

CFR1 05
INSTRUCTIONS
AND MAINTENANCE
MANUAL

Rimoldi[®] by [®]

Foreword

Thank you for having purchased this complete unit produced by GRUPPO CF ITALIA. Before starting to operate with this semi-automatic unit, please read these instructions in order to get a better understanding of the operation of the machine.

These instructions will show you how to work in compliance with current regulations.



No part of this manual may be copied in any way without first asking permission from CF ITALIA s.r.l. The contents of this manual may undergo changes without advance notice.

For further copies of this manual, or for explanations concerning any information or technical notes described in this manual, please contact:

info@cfrimoldi.com

Dichiarazione di conformità

La CF ITALIA S.r.l. con sede in GALLARATE (VA) - Corso Colombo 42, costruttrice della macchina rasafili elettronica e pneumatica denominata:

CF R1 05
Con numero di matricola
Anno di costruzione 2005

DICHIARA

Che la macchina stessa è stata progettata e collaudata nel rispetto delle vigenti direttive:

98/37 (abrogazione delle Direttive 89/392 CEE)
 91/368 CEE e 93/68 ad emendamento e modifica della 89/392 (ed in parte in vigore)
 73/23 CEE (materiale elettrico)
 89/336 CEE (compatibilità elettromagnetica)

dei Regolamenti di attuazione delle Direttive CEE e delle seguenti Leggi e Regolamenti Nazionali:

DPR 547/55 (prevenzione infortuni sul lavoro)
 DPR 459/96 (recepimento della Direttiva 89/392)
 Legge 791 del 1977 (recepimento della Direttiva 73/23)
 DL 476/92 (recepimento della Direttiva 89/336)
 DL 345/99 (limiti di rumorosità) : 73 Db
 DPR 303/56 (norme generali per l'igiene del lavoro)

E di tutte le Norme UNI e CEI che riguardano direttamente la costruzione della macchina o il suo funzionamento.

Gallarate,

Il Responsabile Tecnico
Flavio Montagnoli

CF ITALIA srl

Statement of compliance

CF ITALIA S.r.l. having main offices in GALLARATE (VA) - Corso Colombo 42, manufacturer of the electronic and pneumatic thread levelling machine known as:

CF R1 05
Serial number
Date of manufacture 2005

HEREBY DECLARES THAT

The machine has been designed and tested to comply with current directives:

98/37 (repealing EEC directives 89/392)
 91/368 EEC and 93/68 amending and modifying 89/392 (partly current)
 73/23 EEC (electrical material)
 89/336 EEC (electromagnetic compatibility)

of the Regulations for Implementing EEC Directives and the following National Laws and Regulations:

DPR 547/55 (preventing accidents at the work place)
 DPR 459/96 (implementing Directive 89/392)
 Law 791 del 1977 (implementing Directive 73/23)
 DL 476/92 (implementing Directive 89/336)
 DL 345/99 (noise limits)
 DPR 303/56 (general workplace hygiene rules)

And all the UNI and CEI standards referring to the manufacture and operation of the machine.

Gallarate,

The Technical Manager
Flavio Montagnoli

CF ITALIA srl

Warranty

CF ITALIA S.r.l. guarantees that all the COMPLETE UNITS are free from defects in terms of materials and / or manufacture, for a period of 6 months in daily shift use.

This warranty does not cover any faults due to ordinary wear, to unauthorized operations or modifications, to improper or incompetent use of the unit, to lack of maintenance, to wrong or insufficient maintenance, to unsuitability of the power supply (electricity and air), to the use of spare parts and/or accessories not made by CF ITALIA and, finally, does not cover any damage to electronic parts caused by the weather. Therefore, parts which are worn because of normal use of the machine will not be replaced.

The warranty guarantees the Customer only repair or replacement of the defective parts. It does not cover any other claims or requests, including claims due to loss of production or damage to things or injury to people due to the use of the CF ITALIA unit, even when this is due to a fault on the machine. The warranty also does not cover requests for replacing the units.

Operations performed under the warranty may be carried out at our premises or at the Customer's. In the latter case, the Customer must pay the expenses and transport risks.

Any replaced items will become the property of CF ITALIA S.r.l.

Decisions about the validity of the requests for operations performed under warranty, and/or the relevant technical proceedings, shall be taken exclusively by CF ITALIA S.r.l.

This warranty replaces any other warranty or condition, whether express or implied, including any warranty of suitability of the unit for specific purposes.

This is the only and the complete agreement governing the relations with the Customer as far as the warranty is concerned.

Should any dispute arise concerning the contents, the limits of application or any other feature of this warranty, the text in the Italian language shall be the only valid one.

Any disputes before the law shall be settled at the court of Busto Arsizio.

CF ITALIA S.r.l. reserves the right to change or to amend the data provided in this publication, for technical or business reasons.

Testing and running test certificate

The CF R1 05 type machine

Serial number

Has been assembled properly, in the manner laid down by the Standards listed in the Statement of Compliance enclosed herewith.

And carefully tested and checked by our technician

Mr.....

on..... at our offices in Gallarate (VARESE) ITALY.

CF ITALIA s.r.l.

Machine identification

The serial number and the data of the machine are punched on the label (see figure).

NB: when asking for technical help or when ordering spare parts, always mention the serial number of the machine.

CF ITALIA s.r.l. CE
C.so Colombo, 42
21013 Gallarate (VA) Italy

MODELLO	<input type="text"/>
TIPO	<input type="text"/>
MATRICOLA N°	<input type="text"/>
ANNO COSTRUZIONE	<input type="text"/>

Foreword

This manual (UMM) and all its attachments are an integral part of the CF ITALIA unit and contain the safety information laid down by the Directives and Standards listed in the Statement of Compliance.

Before using the machine, the purchaser must make sure that the staff which is to use it is aware of the contents of this manual, especially the safety warnings.

CF ITALIA srl will not be held liable, either before civil or criminal law, for any accidents due to failure to comply with even one of the instructions contained in this manual.

0.0 General notices

Before you install the machine, make sure the area you are installing it in is large enough.

Make sure there is a sufficient air suction system in the room to ensure 12 to 15 complete exchanges of air per hour.

If you have to install or remove the machine, only use lifting and handling equipment which are suitable to the weight and the geometrical features of the piece to be lifted/handled.

Do not allow unauthorized or unqualified staff to start up, adjust, run or repair the machine. Also refer to this manual for the necessary operations.

Before cleaning and/or servicing the machine, and before removing any guard, make sure that the main switch is in its "OFF" (O) position so as to cut the power off from the machine while the operator is working.

All the controls and maintenance operations requiring removal of the safety guards are performed under the exclusive responsibility of the user. We therefore advise that these operations should be performed only by specialized and authorized technical staff.

NB: DO NOT REMOVE THE SAFETY DEVICES.

In order to avoid running risks, only use electrical equipment which is earthed and complies with safety standards.

Do not tamper for any reason with the wiring system, the air supply or any other mechanism.

Unless expressly specified in this UMM, do not repair or set the machine (or any part of it) while it is running.

Nobody must use the machine for any purpose different from the one provided for and documented. The machine must always be used in the manner, the time and the place provided for by good technical practice and by the regulations current in the country where the machine is installed and running.

CF ITALIA refuses any liability for accidents or damage to things or injury to people which may arise due to failure to comply with the instructions in this UMM and with safety regulations in general.

ATTENTION PLEASE:

THE SAFETY INSTRUCTIONS PROVIDED IN THIS UMM INTEGRATE AND DO NOT REPLACE CURRENT SAFETY REGULATIONS.

NEVER carry out hurried or improvised repairs which could compromise the proper operation of the machine.

IN CASE OF DOUBT, ALWAYS ASK FOR SPECIALIZED STAFF TO OPERATE.

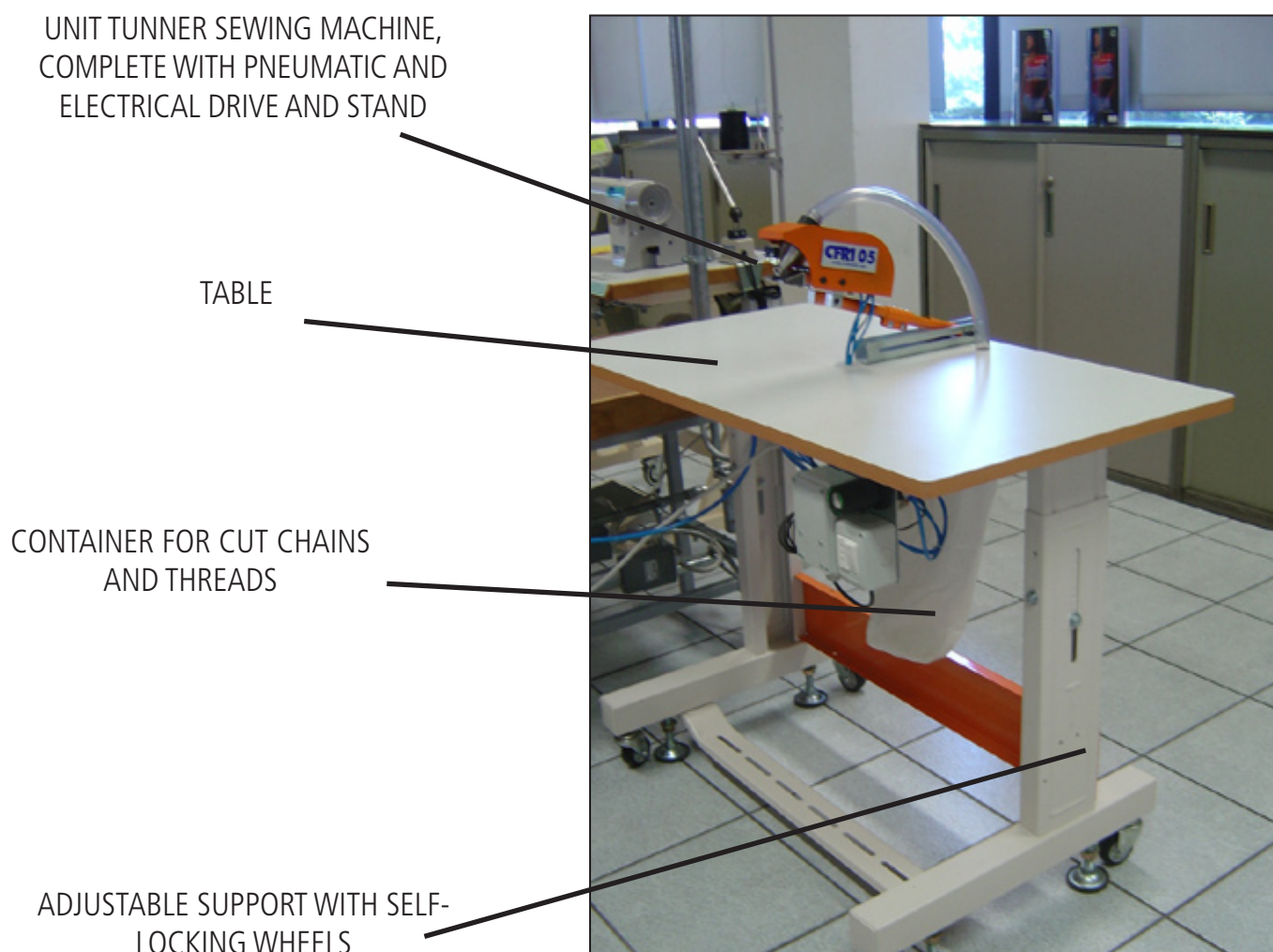
ANY TAMPERING BY THE USER WILL PUT AN END TO ANY LIABILITY BY THE MANUFACTURING COMPANY AND WILL MAKE THE USER THE SOLE PARTY RESPONSIBLE TOWARDS THE AUTHORITIES FOR PREVENTING ACCIDENTS.

Table of contents:

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7.0	Wiring connections
8.0	Cleaning

1.0 General machine specifications

CF R1 is a machine for cutting threads and chains left by sewing machines on all kinds of garments . CF R1 is electronic and pneumatic and may be used on any kind of garment. The machine has been designed so as not to damage the fabric, and consists of:



FEEDING VOLTAGE

The feeding voltage is 220 V single phase 50/60 Hz.

COMPRESSED AIR CONSUMPTION AND PRESSURE

The compressed air consumption is about 173 litres of air at a pressure of 6 BAR on the 1st pressure switch and 3 BAR on the 2nd pressure switch. Vacuum air pressure max 8 BAR. Knife group drive air pressure from 3 to 4,5 BAR.

SIZE AND WEIGHT OF THE MACHINE

Width:	105	cm
Length:	55	cm
Height:	90	cm
Weight:	47	kg

LIFTING AND MOVING

For moving, the machine is put on a pallet and then lifted by a lift truck or transpallet.

ATTENTION PLEASE !

When lifting and moving, comply carefully with the Accident prevention regulations on lifting and handling loads .

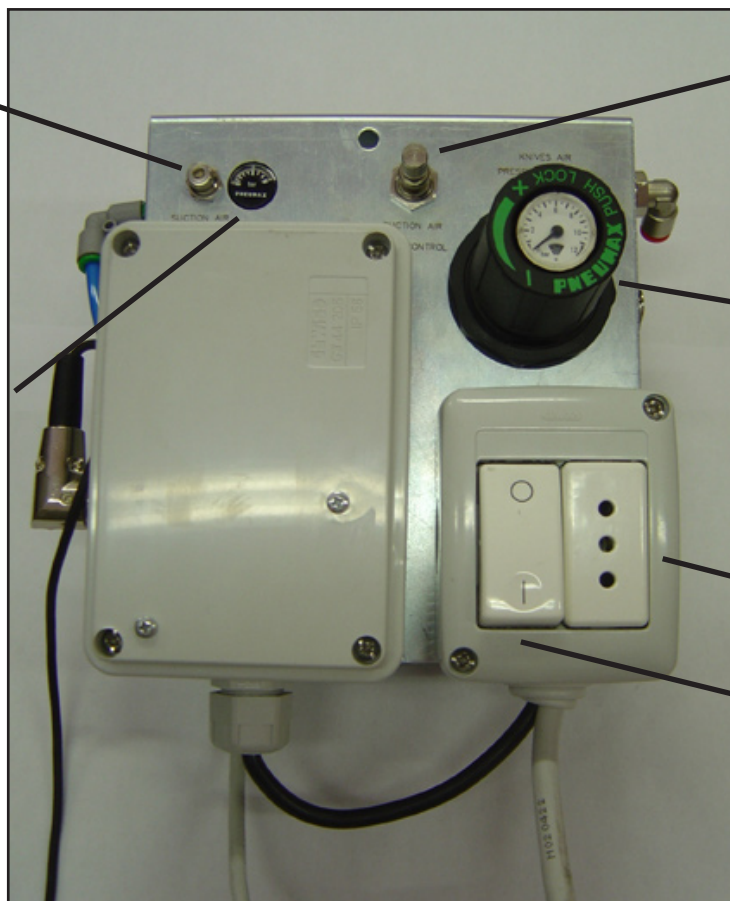
THE WORK PLACE

- The user will be facing:
- _ thread leveller head.
 - _ height-adjustable table.
 - _ control panel.

1.1 Control panel

SUCTION AIR PRESSURE CONTROL:
it adjusts the suction air-pressure, pressure that should not however exceed 8 BAR.

AIR PRESSURE GAUGE



SUCTION AIR FLOW CONTROL:
it adjusts the suction air-flow.

KNIVES AIR PRESSURE CONTROL:
it adjusts the working air-pressure on the pneumatic pistons of the cutting group.

ADDITIONAL POWER SOCKET:
1.000 W max.

MAIN SWITCH

2.0 Condition of use

Operations involving cleaning and cutting threads from garments are held to be "normal" under the following conditions:

The user must have read and understood the meaning of all the following manual.

The user applies all the directives of the following "CE" manual. All the safety regulations are complied with, without removing the casing or the safety devices applied by the manufacturer. Power is constantly being fed.

The machine is connected to an earthing system in order to prevent electric shocks.

The machine is not run at high temperatures (over 40 degrees C), or at low temperatures (below 10 degrees C). The unit is not used in an environment where there are explosive gases, dust or oil fumes. The machine is not connected to a compressed air system containing water or other liquids inside the pressured circuit.

The machine is connected to a compressed air installation with a minimum constant inside pressure of 7 bar.

The manufacturer denies any responsibility for damage caused by the machine to things or injury to people if:

The machine has not been put to work by qualified technicians.

Any repairs on the machines (mechanical and/or electronic) have been performed by unqualified technicians.

The power supply is not constant.

The air inside the pneumatic system is not constant and/or is not up to standard.

Maintenance is performed very poorly.

Non original spare parts, or spare parts not specifically for this model, are used. The user fails, either in whole or in part, to comply with the instructions.

Never:

Remove the casings from their proper positions.

Deactivate the safety devices prepared by the manufacturer, making the machine dangerous for the end user.

Modify the machine, without the permission of the manufacturer, or making the machine dangerous for the user.

Use the machine in case of extraordinary events.

3.0 Starting up the machine

After connecting the machine to the power mains at 220 volt single phase and to the pneumatic system at a minimum of 7 BAR pressure, turn the power switch on.

The machine is ready to start.

4.0 Proper use of the machine

Place the item to be cleaned so it touches the comb at the level of the suction opening...

Cover the photocell with the fabric and press lightly against the comb to start cleaning.

When you uncover the photocell, the machine will stop. With levelling problems due to items which are too small to start up using the photocell, you can use the pedal. (on demand)

5.0 Stopping the machine

During normal use, the machine to the power mains at 220 volt single phase and to the pneumatic system at a minimum of 7 bar pressure, turn the power switch on.

To turn the machine completely off, use the switch.

6.0 Adjusting the support

Loosen the screws on the support and adjust its height as needed. Tighten the screws in order to fasten the support in the position you want.

7.0 Wiring connections

Wiring connections are to the company mains.

Current supplying the device 220 volt single phase 50/60 Hz with ground wire.

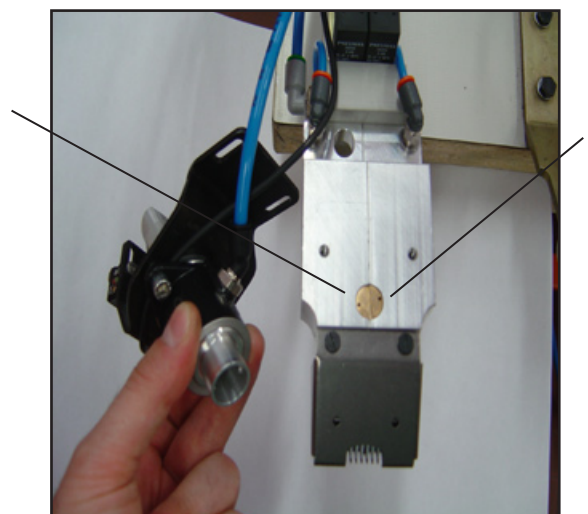
8.0 Cleaning

Every day, clean the levelling head and the surrounding area using a jet of compressed air without any water.

Also empty the cut chain container.

We suggest to sharpen/replace the two blades of the cutting group every 6/12 months, depending on their wear level.

We also suggest to lubricate – by silicon spray oil – the holes indicated on the side picture; to reach the holes remove the orange cover by loosening the 4 fixing screws and then remove the suction unit & photocell holding support.



Safety

0.0 General information

The machine is provided with the necessary and suitable safety devices suggested by good technical practice and provided for by current laws and provided for by current laws and directives, as listed below:

DPR 547/55	workplace accident prevention
DL 626/94	safeguarding the health and safety of the workers
UNI - EN 292 I and II	machine safety
UNI - EN 349	machine safety
CEI - EN 60204	wiring systems on the machinery
law 791/77	reception of EEC directive 73/23 on electrical material
DL 345/99	noise danger limits

The above list integrates the one appearing in the Statement of Compliance enclosed with this UMM.

This UMM is an integral part of the machine; specifically in this paragraph, it contains the safety information mentioned above.

Before putting the machine to work, the Purchaser must make sure that the staff which has been assigned to use it is aware of this UMM, especially the part involving safety notices.

CF ITALIA DENIES ANY RESPONSIBILITY, EITHER CIVIL OR CRIMINAL, FOR INJURY TO PEOPLE OR DAMAGE TO THINGS DUE TO FAILURE TO COMPLY WITH THE INSTRUCTIONS AND NOTICES PROVIDED FOR IN THIS UMM.

1.0 Improper use

The machine described in this UMM has been designed for professional use in the confection industry. Improper use of the machine, or its use by non professional users, may lead to risks not provided for at the time it was designed.

The safety requirements apply to operation in dry and clean environments and for sewing dry garments. The machine must not be installed in an explosive atmosphere.

2.0 It is forbidden to

Use the machine for any purpose other than the one for which it was designed, and/or in a manner different from the way shown in this booklet.

Especially, never:

Use the machine with unsuitable, fluttery and/or wide garments, with jewellery items, long hair not gathered together, etc..

Use incompatible materials, such as plastic, metal, etc...

Use tools to feed the fabric.

Take out the comb, thus changing the position of its component in order to avoid injury to the hands and damage to the machine.

3.0 Signs

In order to warn the operator against hazards in the operation of the machine, warning signs are put up near the work place.

Trouble/Solution

When you put the fabric under the comb, the machine does not start up:

- _ make sure the switch is set at "ON".
- _ make sure the pressure on the pressure gauges is at 7 BAR and 3 BAR.

The switch is properly ON, but photocell doesn't light up:

- _ check photocell connector is properly attached.

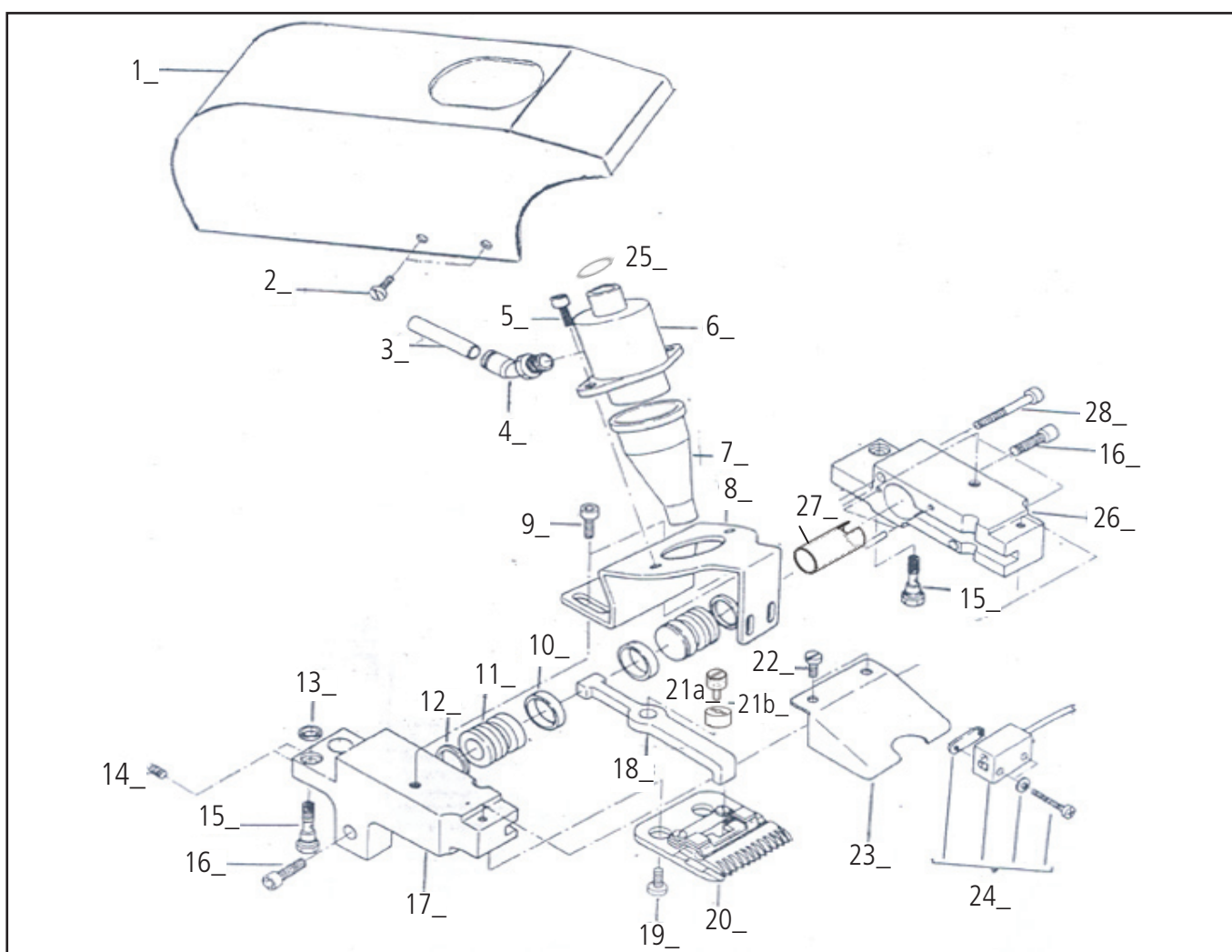
The switch and the photocell are properly ON, the fuse is running, the pressure gauges are pressured, yet the machine does not start up:

- _ call in a specialized CF ITALIA technician.

Exploded view drawings and spare parts

POSITION	CODE	DESCRIPTION	QUANTITY
1_	CF A3300	COVER	1
2_	CF A1118	SCREW	4
3_	CF A1172	PIPE	1
4_	CF A3321	JOINT	1
5_	BM 722442 NICH.	SCREW	2
6_	CF A3315	VACUUM DEVICE	1
7_	CF A3316	MOUTH	1
8_	CF A3313	HOLDER	1
9_	P721454200	SCREW	2
10_	CF A3310/1	RING	4
11_	CF A3309	PISTON	2
12_	CF A3311/1	RETAINING RING	4
13_	P701004000	RETAINING RING	2
14_	P7458122000	SCREW	2

15_	CF A3304	SCREW	2
16_	P722463200	SCREW	2
17_	CF A3307	LEFT CASTING	1
18_	CF A3312	ACTUATOR	1
19_	P300483010	SCREW	2
20_	CF A3301	COMB	1
21a_	CF A3280	BUSH WITH PIN	1
21b_	CF A3281	THREADED BUSH	1
22_	P721412200	SCREW	2
23_	CF A3303/1	COVER	1
24_	CF A3291	PHOTO CELL	1
25_	CF A3315/1	ADAPTER	1
26_	CF A3308	RIGHT CASTING	1
27_	CF A3299	SHEATH	2
28_	P722511200	SCREW	2



ADDITIONAL PARTS		
CODE	DESCRIPTION	QUANTITY
CF A3286/2	TRANSFORMER WITH ELECTRONIC BOARD	1
CF A3292 KIT	FIXING BRACKET	1
CF A3285	GRUPPO TRATTAMENTO ARIA COMPLETO	1
CF A3289 CF A3290	GRUPPO ELETTROVALVOLE	1
CF A3294	CAVO DI CONNESSIONE	1
CF 1046	SCATOLA KIT ELETTRICO	1
CF A3296	PIASTRA ATTACCO KIT ELETTRICO	1

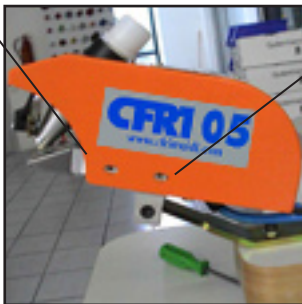
Machine desassembly instructions



1_
Be sure to have switched off and unplugged the sewing machine from the electrical net.



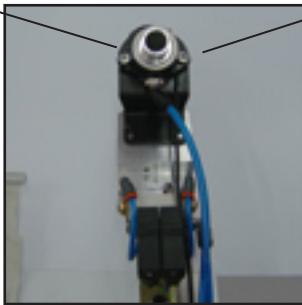
2_
Remove the tube for wastes suction from the head and lay it on the side.



3_
Loose and take the screws out . Pay attention: they are two on the right and 2 on the left side.



4_
Now you are sure to have taken away all lockings. Remove the cover.



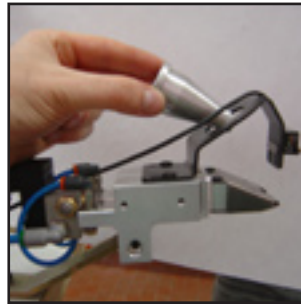
5_
Loose the 2 screws shown on the left picture.



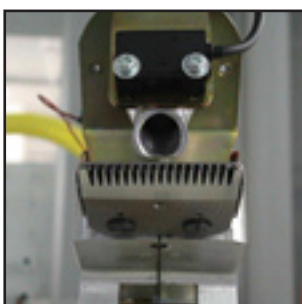
6_
Loose and take away the screws from the vacuuming kit.



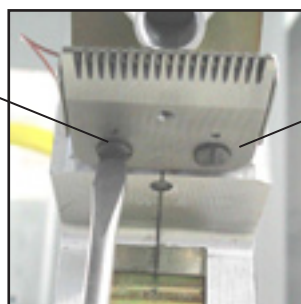
7_
Be careful, do not force any component and disassemble the vacuuming kit.



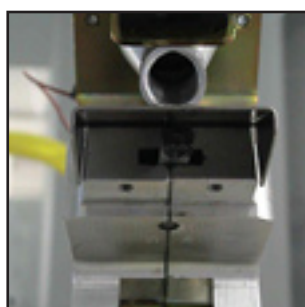
8_
Remove the vacuuming cone and replace it with the new one we sent you.



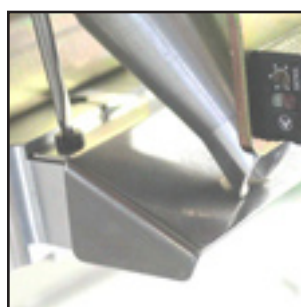
9_
Guide the tube as shown in the picture and re-assemble, repeating point 8-7-6-5.



10_
Remove the 2 locking screws of the shaving thread cutter.



11_
Remove the shaving
thread cutter.



12_
Remove the 2 blocking
screws of the cover.



13_
Now the head of the
machine appears you
without shaving thread
cutter and cover.



14_
Attach the cover,
supplied with this
kit and re-assemble
following point 12.



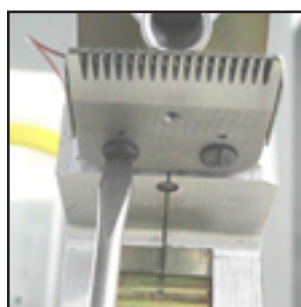
15_
New cover attached to
the head, seen from the
bottom.



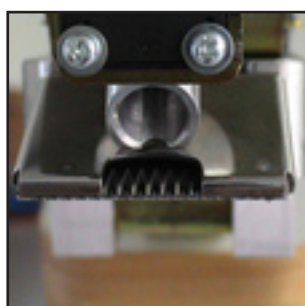
16_
Re-assemble the
shaving thread cutter
combining the 2 locking
screws holes .



17_
The adjustment of the
upper floating knife is
effected is made in CF
ITALIA during sampling.
We suggest not to
touch it.



18_
Gently lock the 2 screws
to avoid any damage to
the threaded aluminium
housing.



19_
Here is the new shaving
thread cutter with the
new kit .



20_
We suggest to use
the pedal only on
small garments where
the photocell cannot
recognise the fabric.



21_
Re-assemble the orange cover repeating steps 4-3-2-1 to connect the wastes collecting tube

Now plug in and switch on the machine again to appreciate the better running assured by the new kit.

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