely new product features, such as an electronically controlled tuck-in device and the new slit-drum with “quick-lock”, increase the overall efficiency and consequently keep the winding costs to a minimum.

**Basic machine**

- Single end creel
- Loop catcher
- Electronically controlled thread tensioner
- Slit drum with “quick-lock” for easy maintenance and removal of yarn wraps
- Electronic synchronisation of the take up speed and slit drum
- Infinitely variable setting of the crossing in a range from 2 to 4 crosses; fine resolution enabling the adjustment of the thread distance
- Machine terminal with 8.4” touch screen display type MT-7, for central input and setting of all winding parameters. With memory and download function, as well as shift monitoring (production surveillance)
- Yarn sensor
- Accurate length measuring system
- Autodoffer (AD) for fast and safe automatic bobbin exchange
- Automatic yarn end tuck-in; after winding the yarn end is drawn underneath the last package layer

**Options**

- Kiss roller system
  - for hot (P11) and cold (PU11) lubrication
- lubetex™ (PUL)
  - precision lube applicators with dosing gear pump for highest accuracy and cleanest operation, for hot and cold lubrication
- Automatic yarn end fixation with “Snap” system (K/RE)
  - After winding the yarn is drawn into the snap ring of the kingspool. The snapspool is closed automatically and the yarn is cut.
**Technical data TK2-20 KT**

Type of winding: precision crosswind

Mechanical speed: up to 13 000 min⁻¹ (up to 2000 m/min) (process speed dep. on process parameters)

Package shape: kingspools

Traverse length: 1.5"–4" (110 mm)

Take-up tubes: cylindrical or conical kingspools, conicity up to 2°; tip diameter ≥ 18 mm

Take-up package diameter: up to 105 mm

(85–105 mm: depending on tube dimensions, certain restrictions may apply)

Supply package diameter: up to 320 mm

Yarns: filament twisted/flat, textured filament, natural silk, viscose/rayon, technical thread, special thread

Count: up to 3300 dtex

Layout: single sided

N° of spindles per section: 5

min./max. N° of spindles per machine: 5/40

max. N° of spindles per oiling system: 20

Gauge: 440 mm

Drive: individual two drive system per spindle

Installed power: 1.4 kW (5 spindles)

Compressed air: 6 bar

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SSM TK2-20 KT
Automatic high-performance Kingspool winder

Sewing Thread Finish-Winding / Industrial make-up

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