TENSIONING DEVICES FOR ELASTIC TAPES
FEEDERS FOR RIGID TAPES

5TM
RAM1000 5TM

Electronic tensioning device with 5 pre-settable tension values

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Electronic tensioning device
with 5 pre-settable tension values

RAM 1000 5TM the perfect answer to all tensioning requirements

5 INDEPENDENT TENSIONING CHANNELS

RAM 10005TM automatically controls the distribution, feeding and tensioning of elastic or rigid ribbons, tape, etc. when they are being applied to articles in fabric.

The operator can set up the required tension values on each of the 5 channels.

Each of these pre-set tension values can be called up an unlimited number of times.

The tension values (distribution – crimping – feeding) can be adjusted from 0 to 1000 on each of the 5 channels.

The operator may choose whether to use the tensioning device in the automatic or manual mode.

CALL UP AND AUTOMATIC EXECUTION OF TENSIONING SEQUENCE

The operator simply presses a button to automatically call up the pre-set values and move to the next pre-set tension value in the operative sequence.

The standard 5T knee switch allows the operator to call up the pre-set tension values, by simply pressing on ENTER, without limitations to the succession of call ups of tension values.

It is equipped with an adjustable supporting bracket in order to adjust to the physical characteristics of the operator.

MEMORISING OPERATIVE SEQUENCES

The operator may chose whether to use the RAM 10005TM in the automatic or manual mode.

Every sequence carried out by the operator can be memorised.

Pre-setting the operative cycle is a standard feature and allows the data entered to be memorised.

A memorisation capacity of up to 31 sequences in different processes is available.

Up to 16 tension value changes can be memorised in every work cycle. Every memorised sequence can be called up at any time.

When the equipment is switched off, all the memorised sequences are retained.

Whenever the device is switched on, the last card used is automatically repositioned.

The procedure of memorisation and/or modification of a sequence is very easy for the operator: it is activated by a simple data enter command.
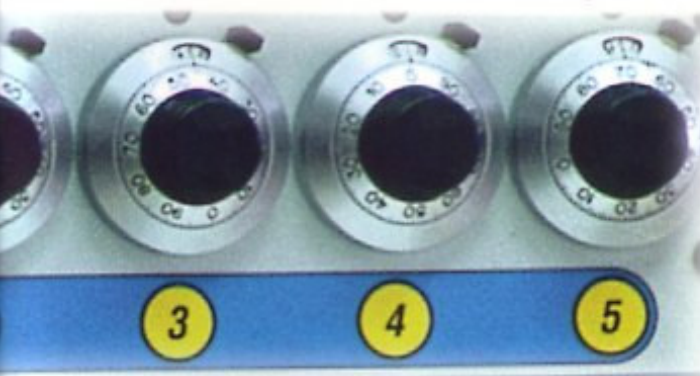
ADJUSTABLE SENSITIVITY

RAM 10005TM sensitivity settings that can be adjusted according to the type of elastic or ribbon used.

This allows the tensioning device to be arranged according to the type or weight of the elastic used in order to obtain maximum performance.

Adjustment is made depending on whether a heavy, medium or light ribbon is used.

RAM 1000 5TM
also automatically compensates differences of elasticity or manufacturing defects in the elastic.

CONSTANT CONTROL OF OPERATIVE FUNCTIONS

A number of visual, acoustic and alphanumeric signals allow the operator to keep all the current operative phases constantly under control.

RAM 10005TM displays:

⊙ which of the work modes selected by the operator is currently being used

⊙ which tension value is currently in use

⊙ the number of the card to use and/or being used

⊙ the pre-set tensioning sequence

⊙ the progress of the tensioning sequence.

⊙ which tension values are called up

⊙ how many changes of tensions have been memorised in the work card

⊙ the space occupied in each card

RAM⁺10005TM also informs the operator when the operative sequence has finished or begun by means of acoustic signals

It advises the operator whenever the tension value changes by means of acoustic signal.

GREATER EFFICIENCY AND VERSATILITY FOR MORE COMPLEX OPERATIONS

RAM 1000 5TM allows various levels of crimping to be selected, even in the alternating mode and along different points of the same stitch.

⊙ It can be installed on all kinds, makes and models of sewing machines, both new or used. It needs no modifications and no mechanical or electrical connections to the sewing machine are required.

⊙ It keeps the work area of the machine free thereby allowing the operator more space and visibility in the area.

⊙ The elastic can be fed from various positions with respect to the sewing machine: above, below or one side depending on requirements.

⊙ RAM 1000 5TM can be used successfully in different production areas for all processes where elastic tape is applied. It allows various levels of crimping to be selected, from smooth to extremely crimped, even in the alternating mode and along different points of the same stitch.

⊙ The combination of 5 channels, each with 1000 tension values, with the possibility of memorising the operative sequences and the automatic progress of the tensioning process without limitations to the alternations and call ups, allows the most complex processes and with the most numerous sequences to be carried out without creating additional costs and guaranteeing maximum processing quality. It decreases production times and process costs and reduces processing waste even in the most difficult processes and in the most complex models that require the alternation of a larger number of tensioning operations.
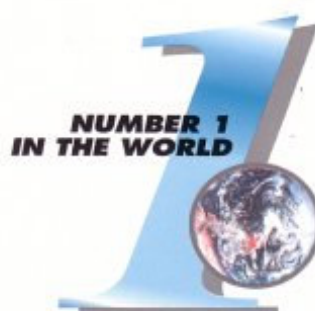
STANDARD AND OPTIONAL ACCESSORIES

Standard accessories:

⊙ complete set of driving rollers for elastic tapes up to 25 mm wide.

⊙ 5T knee switch for calling up the pre-set tension values without limit to the alternation of call ups and movement from one tension value to the subsequent ones.

⊙ pedestal, complete with bracket, completely independent from the sewing machine, for feeding ribbon from the upper part of the sewing machine.

⊙ ribbon bobbin holder rod.
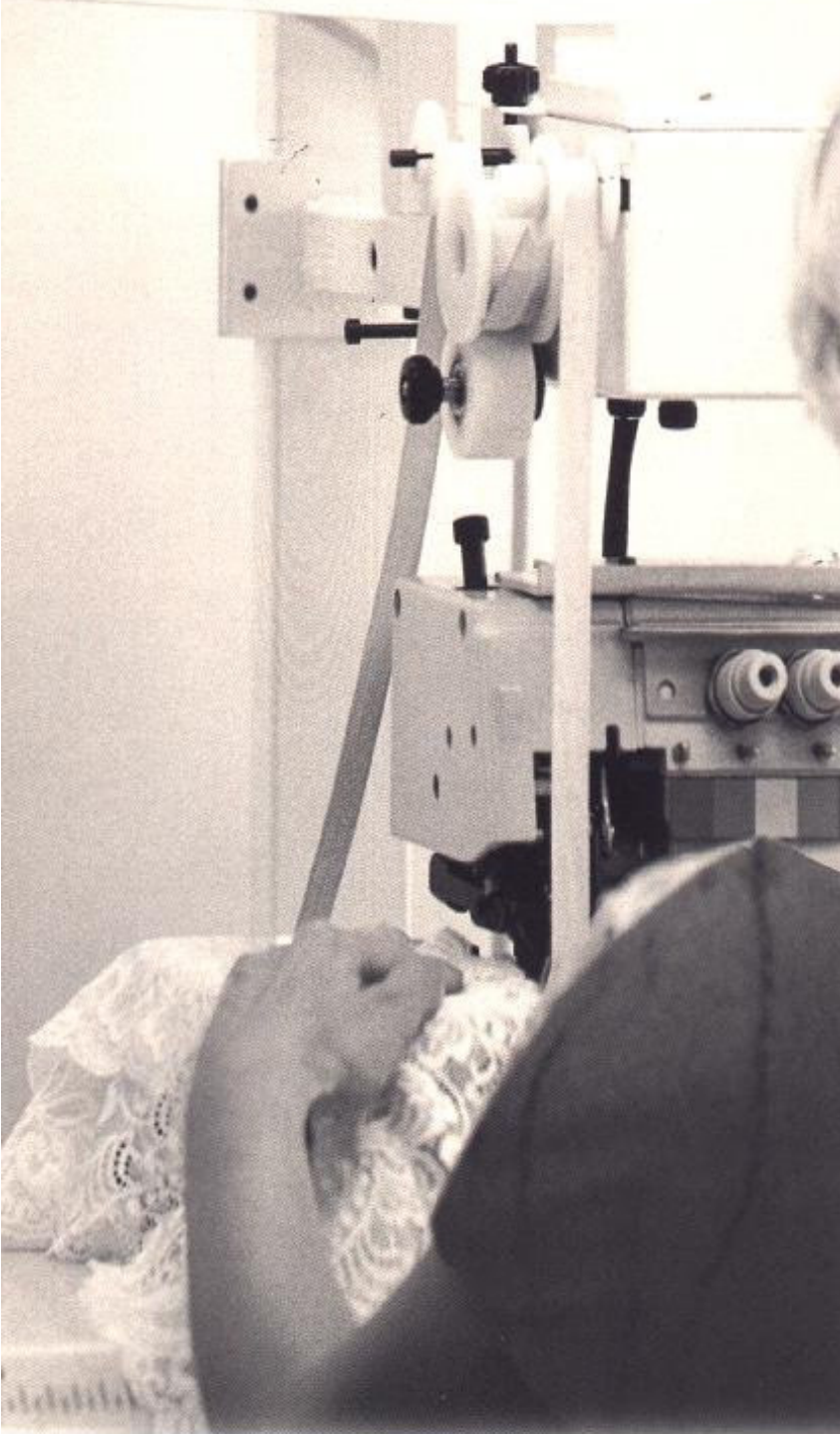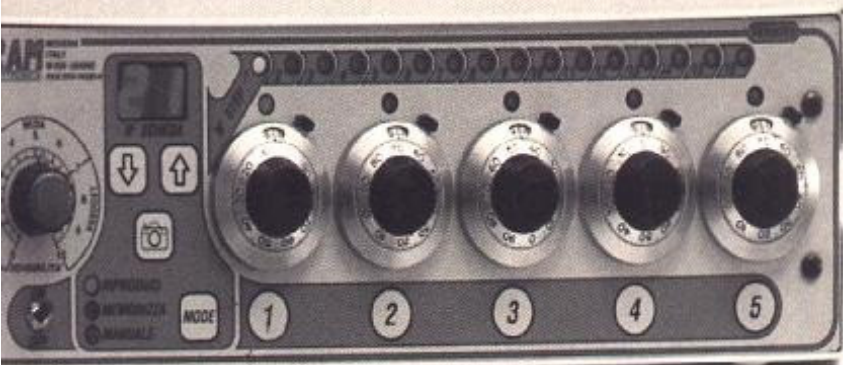
Optional accessories:

⊙ kit of driving rollers for elastic tape up to 70 mm wide.

⊙ support for feeding the elastic tape under the sewing machine.

⊙ support for feeding the elastic tape by the side of the sewing machine.

CE marking: the RAM 1000 5TM electronic tensioning devices are all CE marked and comply with European standards.

NUMBER 1 IN THE WORLD

RAM ELETTRONICA

RAM 1000 5TM gives the perfect answer to all tensioning requirements:

*it improves product quality

*decreases production times

*reduces processing waste

*optimises operator efficiency

*even with the most difficult processes and the most complex models.

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