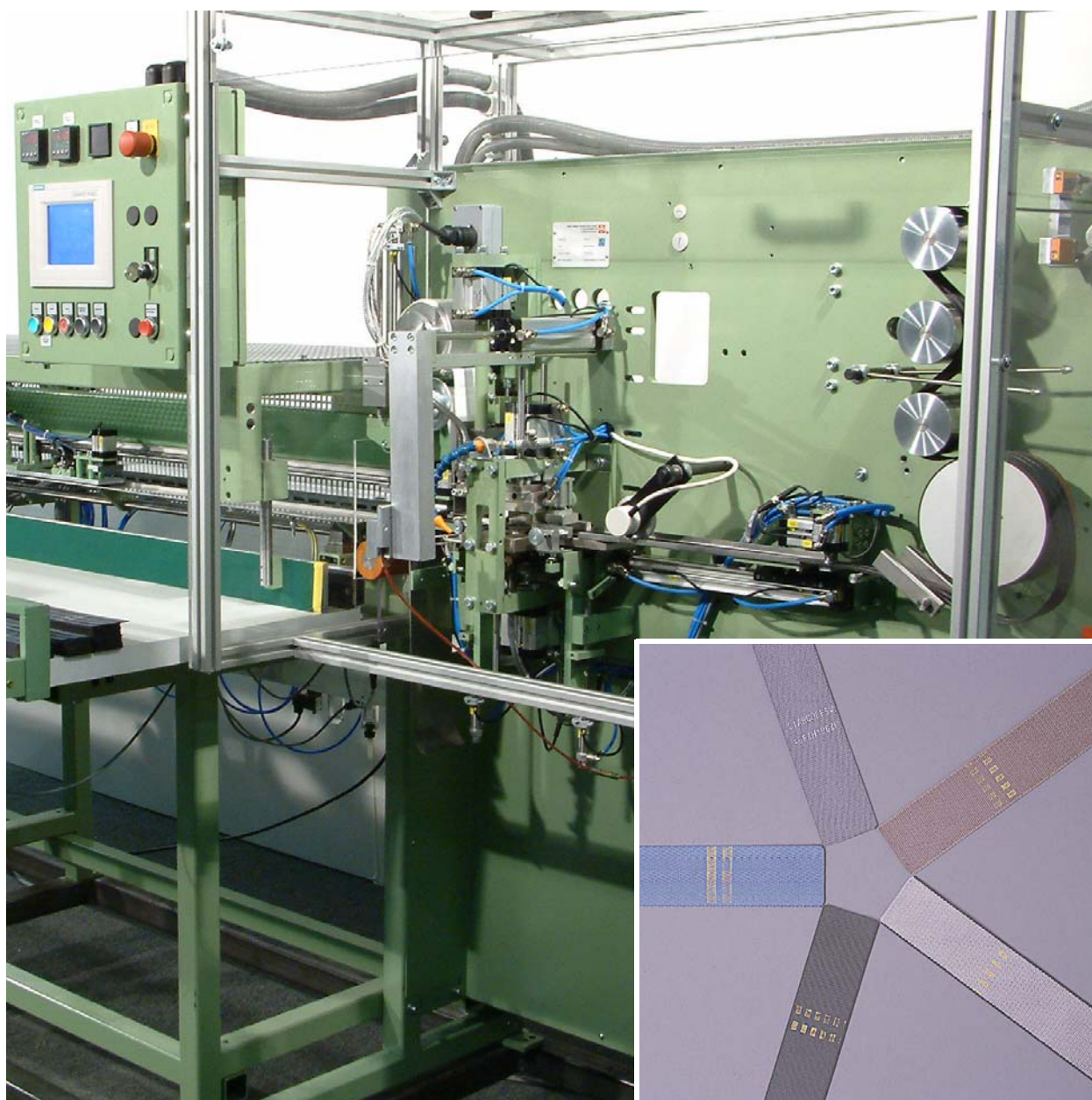


Length cutting machine

SGA-M / SGA-US

with hot or ultrasonic cutting for vehicle safety belts



SGA-M / SGA-US

Concept

SGA-M and SGA-US automatic cutting to length machines are specially designed for the make-up of vehicle safety belts. The machines meet the stringent demands made by the automotive subsupplier sector with regard to product characteristics and process safety. Due to their modular design, the machines offer versatile applications. Belts are marked with production identification, cut to length and stacked. Rounded ends are created during cutting to length by means of form cutting. Previously marked defects in the belts are automatically cut out and removed.

Main features

- Meets the requirements of the automotive sub-supply industry in an optimum manner.
- Good price/performance ratio.
- High levels of operating and service friendliness.
- Extremely economical.
- Versatility of application.
- Reliable function.
- Easy and fast setting and alteration due to product parameter storage and retrieval.
- Quicker and more precise belt transport due to servo-drive.
- Electronic length measurement.
- Form cutting with waste disposal.
- Possibility for modification or enlargement at any time.

Machine controls

SPS-controls with operator-friendly touch screen for the following program functions:

- Length pre-selection in mm
- Article counter with pre-selection.
- Marking and belt length programming.
- Data management for over 1,000 articles.
- Automatic fault surveillance, registration of system standstills and malfunctions.

Following programming the machine is operated by 5 light buttons.

Models

SGA-M

- For long lengths of 250 – 4,500 mm.
- Hot knife form cutting and pressing device as a standard feature, ultrasonic cutting system as an option.
- Pushing of belt stack onto the large storage table for further processing.

SGA-US

- For short lengths of 250 – 2,000 mm.
- Ultrasonic cutting system for short cutting cycles.
- Storage of cut lengths of up to 800 mm as a stack, up to 2000 mm over bars.

Options/additional equipment

- Rolling shaft for rolled products.
- J-box facilitates roll changes without production standstills.
- Metal detector.
- Marking device with seal film, selection of line marking or numerals/letters in two lines.
- Integrated transfer label press.

Technical data

Belt dimensions

Material width	up to 55 mm
Material thickness	up to 2 mm

Production performance

SGA-M	cycle time at a length of 3,000 mm approx. 7 sec
SGA-US	cycle time at a length of 300 mm approx. 3.5 sec

Connecting values

Installed capacity	5.0 kW
Mains connection	3 x 400 V+N+PE / 50 Hz
Compressed air	6 bar

Space requirement

	SGA-M	SGA-US
Width	6480 mm	2000 mm
Depth	1480 mm	1250 mm
Höhe	2150 mm	2200 mm
	(+ 400 mm for sliding doors)	

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