Cassese®
Quality for the world

CASSESE MF30
AIR OPERATED
COIL-FED
HANGER FIXING MACHINE

OWNERS TECHNICAL MANUAL

Version 2 - 02/2002

Cassese / Communication
## OTHERS CASSESE MULTIFIX MACHINES

TO FIX SPECIAL* HANGERS & STRUT-BACK HINGES

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<th>Description</th>
<th>Consumption</th>
<th>Weight</th>
<th>Dimensions</th>
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<tr>
<td>MF10</td>
<td>FOOT OPERATED MACHINE</td>
<td>NIL</td>
<td>32 KG (71 LBS)</td>
<td>800 X 600 X 1250 MM 32&quot; X 24&quot; X 50&quot;</td>
</tr>
<tr>
<td>MF20</td>
<td>AIR OPERATED</td>
<td>2 L / CYCLE</td>
<td>60 KG (133 LBS)</td>
<td>1500 X 550 X 600 MM 60&quot; X 22&quot; X 24&quot;</td>
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_HANGERS & HINGES for FRAMES’ BACKS_

_For PHOTO FRAMES, STRUT BACK FRAMES, MIRRORS..._

(* Self fixing: no screws or nails needed)  (Sizes are not actual)

**Hangers & Hinges for Frames' Backs**

*For Volume Production Economical (no machine needed)*

- **1447** & **1427**

*Special Volume Production*

- **1408**
- **1401**
- **1475**

*To be fixed on frame's moulding (ideal with hanging wire)*

*For Mirrors / Heavy frames*

- **1409**
- **1406**

*To be fixed on frame's moulding*

*For Gallery Hanging Systems*

- **1428**
- **1439**

_Hanger for backboards (Special for French hanging systems)_

*For custom or volume framers*

- **2602**

*For Wire Hanging or as D-ring*

- **1413**

**Special For Foamboard**

- **1419**

_Hinges For (easel) Strut Backs (Photo frames)_

- **6234 & 6229**

**In coils for volume production**
# MF 30

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### MF 30 AIR LINE FITTINGS

**Advised way of fitting:**

- **USA**
  - **MALE CONNECTOR**
    - Z 675
  - quick release (Q/R) female air connector
    - Z 749
  - Q/R US male connector
    - Z 701
- **STANDARD**
  - **MALE CONNECTOR**
    - Z 675
  - Standard hose connector
    - Z 556

**AIR SOURCE** (compressor)
INTRODUCTION

You have just received your Cassese MF 30 hanger fixing machine for picture frame backboards. We congratulate you for your choice and thank you for your trust in original Cassese picture framing products.

ACCESSORIES SUPPLIED WITH MACHINE

- 4 support feet for machine* - 4 washers for these feet*
- 1 quick release female air connector for the male one that is on machine / 1 quick release US male connector / 1 hose connector /
- 1 spiral spring* - 4 Allen (hexagonal) keys no 3-4-5-6 mm
- 1 arm with support foot* - 1 screw - 1 fixed stop -1 removable stop
- 1 tube of grease - 1 grease pump

* : Valid from machine S/N 78 : 6 support feet for machine + 6 washers for these feet +1 arm.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Pressure needed</th>
<th>Consumption</th>
<th>Weight</th>
<th>Dimensions</th>
</tr>
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<tr>
<td>MF30</td>
<td>COMPRESSED</td>
<td>6-7 bars (100 p.s.i.)</td>
<td>2 l / cycle</td>
<td>115 kg</td>
<td>2400 x 650 x 1450mm</td>
</tr>
<tr>
<td></td>
<td>AIR OPERATED</td>
<td></td>
<td></td>
<td>256 lbs</td>
<td>96” x 26” x 58”</td>
</tr>
</tbody>
</table>

OPTIONS

NIL for the time being.

WARRANTY

The MF30 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.

IMPORTANT (Valid from machine S/N 78)

Fit and firmly secure the roll support shaft (S) on the upright of the stand using the screw supplied (6 mm allen key). Insert plate F on spindle S as shown above and firmly secure it with screw VF (3 mm allen key). Put the hanger roll in place and then fit the outer plate on spindle S, pushing it flush with the hanger roll carton and securing it with handle M.
PUTTING INTO OPERATION
UNPACKING & SETTING UP

**Tolls needed** (but not supplied with machine) : star (Phillips) screwdriver + Allen key no 10mm

**AS THE MACHINE MF30 WEIGHS 110 KG WE STRONGLY ADVISE TO BE ASSISTED BY AT LEAST ONE PERSON FOR UNPACKING & INSTALLATION.**

With a star (Phillips) screwdriver, remove the 8 screws on the 4 sides near the bottom of the packaging. Remove then the upper cover of the crate; the machine is now sitting on its support pallet.

**MF 30** is fixed to the pallet with 4 hexagon screws. Remove them with an Allen key 10 mm (not supplied).

After removing the machine off the pallet, fix its 4 feet each time with a washer, by inclining the machine to the sides. Once the machine is at its work place, make sure that it is well levelled, by adjusting its feet if necessary. Be aware that vibrations because of badly levelled work position are the most important reason for fast mechanical ageing of all machines.

Fix now the arm BS with screws A & B, then adjust its horizontal level with its feet P1 & P2. (see next picture)

Fix and lock tightly now the axis of the coil support (S) with an Allen key # 6mm (supplied).

Put now the disc without hole on axis S.

**Machine S/N 78 : see page n°1**
For safety during transportation, the protection of hanger strip is dismounted; fix it on the arm BS with the 2 screws V1 & V2 and with allen key # 6 mm supplied.

Connect its air tubes: (ROUGE =) red tube to the left and (BLANC) white tube to the right.

**CONNECTING MACHINE TO COMPRESSED AIR**

Use an air tube that can stand the maximum pressure of the source and with internal diameter of 8mm.

Compressed air supplied must be dry and without lubrication, at minimum 6 to 7 bars (100 psi).

Connecting to machine: SEE PAGE A.

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EU standard male air connector fixed on machine. An additional USA standard one is supplied, if you wish to change.

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**IMPORTANT**

When the protection of hanger strip is open, the locator pin of the feeding system removes itself. Closing the protection, locator pin lifts to work position.
Open now the right and left arms of MF30 and put the fixed stop on the right hand arm and the removable stop on the left hand arm. Push now the arms fully in and tighten them with Allen key #3. (If you are going to load a hanger coil on machine, no need to push in the left hand arm yet.)

**LOADING OF A NEW HANGER COIL ON MACHINE**

The protection cover of hanger strip must be open

Loosen the screw of the left hand arm of the machine and pull the arm out of its housing, lift now the arm in vertical position. Place the coil of Cassese hangers (see page 2) as shown in the picture here against; check sense of hangers. The rosettes of the hangers must be on top and towards the front of the machine. Now put the 2nd disc (with a hole) on support S against the coil of hangers. Lock its position with the pin G. Bring now the start of the hanger coil on support SB and engage it into rail C.

Make sure the position of the support SB is similar to the picture below; for adjustment, use the Allen key #5 supplied. Bring down the left arm of the machine and push it fully in its housing and lock tightly its screw.
LOADING CORRECTLY THE STRIP OF HANGERS

To loads the strip of hangers, turn the machine off the air supply first. Make sure that the locator pin (D) of hanger feeding system is always located in the rosette to the right of the separation window F (circled in the picture opposed). See left picture before engaging hangers; the right picture after correct loading of the strip.

ADJUSTMENTS

Example: Fixing of two Cassese hangers # 2702 on a backboards of 24 x 30 cm (approx. 10”x12”) at a distance of 3 cm from top (approx. 1¼”)

1) ADJUSTING DISTANCE FROM TOP OF BACKBOARD

Loosen the two handles MP that lock position of distance bar BP.

Slide now BP to the distance needed (3cm) and tighten the handles MP again.

2) ADJUSTING CENTER POSITION FOR SHORT / LONG SIDES AT THE SAME TIME

Use the fixed stop on the right hand side for the centre (half) position of the long dimension of the backboard used: take the half of the long size of backboard to find the correct setting of fixed stop: in this case, 30 cm / 2 = 15 cm.

In the same way, use the removable (flip) stop on the left side for the centre position of short dimension: in this case, 24 cm / 2 = 12 cm. You can use the removable finger of this stop in lifted position to set measure correctly, but bring it to down position while working afterwards.
USE OF MACHINE

IMPORTANT: maximum thickness of backboards = 6 mm

SAFETY: The front cover of the machine is an essential safety element. It is forbidden to dismount it or to modify the machine to use it without this 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.

CONNECTING TO COMPRESSED AIR (See page 3)

Use an air tube that can stand the maximum pressure of the source and with internal diameter of 8mm. Compressed air supplied must be dry and without lubrication, at minimum 6 to 7 bars (100 psi). Connecting to machine: female quick release connection is supplied with machine.

1) USE OF POSITION STOPS (AIR SUPPLY CLOSED)

We advise you to make a trial of the use of position stops, without air on machine, to avoid fixing hangers on the backboard while trying.

Fig 1) To present the backboard to the machine with its short size, keep first the left side of the board against the removable (flip) stop, then push the board well against the distance bar. Fig.2) To present the backboard to the machine with its long size, keep the right hand side of the backboard against the fixed stop (in this case, the left side of the board will be sitting on the removable stop which comes up slightly under the pressure of the board allowing the board to come to perfectly horizontal position.) Then push against the distance bar BP.

2) FIXING HANGERS ON BACKBOARDS

Bring down the front protection cover. Make sure that the valve of air supply is OPEN. The presser head is in work position and the locator pin of the feeding system must be now located in a rosette to the right side of the hanger separations. Present the backboard against the stop adjusted for its size. As soon as you bring the backboard against the distance bar, hanger release button will be activated and will fix a hanger underneath of the backboard. Short or long side of the backboard can be presented in any order; the only rule to respect is to use the stop adjusted for that side; i.e. the fixed stop for the long side and the removable (flip) stop for the short side.
MAINTENANCE

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

PREVENTIVE MAINTENANCE (Lubrication: Once every 6 months)

It is advised to open the machine’s main frame to grease once every six months these 2 articulations.

HOW TO USE GREASE PUMP

Remove the cover, than the cap, pulling from the ring. Fill with grease (tube supplied) the reservoir of the pump. Fix back the cap.

Bring the pump’s nose E against the areas to be lubricated (E1, E2, E3, E4) and press on the nosepiece so that it come is release some grease.

LUBRICATION OF THE BOTTOM LEVER AXIS

You can either:

Access to the point E5 that is to be lubricated by inside of the machine; opening the door of the machine. Lubricate the point E5 with the grease pump.

Or

Remove the 2 screws V1 & V2 of the right hand frame of the machine (with allen key # 3 supplied). Lubricate the point E5 with the grease pump. Fix now back both frame covers of the machine.