



**METAG**  
TEXTILE & ENGINEERING



**TRX600-E**



HEAVY  
DUTY  
TEXTILE  
MACHINERY

# TRX600-E

The Metag Model TRX 600-E incorporates the robust construction and reliability of the TRX-TRXA series with 620 mm working width and is designed to accommodate conventional yarns as well as aramide, ceramic, glass and other technical fibers.

## HOW BOBBIN SELVEDGE DOES IT WORKS?

The TRX series bobbin-stitch selvedge are particularly suited for heavy, multi-ply webbings and belt constructions. The TRX 600-E features a bobbin which stitches the catch-thread, securing the selvedge with a strong sewn binding. The large capacity bobbin enables long runs between doffing.

The system releases the catch-thread through several tension control units to ensure perfect edge binding. A photoelectric cell monitors the amount of yarn left on the spool and stops the loom before it runs out.

The specifications of the TRX 600-E are rooted in the tough TRX series roots: an oversized take down motion, heavy duty reed holder, robust drive motion and simple component level construction combine to provide a robust loom ready to perform and easy to maintain.

The list of applications for the TRX 600-E is as long as the TRX is wide: ceramic and conventional conveyor belts, tubular filters, brake & clutch pads, multi-ply industrial fabrics simply to name a few, all woven up to 620 mm wide.

Model TRX 600-E is equipped with the newest generation of STAUBLI® rotary electronic dobby S-3000. Featuring adjustable harness stroke, micrometric setting of the shed opening, 16 harness frames and easy programming via a portable programmer, the TRX 600-E enables fast product changes, endless pick repeats and total flexibility.

## FEATURES

- Bobbin selvedge binding
- Heavy-duty reed holder to accommodate 620 mm (24") reed width
- Powerful beat-up motion with dual action arms
- Patented cam driven rigid rapier weft insertion
- Carbon fiber weft insertor with rectilinear motion
- Harness frames: 16x
- Extended shedding levers for maximum shed opening
- Robust harness frames with dual push rod motion
- Double steel knurled take down with manual advance/reverse motion
- Weft feed by weft accumulator: self adjusting and electronically controlled
- Heavy duty motors controlled by electronic inverter for speed adjustments settings
- Crawl motor (jog) facility
- Safe weaving geometry
- High quality safety component, CE approved
- Easy access for routine maintenance
- Limited preventative maintenance requirement
- High precision engineered components made in Italy

## OPTIONS AVAILABLE (upon request)

- Warp tensioner frame
- Fabric winder (block or spool)
- Automatic bobbin spool winder
- Weft feed accumulator for rough and special yarns
- Special projects in accordance to the Customer request

TECHNICAL DATA	TRX 600-E
Selvedge binding	Bobbin
Spaces	1
Reed width (mm)	620
Harness frames	16
Cam box type	STAUBLI® Electronic dobby
Pick repeats	endless
Weft Feeding	1 x Electronic weft accumulator
Pick-density	2 to 40 picks/cm
Max weaving speed <sup>1</sup>	130 r.p.m.
Dimension (cm) <sup>2</sup>	225 x 290 x 145
Net weight (kg)	1800

1) the max weaving speed is subject to yarn/fiber performance  
2) dimensions include with weft accumulator installed



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