



*Quality for the world*

**MF20**

**AIR OPERATED HANGER FIXER**



**TECHNICAL AND USER MANUAL**

Version 1 au 04 / 2001

# **MF20 – TECHNICAL AND USER MANUAL**

## **CONTENTS**

Page N°

INTRODUCTION

ACCESSORIES DELIVERED WITH THE MACHINE

SPECIFICATIONS / GUARANTEE

1

OPTIONS

1a

### **PUTTING INTO OPERATIONS**

UNPACKING

SETTING-UP

2

### **ADJUSTMENTS**

SETTING DISTANCE OF HANGER FROM TOP

SETTING CENTER OF LONG/SHORT DIMENSIONS

INSTALLING THE BOTTOM STAMP FOR HANGERS

3

### **USE**

USE OF POSITION STOPS

FIXING HANGERS

4

### **MAINTENANCE**

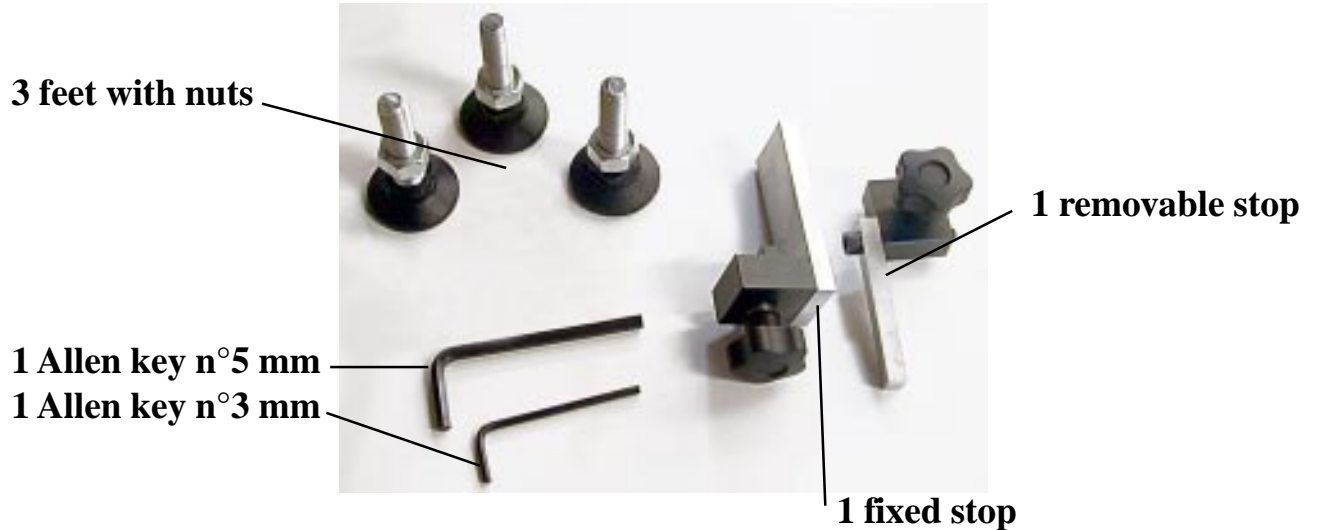
PREVENTIVE MAINTENANCE

5

## INTRODUCTION

*You have just bought a Cassese machine Multifix MF20. We congratulate on your sensible choice and thank you for your trust in Cassese products. The MF20 benefits from the experience of picture framing equipment that brought Cassese a certain reputation. The MF20 is designed to fix special no-screw-no-nail hangers on the backboards of the frames.*

## ACCESSORIES DELIVERED WITH THE MACHINE



## SPECIFICATIONS

<b>MODEL</b>	<b>DESCRIPTION</b>	<b>CONSUMPTION</b>	<b>WEIGHT</b>	<b>DIMENSIONS</b>
MF20P	Pneumatic hanger fixer	2 L per cycle (= ½ US gallon)	60 kg	500 x 550 x 600 mm (20' x 22' x 24')

## GUARANTEE

The MF20 is guaranteed one year for parts and labour against manufacturing defects. Wear parts and those damaged as a result of non-appliance with the instructions of the present manual are excluded from the guarantee.

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>EXPLANATIONS</b>	<b>ADVICE</b>
Z 7400	Stamp for hanger # 1401	With one rosette. Remaining flat, thus ideal for volume framers and for shrink-wrapping	Small frames
Z 7401	Stamp for hanger # 1409	Hinged (articulated) hanger for French hanging systems	Small and medium sized frames
Z 7705	Stamp for hanger # 1413	Pivoting hanger ; can be used with hanging wire and as D-ring	All sizes of frames and mirrors
Z 7397	Stamp for hanger # 1428	Same as # 1409 above but wider	Bigger and heavier frames
Z 7399	Stamp for hanger # 1439	With 4 rosettes	Heavy frames and mirrors
Z 7398	Stamp for hanger # 1490	With 2 rosettes. Comes flat (slightly open), to be lifted by consumer. Excellent for shrink-wrapping	Custom and volume framers ; small and medium sized frames.
Z 7933	Stamp for hanger # 2602	With 2 rosettes – Hanger area larger than # 1490, thus easier to adjust for consumer	Custom and volume framers– Small and medium sized frames
Z 7739	Stamp for hanger LB	Hanger and support for a feet that can be used as strut back (easel) for photo frames	Sizes of feet for small and big frames available
Z 6411	Accessories needed for fixing strut back hinges (easelbacks)	3 sizes of hinges available for strut back photo frames: add one locator part per size of hinge chosen	Add Locator # 32 for most popular medium sized hinges. For bigger hinges add LOC #31, for small hinges LOC # 33

# MF 20

Advised way of fitting :  
AIR LINE FITTINGS

USA

STANDARD



Z 678

Male Connector  
on Machine



Z 678



quick release (Q/R)  
female air connector

Z 749



Q/R US male  
connector

Z 701

Standard hose  
connector

Z 556



AIR SOURCE (compressor)



## UNPACKING, SETTING-UP AND PUTTING INTO OPERATION

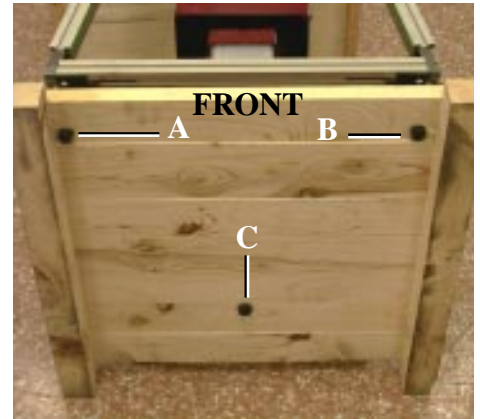
**The MF20 weighs 60kg (133 lbs.), therefore it is strongly advised to unpack and install the machine with the help of a second person.**



With a screwdriver remove the 8 screws that fix the case to its skid base.



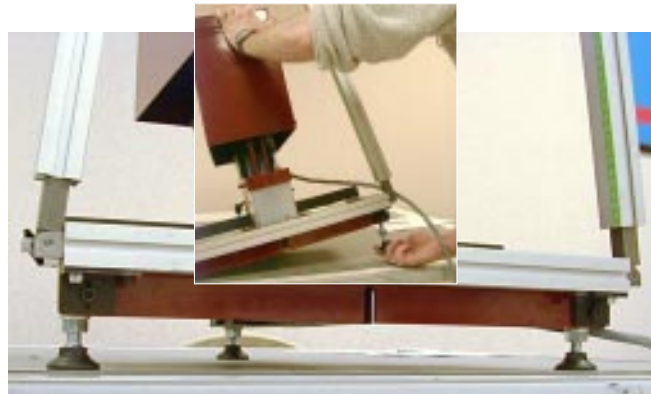
Remove the cover of the case



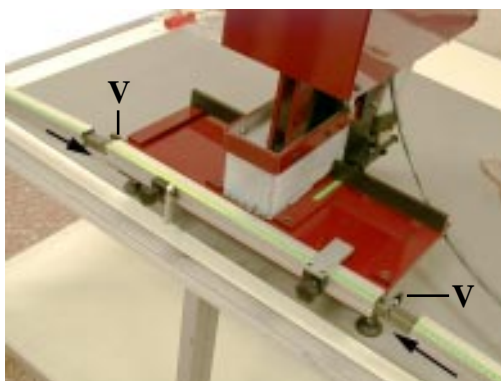
The MF20 is fixed with 3 screws A,B,C to the skid base



Put the MF20 with its wooden base on higher wood pieces to create a bigger space to remove the screws from underneath; you need a 19 mm wrench.



Put the MF20 to its work place ; inclining the machine slightly to the sides, fix its 3 feet with the washers and adjust them so that the machine is not unstable, which is the most important reason for fast mechanical aging for any equipment.



Open down the 2 arms of MF20. Install the fixed measure stop on the right hand arm ; the removable stop on the left hand arm. Now, push the left and right arms fully into the profile that is next to them and block them tightening screw V.



Connecting to compressed air supply: machine equipped with quick release male connector ; the female one is delivered in the accessory box. This can be used with air tubes inside diameter 8 mm. Your source must supply to machine 6 bars (85 psi.) pressure minimum, dry and non-lubricated air.

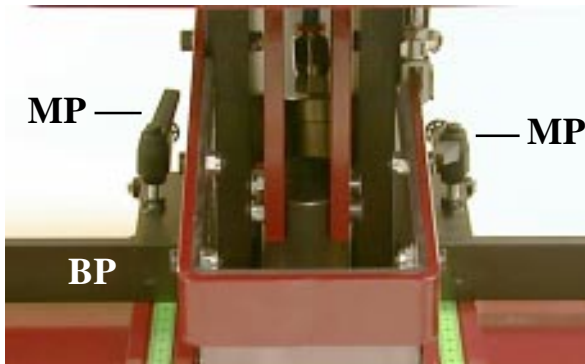


# ADJUSTMENTS

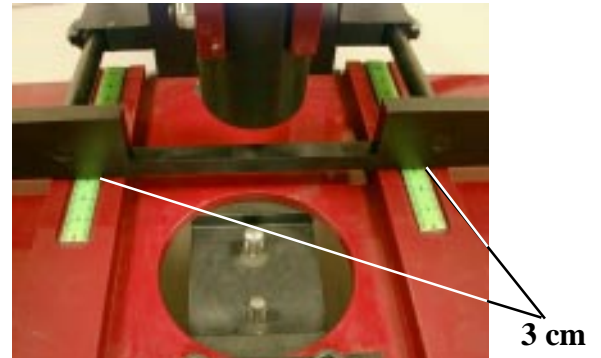
Example:

At 3 cm from the top of the backboard, fixing of 2 hangers # 1428. Backboard dimensions : 20 x 30 cm.

## 1) SETTING DISTANCE OF HANGER FROM TOP OF BACKBOARD



Loosen the 2 handles MP that fix the position of backstops BP.

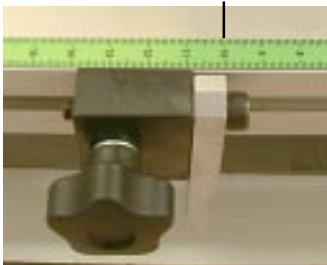


Slide backstop BP to reach 3 cm on the scales underneath and tighten the handles BP. (See fig. 4, page 4)

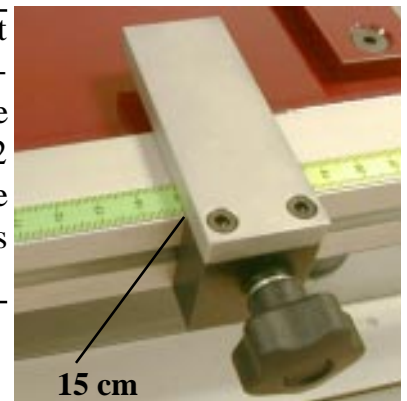
## 2) SETTING CENTER OF LONG AND SHORT DIMENSIONS



10 cm



Use the fixed stop on the right hand side for the center (half) position of the long dimension of the backboard used: you divide by 2 long size of backboard to find the correct setting of fixed stop: in this case,  $30 \text{ cm} / 2 = 15 \text{ cm}$ .



In the same way, use the removable stop on the left side for the center position of short dimension: in this case,  $20 \text{ cm} / 2 = 10 \text{ cm}$ . You can use the removable finger of this stop in lifted position to set it correctly, but bring it to down position while working afterwards.

## 3) INSTALLING THE BOTTOM STAMP FOR HANGER



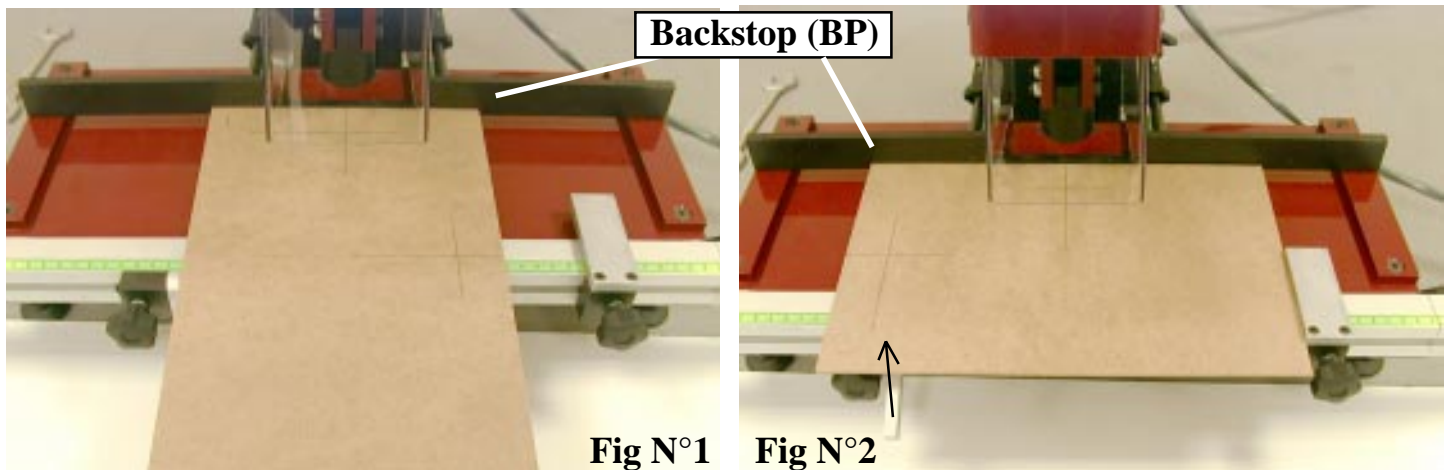
One special bottom stamp for each type of hanger is needed. Install it as shown above on the machine; 2 holes of different sizes corresponding to 2 pins on machine, make sure that you cannot install it badly.

Now, put 1 hanger –with its rosettes up– on the stamp that is magnetic and makes sure that the hanger cannot move easily. Hangers can only be put in one correct way on the stamp.

## USE

**SAFETY:** The front plexi protection cover is part of the safety system of your Cassese MF20. It is forbidden to remove it and to use the machine without the safety cover. The presser head that carries out the fixing of hangers is connected to the safety cover. When the safety cover is open more than 8 mm (5/16") from the machine's work bench, the presser head is prevented from making its travel, protecting operator's hands.

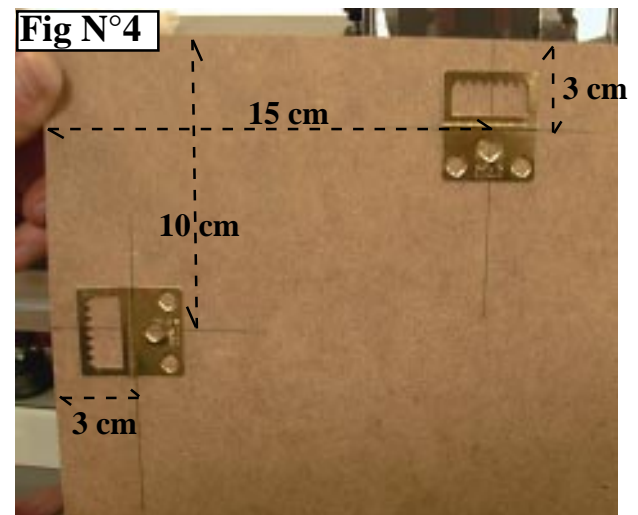
### 1) USE OF POSITION STOPS (see fig. 1)



As the left hand removable stop is used for the short size, engage the backboard into the machine in the sense of the short size, making sure that you are against the removable stop on the left side and the backboard is well against the back stop BP.

To use the right hand fixed stop for the long size (see fig. 2), engage the backboard into the machine in the sense of the long size, making sure that you are well against the fixed stop on the right side of the backboard and well against the backstop bar. In this case, the backboard will be covering the removable stop, but will not be presenting itself inclined, as the removable finger will move up a little to allow the backboard to sit flat.

### 1) FIXING HANGERS



Put one hanger on the machine (rosettes up). You can start with any side – short or long: make sure only to use the correct position stop; left hand *removable one for short size* and right hand *fixed stop for long size*. Keeping the backboard well in place, press the foot pedal fully down; don't release too fast the foot pedal. Give time to presser head to fix well the hanger. Then, remove the backboard, lift plexi cover and load on machine a second hanger on the bottom stamp. Turn the backboard 90° and proceed with the fixing of the other dimension. **To avoid any mistake, it is advised to use the 2 stops as indicated above: left hand removable for short size and the right hand fixed one for the long dimension of backboard.**



## MAINTENANCE

**BEFORE ANY TECHNICAL INTERVENTION, MAKE SURE THE MACHINE IS DISCONNECTED FROM THE COMPRESSED AIR SOURCE.**

### PREVENTIVE MAINTENANCE

Lubrication: it is advised to open the machine's main frame to grease once every six months these 2 articulations.

