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**Declaration of "CE" conformity
(according to Annexe II of the Directive 98/37/CE-2006/95/CE)**

Trade name of the manufacturer

VF SRL

Address of the manufacturer

Via Torino, 30

36030 Caltrano (Vicenza) Italy

DECLARES THAT THE MACHINE

Named : TAPING-MACHINE
Model : TAPING-M1
Matr : 02.14.02.11
Year of manufacturing: 2011

It has been designed in conformity with the safety basic requirements of the following Directives:

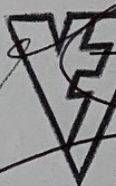
- Machines Directive: 2006/42/CE-98/37CE
- Low tension Directive 2006/95/CE
- Directive of electromagnetic compatibility 2004/108/CE

Other harmonized rules applied:

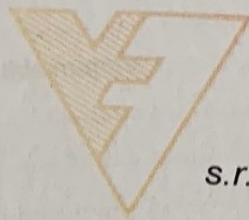
- UNI EN 12100-1
- UNI EN 12100-2

Caltrano, 19/01/2011

Legal Representative
(Name and surname)



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s.r.l.

TAPING-M1

Instruction manual for use and maintenance

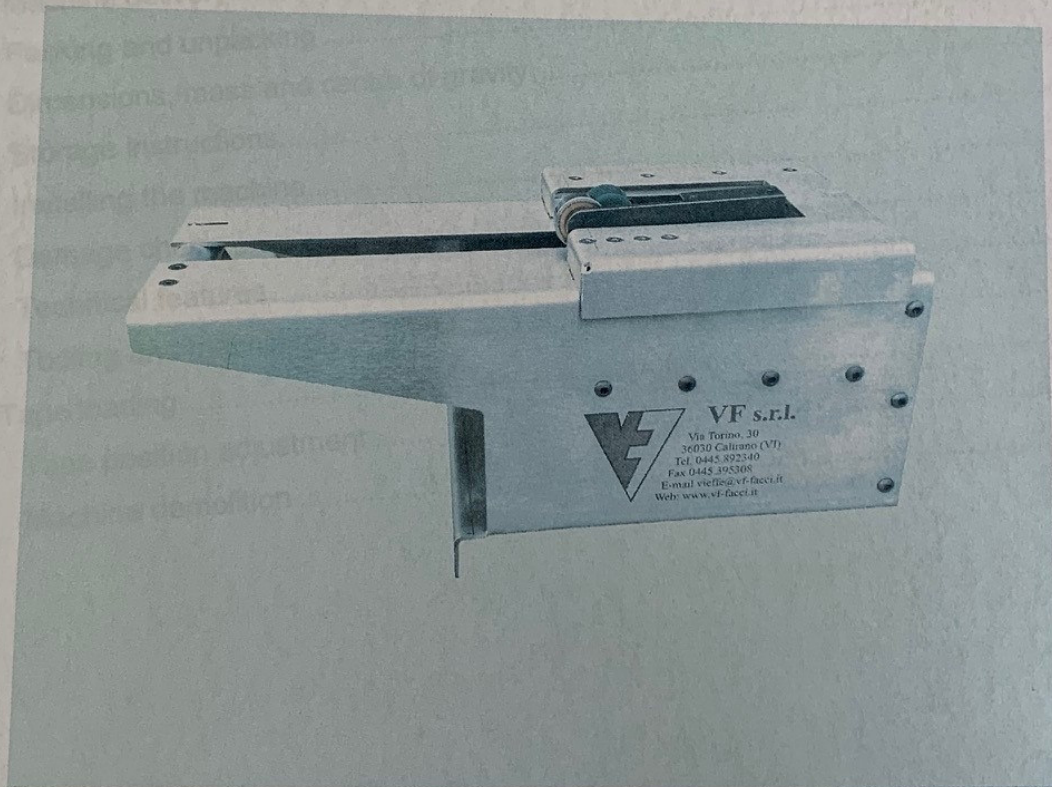


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2.0 Presentation of the machine

1.3 Warranty

The Manufacturer: VF S.r.l. Via Torino, 30 – 36030 Caltrano (VI)

GUARANTEES

The machine: TAPING-M1

Manufactured on: 01/2011

For a one-year period, for an 8-hour shift. Parts relevant to trade components are not included in the ordinary warranty, but in the original manufacturer's warranty.

The warranty becomes effective from the date the machine was despatched.

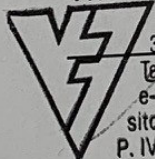
The warranty is valid only if the machine has been used correctly according to the instructions given in this manual, including scheduled periodical maintenance services.

VF will repair or replace faulty parts or parts that have been damaged during the warranty period free of charge in its plants in Caltrano. In case faulty parts are replaced, VF has the right to collect the faulty part after it has been replaced. Transport and shipping charges of the spare parts will be paid by the customer.

Warranty does not include consumable and periodical maintenance materials and parts damaged by the improper use of the machine.

Repairs and replacements performed during the warranty period do not extend the warranty coverage.

The legal representative

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Facci

1.4 Terms and abbreviations used

The units of measure used in this manual conform to the international system of units.

1.5 Transport and installation

See chapter 3 and 4 for instructions about transport and installation.

1.6 Responsibility

The manufacturer is not responsible for the non-observance of the instructions given in this manual.

For any data not contained in the following pages, we kindly advise you to contact the manufacturer for further information.

1.7 Operator skills required

The operator must perfectly know the content of this manual.

The operator must be trained in the use of the machine, start up, deactivation and maintenance operations.

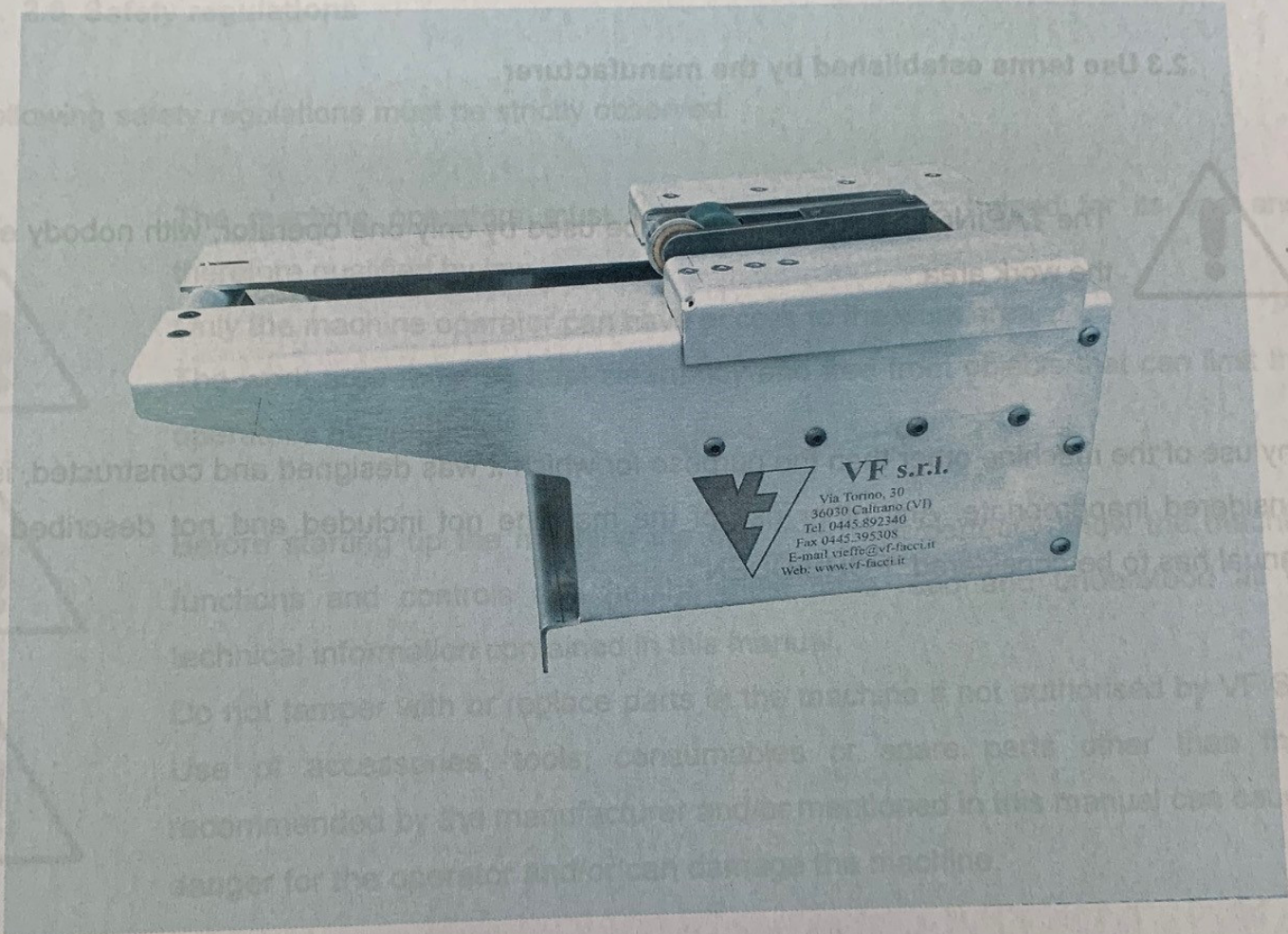
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2.0 Presentation of the machine

2.1 General description

TAPING-M1 is a single-head taping machine for taping PCB stacks.

The stack is placed on the machine top plate and pushed against the back carriage. This movement starts automatically the taping cycle.



2.2 Test

Before being delivered, the TAPING-M1 machine has been tested as follows:

- Check of work cycle
- Functionality of the taping heads

2.3 Use terms established by the manufacturer



The TAPING-M1 machine has to be used by only one operator, with nobody else in the work area.

Any use of the machine other than the purpose for which it was designed and constructed, is to be considered inappropriate. Any other use of the machine not included and not described in this manual has to be considered "FORBIDDEN".

Take the Tape with the pliers and pull it down, fig. 4

Lift up the cutter hammer, put the Tape from the hammer and the

2.4 Remnant risks

Disconnect the air feed before any tooling or maintenance operation.

In regular working conditions there are no particular remnant risks.

2.5 Safety regulations

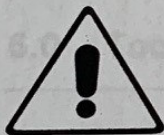
The following safety regulations must be strictly observed:



The machine operators must have previously been trained for its use and therefore qualified by law.

Only the machine operator can have access to the work area.

The work area must be kept clean, tidy and free from objects that can limit the operator's movements.



Before starting up the machine the operator must perfectly know the machine functions and controls and he/she must have read and understood all the technical information contained in this manual.

Do not tamper with or replace parts of the machine if not authorised by VF S.r.l.



Use of accessories, tools, consumables or spare parts other than those recommended by the manufacturer and/or mentioned in this manual can cause a danger for the operator and/or can damage the machine.

We are not responsible for damages caused by improper use or operations not in compliance with instructions given in this manual.

3.0 Transport instructions

3.1 Machine delivery

All the material is accurately checked by the manufacturer before shipping.

Upon receipt of the machine, make sure it has not been damaged during transport or that the packaging has not been tampered with and part of its content has not been taken away.

In case damages have occurred or some parts are missing, immediately notify the carrier and the manufacturer, enclosing pictures.

We recommend to check that the delivered material corresponds to the order description.

3.2 Packing and unpacking

Packing conditions are determined together with the customer according to the distance and to the mean of transport chosen. The machine can be transported without packing. Packing consists of a wooden container internally coated with waterproof paper.

To unpack the machine, follow the instructions given below.

Place the packaged machine next to its designed position.

Remove the wood protection and the plastic material in order to open the package.

Disposal of packing material:

Wood: non-polluting material, to be correctly recycled

Plastic: polluting material that cannot be burned (toxic fumes) nor spread in the environment; must be disposed of according to law

3.3 Dimensions, mass and centre of gravity

The wood container used for the transport, containing the machine, when closed weighs about 21kg and its dimensions are 290 x 620 x 390 mm.

3.4 Storage instructions

If the machine is not immediately used upon arrival, it must be stored in a dry place where it cannot be affected by weather conditions.

4.0 Installing the machine

4.1 Damage check

When receiving the machine, the customer will check that the container has not been dropped or overturned resulting in damage to the packaging. Should damages be found, the customer will immediately inform the carrier and contact the supplier before opening the container.

5.0 Technical features

Net weight : Kg. 14

Overall dimensions: mm. 440 x 190 x 220

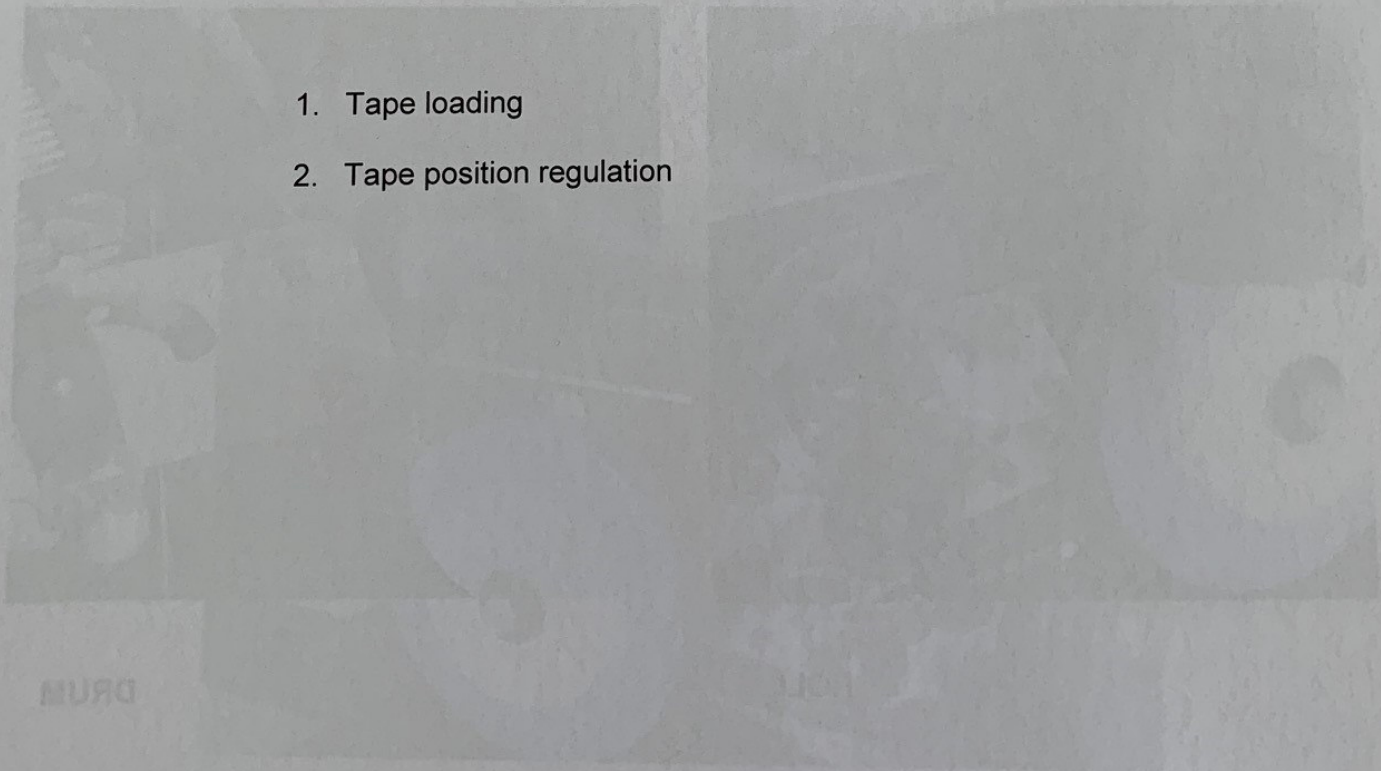
Tape roll outside Ø 115 - inside Ø 75 - width 15 m/m

(Common paper tape used for painting)

6.0 Tooling and machine adjustment

For the machine tooling, follow the instructions below.

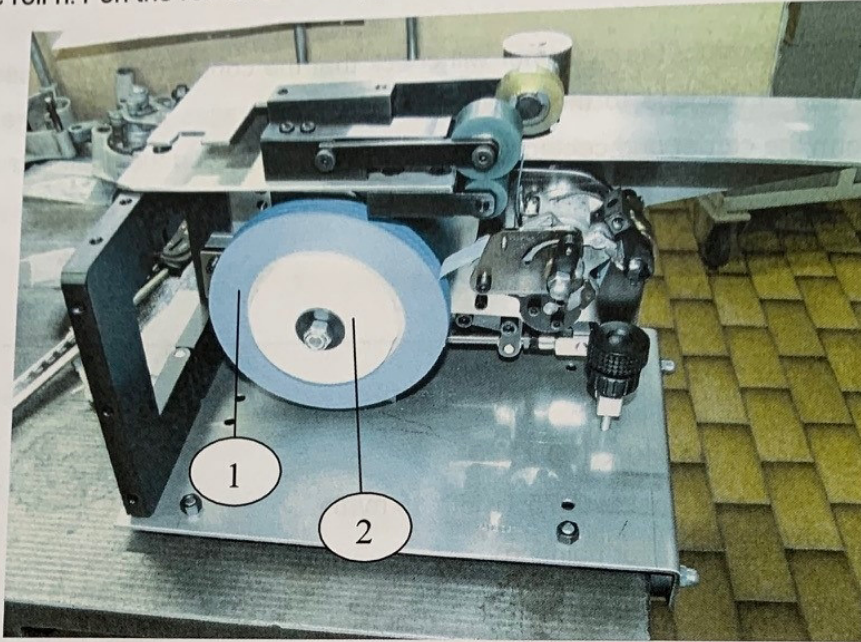
1. Tape loading
2. Tape position regulation



6.1 Tape Loading

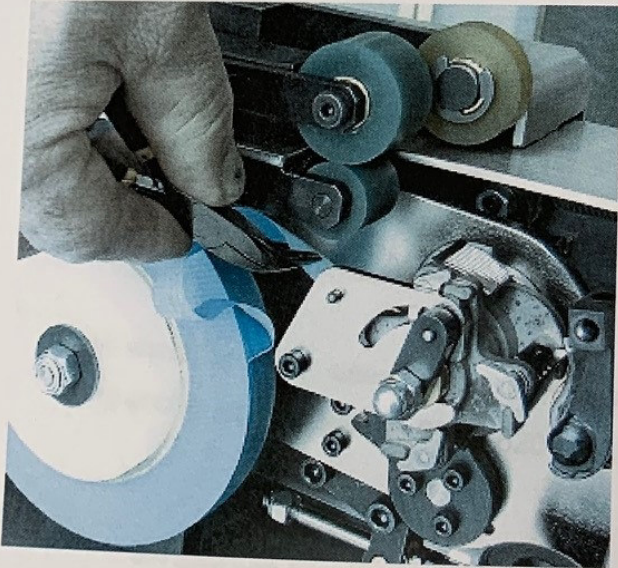
Load the tape roll n.1 on the roll holder n.2 (fig. 1)

FIG. 1



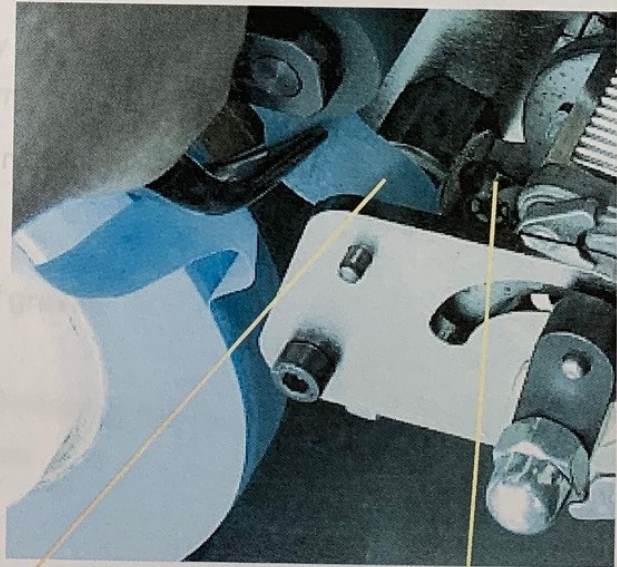
Unroll the tape, using a pliers, insert down the tape from the roll and the drum, fig.2 and 3

Fig.2



ROLL

Fig.3



DRUM

Take the Tape with the pliers and pull it down, fig. 4
 Lift up the cutter hammer, put the Tape from the hammer and the drum push it on the small plate, fig.5.

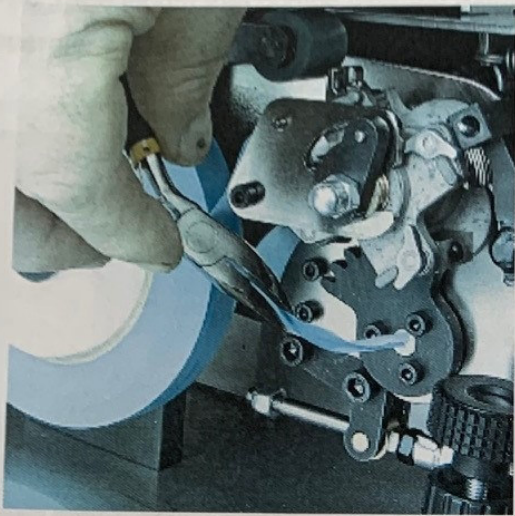


Fig.4

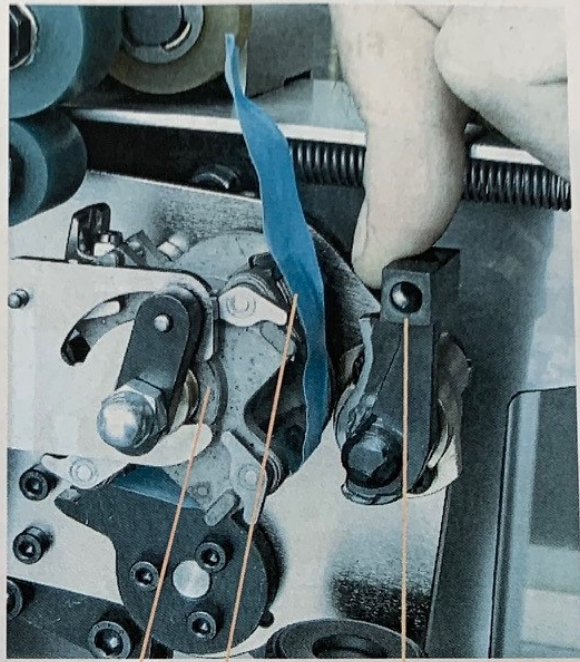


Fig.5

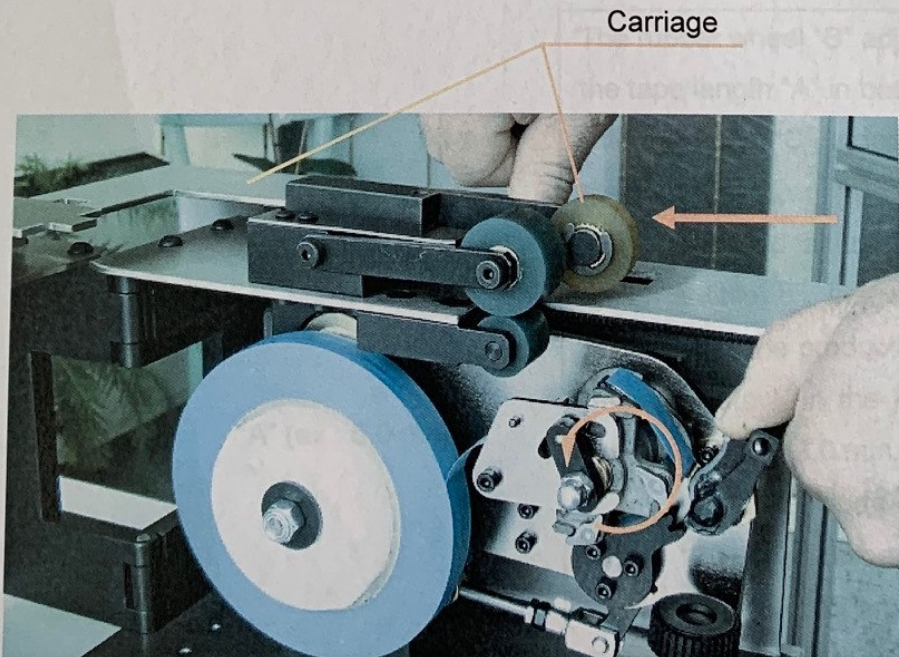
Drum

Plate

Cutting drum

By the pushing back the carriage, the drum is armed and will turn one cycle in counterclockwise direction. With this movement the tape will be carried out one step, fig.6.

Fig.6

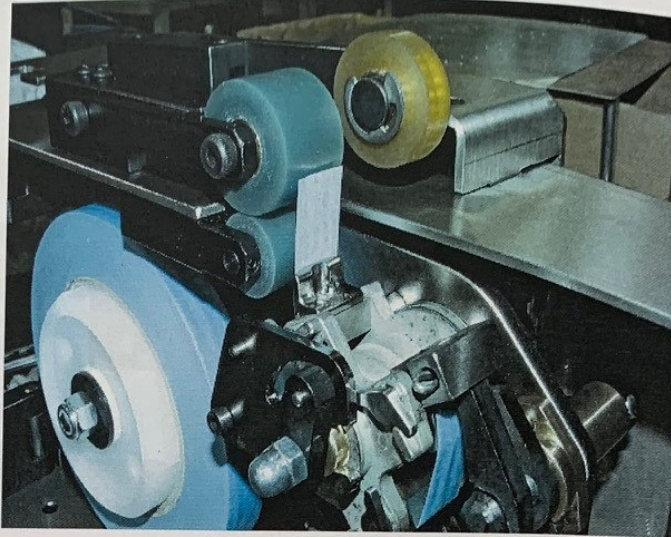
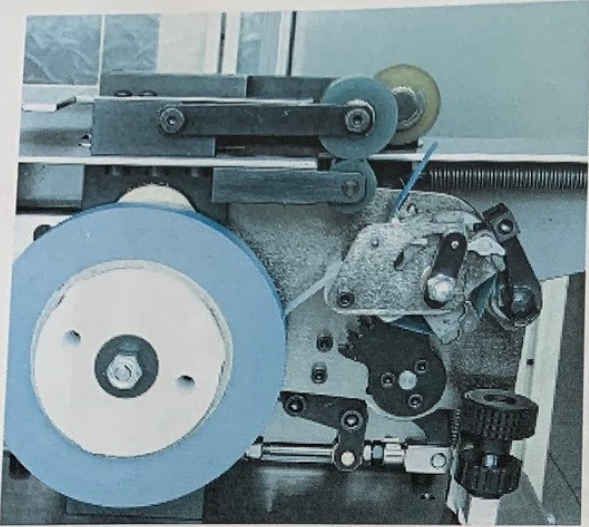


Carriage

At the end of operation the Tape must be as shown on the fig. 7 and 8.

Fig.7

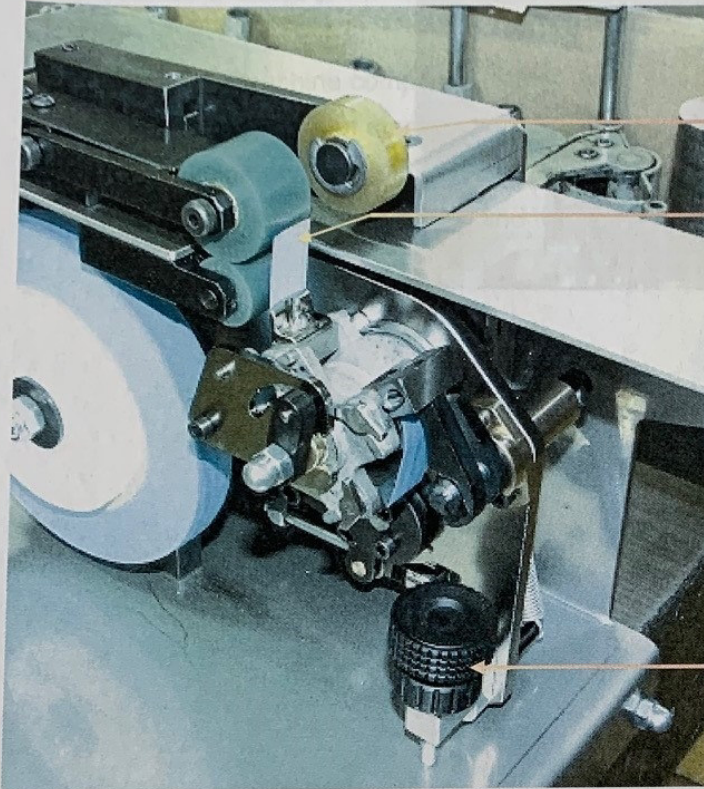
Fig. 8



6.2 POSITION TAPE ADJUSTMENT

The total Tape length has been adjusted during the final test and is 35 mm.

The Tape length that comes over the aluminum entry board ("A") has to be adjusted once from the operator by the regulation ("C"). (for example 5,0 mm.)

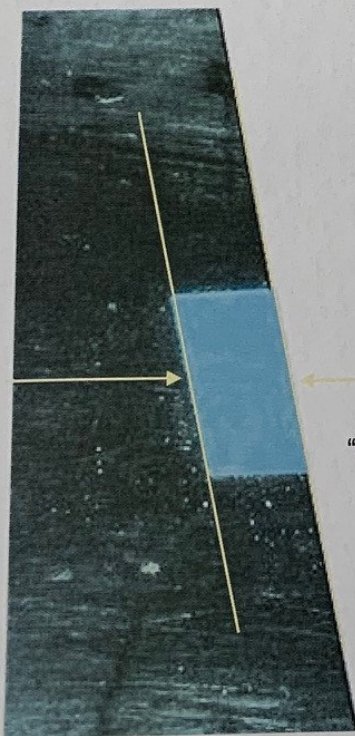


"B"

"A" (ex.: 5,0 mm.)

Fig. 9

"C"



"A" (ex.: 5,0 mm.)

The rubber wheel "B" adjusts automatically the tape length "A" in base at value pre settled with the wheel "C", independently from the stack thickness.

We suggest to adjust the wheel "C" with a value a little bit below the minimum stack thickness in the production. For example if the minimum stack in the production is 3,5 mm. set the value at 3,0 mm.

If we want to exclude the automation of the wheel "B", is necessary lift up at maximum level the screws "D" and "F", fig. 11.

F: clockwise direction

D: counter clockwise direction

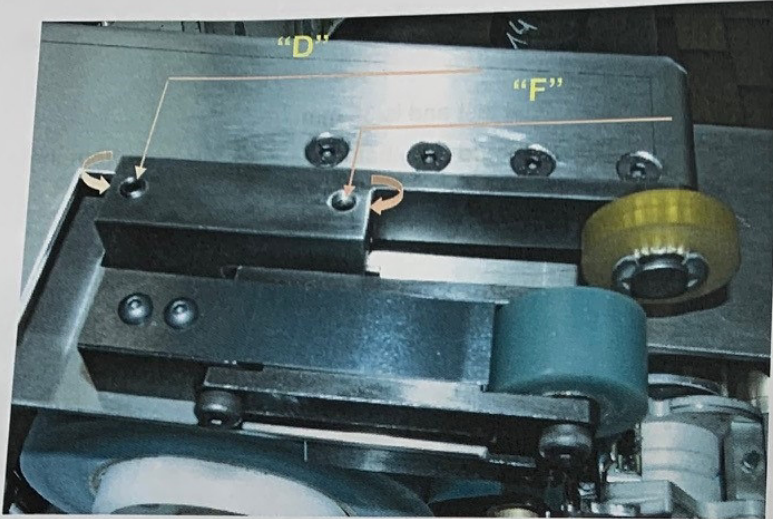


Fig. 11



7.0 Machine demolition

The machine is a property; for its demolition follow the regulations established by the laws of the manufacturer's country. Before demolishing the machine ask for an inspection from the competent body and for a subsequent report. Disconnect the machine from the electrical and pneumatic system.

Dismantle all the machine components dividing them according to the material they are made of.

The machine is made up of steel, cast iron, aluminium and plastic.

Scrap the machine according to the laws in force in the manufacturer's country.

Also destroy any identification plates and the instruction manual of the machine.

Trade name of the manufacturer

VF S.r.l.

Address of the manufacturer

Via Tenno, 30

38030 Cassano (Vicenza) Italy

DECLARES THAT THE MACHINE

Named TAPING-MACHINE

Model TAPING-M1

Model 02.14.02.11

Year of manufacturing 2011

It has been designed in conformity with the safety basic requirements of the following Directives:

Machine Directive 2006/42/CE-33/07/CE

Lift/lift-truck Directive 2006/60/CE

Directive of electromagnetic compatibility 2004/108/CE

Other harmonized rules applied:

UNI EN 12100-1

UNI EN 12100-2

CEmark 13012011

Legal Representative
(Name and surname)

