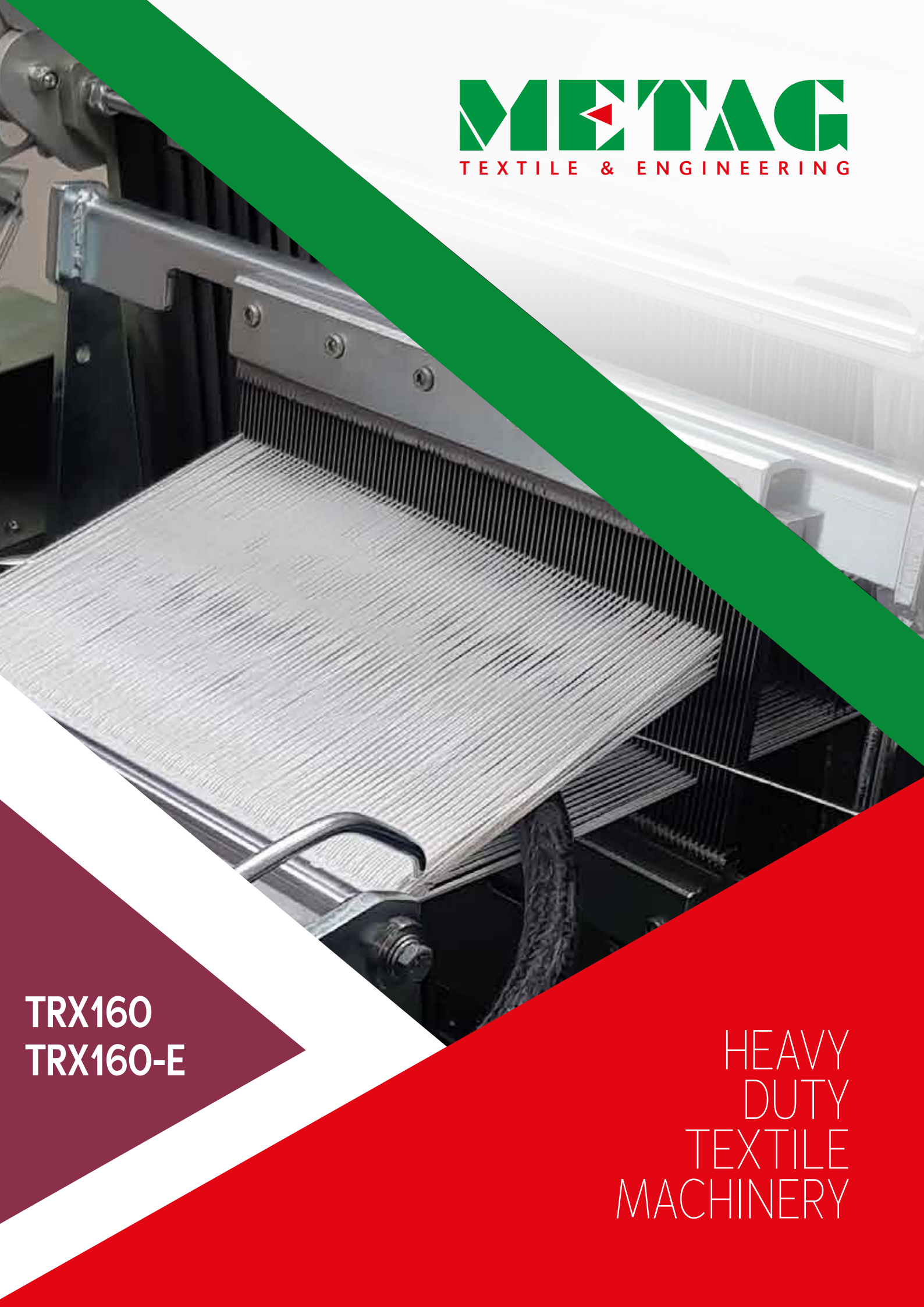


METAG
TEXTILE & ENGINEERING



TRX160
TRX160-E

HEAVY
DUTY
TEXTILE
MACHINERY

TRX160 - TRX160-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 aramid, 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 combines 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 steel made reed carrier
- Double steel knurled take down with manual advance motion
- Clear open shed, even with high density spun staple yarns
- Double Weft feed accumulators, self-adjusting and electronically controlled
- Double Weft springs unit for fine weft tension adjustment
- Wide warp deflector leasing bars
- Heavy duty motor 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

- 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
- Electronic take of motion
- Sacquard applications
- Beams stand, motorize

TECHNICAL DATA	TRX 160	TRX 160-E
Selvedge binding	Bobbin	Bobbin
Spaces	2	2
Reed width (mm)	160	160
Harness frames	14	20
Cam box type	Cam, positive	STAUBLI® electronic dobby
Pick repeats	1:6 - 1:8	endless
Weft Feeding	2 x Electronic accumulator	2 x Electronic accumulator
Pick-density ³	2 to 40 picks/cm	2 to 40 picks/cm
Max weaving speed ¹	250	250
Dimension (cm) ²	225 x 130 x 145	225 x 160 x 145
Net weight (kg)	1300	1400

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

2) dimensions include with weft accumulator installed

3) Values referred to the mechanical motion



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