

METAG
TEXTILE TECHNOLOGY

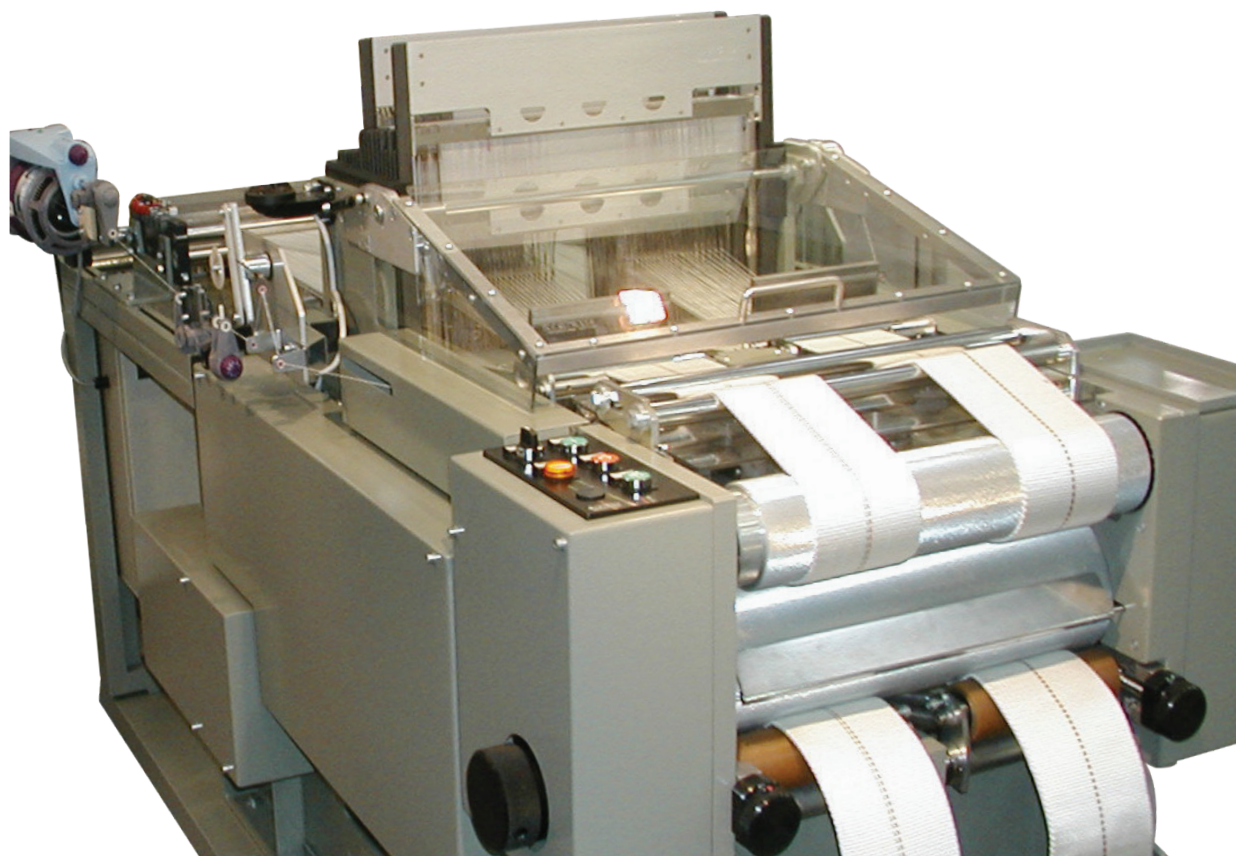
*Bright Minds
Work Alike*

TELAJ AUTOMATICI PER TESSITURA
DI NASTRI PESANTI E SPECIALI

HEAVY DUTY AND SPECIAL
SHUTTLELESS AUTOMATIC LOOMS

TRX 160

TRX 160-E



TRX SERIES

TRX 160 – TRX 160-E

The Metag Model TRX 160 incorporates the robust construction and reliability of the TRX-TRXA series with a 160 mm working width and is designed to accommodate conventional yarns as well as aramide, ceramic, glass and other technical fibers. The TRX 160 features two weaving spaces and with optional electronic dobby provides for the manufacture of the heaviest solid-woven fabrics.

BOBBIN SELVEDGE BINDING : HOW DOES IT WORK?

The TRX series bobbin-stitch selvedge are particularly suited for heavy, multi-ply webbings and belt constructions. The TRX 160 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 160 are robust: 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.

Standard machine TRX 160 is provided with a mechanical cam box with 14 positive cams and independently adjustable jack levers for variable harness stroke length.

The Metag TRX 160 features an option for the newest generation of STAUBLI® electronic dobby. Featuring adjustable harness stroke, 16 harness frames and easy programming via a portable programmer the TRX 160-E enables fast product changes, infinite pick repeats and total flexibility.

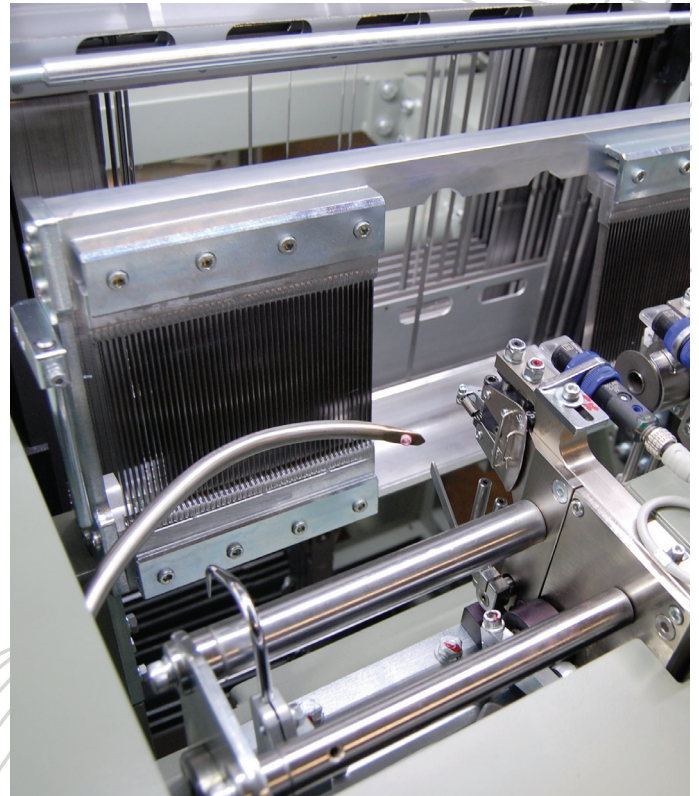
Both versions of the TRX 160 come standard with features designed to perform the most difficult production challenges.

Principal and Standard features:

- Double space weaving unit
- Bobbin edge-bindings system
- Heavy-duty reed holder
- Double steel knurled take down with manual advance motion
- Clear open shed, even with high density spun staple yarns
- 2x Weft feed accumulators, self adjusting and electronically controlled
- 2x Weft springs unit for fine weft tension adjustment
- Wide warp deflector leasing bars with great lease combination and possibilities
- Heavy duty motors controlled by electronic inverter for speed adjustments settings
- Crawl motor (jog) facility
- Robust and simple construction, enhanced solidity and compactness
- Low vibrations and low noise level
- Minimum servicing and maintenance
- 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 160	TRX 160-E
Selvedge binding	Bobbin	Bobbin
Spaces	2	2
Reed width (mm)	160	160
Harness frames	14	16
Cam box type	Cam, positive	STAUBLI® electronic dobby
Pick repeats	1:6 – 1:8	endless
Weft feeding	2x Electronic accumulator	2x Electronic accumulator
Pick-density	2 to 40 picks/cm	2 to 40 picks/cm
Max weaving speed ¹	250	300
Dimensions (cm) ²	225 x 130 x 145	225 x 160 x 145
Net weight (Kg)	1200	1500

1) the max weaving speed is subject to yarn/fiber performance

2) dimensions include with weft accumulator installed

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