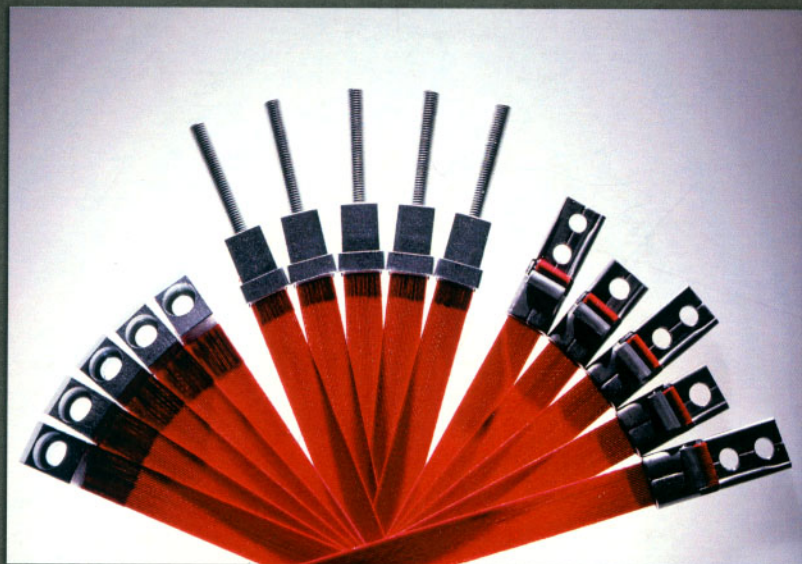
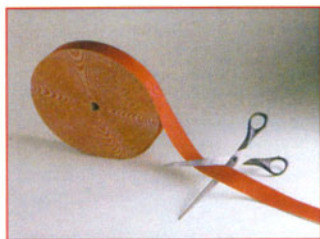


# ZENtEX



ZENTEX SRL - Via S. D'Acquisto n. 2 - 36078 VALDAGNO (VI) - ITALY - [info@zentex.it](mailto:info@zentex.it) - [www.zentex.it](http://www.zentex.it)

# PREPARATION AND WELDING OF ZENTEX SPINDLE TAPES



## Cutting

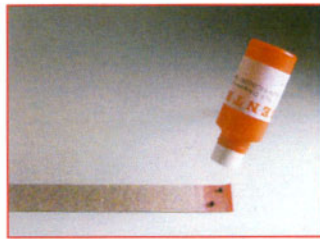
Cut the spindle tape in the optimum (net) working length plus 20 or 30 mm., according to the type of spindle tape.

Example: net length mm. 2.000  
extra length mm. 30  
length to cut mm. 2.030



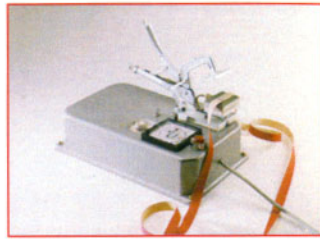
## Chamfering

Chamfer both ends 20-30 mm. in length, according to the type of spindle tape (see drawing).



## Gluing

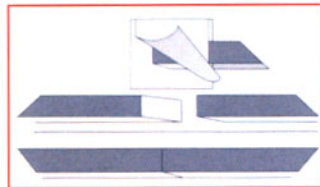
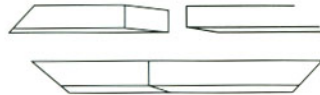
Wet lightly and evenly the two chamfered ends and put one on the other, lining them up (see drawing).



## Welding

Make sure the pliers have reached the given temperature and close with a good pressure. Insert the two superimposed and lined-up ends and close.

Remove them after the time given in the instructions and allow them to cool before using them.



## Prearranged welding for spindle tapes with ends prepared in advance.

Remove the protective films, put the two ends one on the other and follow the same welding process as above, in accordance with the instructions given for the type of spindle tape.

# EQUIPMENT TO PREPARE AND WELD ZENTEX SPINDLE TAPES

## Chamfering machine

A tool for chamfering spindle tape ends in order to avoid a double thickness on the welding spot.  
Inspect regularly the wear and tear of the abrasive paper on the pulley and replace the paper if necessary.

It is supplied:

- three-phase motor HP 0,25 220/380 V 1400 r.p.m.
- single-phase motor HP 0,25 220 or 110 V 1400 r.p.m.

## Thermistor pliers

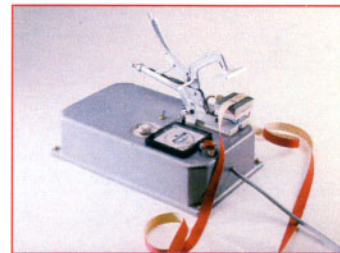
A tool with a teflon heating plate. It is electronically preset to keep the given temperature steady.  
The pressure of the pliers plates can be easily adjusted by means of an adjuster screw, according to the thickness of the spindle tape to weld. The two pliers plates should be always kept clean.

Resistance: 120 W 220 V.

## Thermotronic pliers

Besides the characteristics of the Thermistor pliers, with these pliers it is possible to change the temperature on the thermostat and to set the time necessary for welding on the timer.  
The pliers signal the complete welding by means of a warning light which goes out automatically when the operation is completed.

- Resistance: 120 W 220 V.
- It can also be supplied with a trolley.



# Z1 tape for spindle control



Excellent flexibility



Oil and grease proof



Minimum power consumption



## TECHNICAL DATA

NAME	THICKNESS mm	WEIGHT Kg/m <sup>2</sup>	PULL FOR 1% ELONGATION N/mm	MINIMUM DIAMETER PULLEY mm	ANTISTATIC	COEFFICIENT OF FRICTION		APPLICATIONS
						RED SIDE	YELLOW SIDE	
Z1	0,65	0,6	5	15	YES	0,60	0,24	Very high speed (24.000 rpm) cotton and synthetic yarn spinning machines

## PRODUCT STRUCTURE

DESCRIPTION	SURFACE A - RED	SURFACE B - YELLOW
MATERIAL	red polyurethane thermoplastic	aramidic fabric
STRUCTURE	impregnated fabric	impregnated fabric
COLOUR	red	yellow

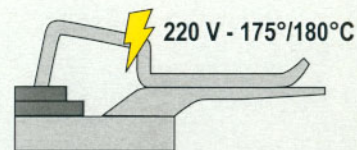
## MANUFACTURE

- In rolls
- In bands cut to the requested size and ready for the welding
- In already closed rings

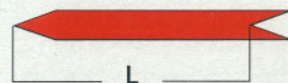
# Z1 tape for spindle control

## JOINING SYSTEM

1 • Connect the pliers to a 220V plug and wait 10 minutes before starting to weld, in order to reach the fixed temperature of 175°/180° C.



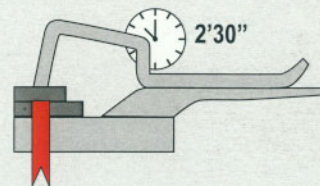
2 • Cut the tape according to its working length, as in sketch.



3 • Insert the two matching ends into the teflon mask, making sure that the red side faces the top.



4 • Press the mask in the heated pliers for 2'30" at 175°/180° C.



5 • Extract the mask and let cool off for 30" before removing the welded tape.



# UNICO

tape for spindle control



Excellent flexibility



Oil and grease proof



Minimum power consumption



## TECHNICAL DATA

NAME	THICKNESS mm	WEIGHT Kg/sqm	PULL FOR 1% ELONGATION N/mm	MINIMUM DIAMETER PULLEY mm	ANTISTATIC	COEFFICIENT OF FRICTION		APPLICATIONS
						BLACK SIDE	WHITE SIDE	
UNICO	0,75	0,64	2,9	15	YES	0,47	0,27	Very high speed (24.000 rpm) cotton and synthetic yarn spinning machines

## PRODUCT STRUCTURE

DESCRIPTION	SURFACE A - BLACK	SURFACE B - WHITE
MATERIAL	antistatic neoprenic rubber	cotton fabric
STRUCTURE	impregnated fabric	fabric
COLOUR	black	white

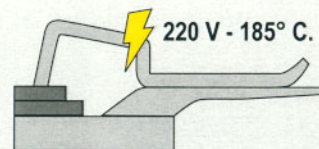
## MANUFACTURE

- In rolls
- In bands cut to the requested size and ready for the welding
- In already closed rings

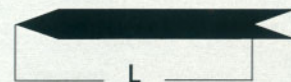
# UNICO tape for spindle control

## JOINING SYSTEM FOR OUR UNICO TAPE

1 • Connect the pliers to the electric line 220 V. and wait 10 minutes before starting to weld, in order to reach the fixed temperature of 185° C.



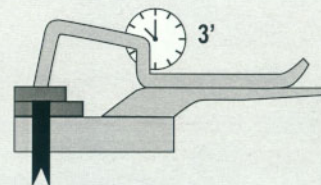
2 • Cut the tape considering the working length as from sketch.



3 • Feed in the teflon mask the two extremity fit taking care that the black side is turn toward the top.



4 • Press the mask in the heated pliers to 185° C for 3'.



5 • Extract the mask and leave cool for 20" before remove the welded tape from the same.



QUALITY

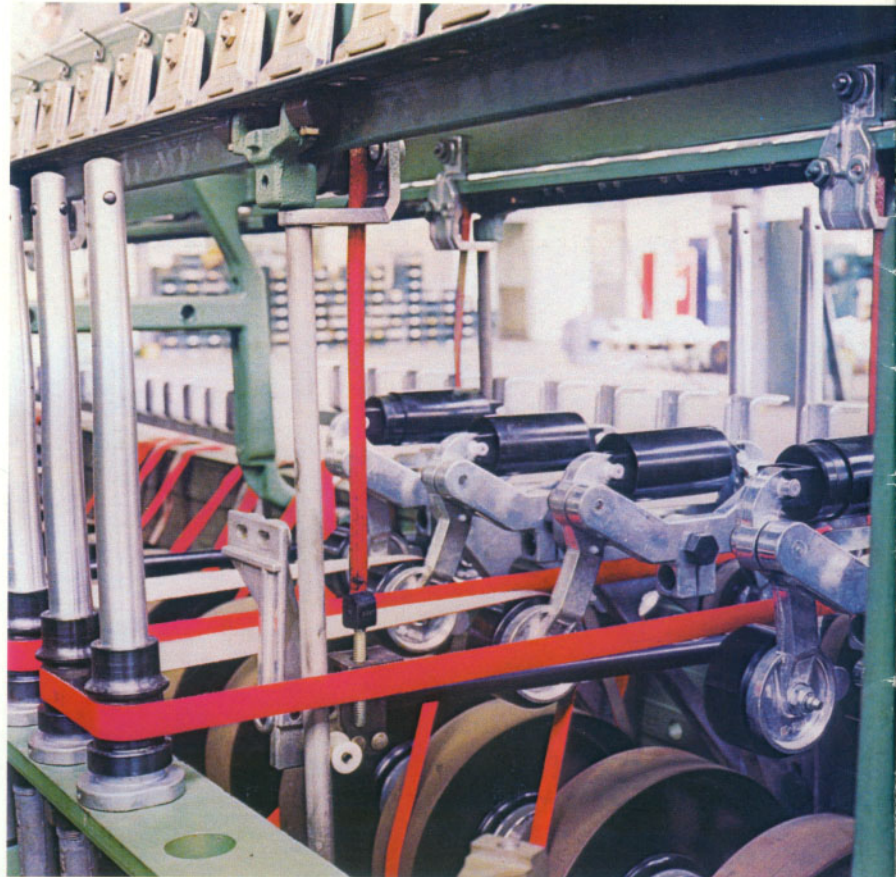
ACCURACY

RELIABILITY

INDEFATIGABLE

RESEARCH FOR NEW SOLUTIONS

ARE **ZEN**tex'S MAIN  
PRINCIPLES



**ZEN**tex