

HUMAL Elektroonika ,Tartu, Estonia

**FlashStamp™ moulding machine
HEF-5100 (HEF-3100)
user manual**

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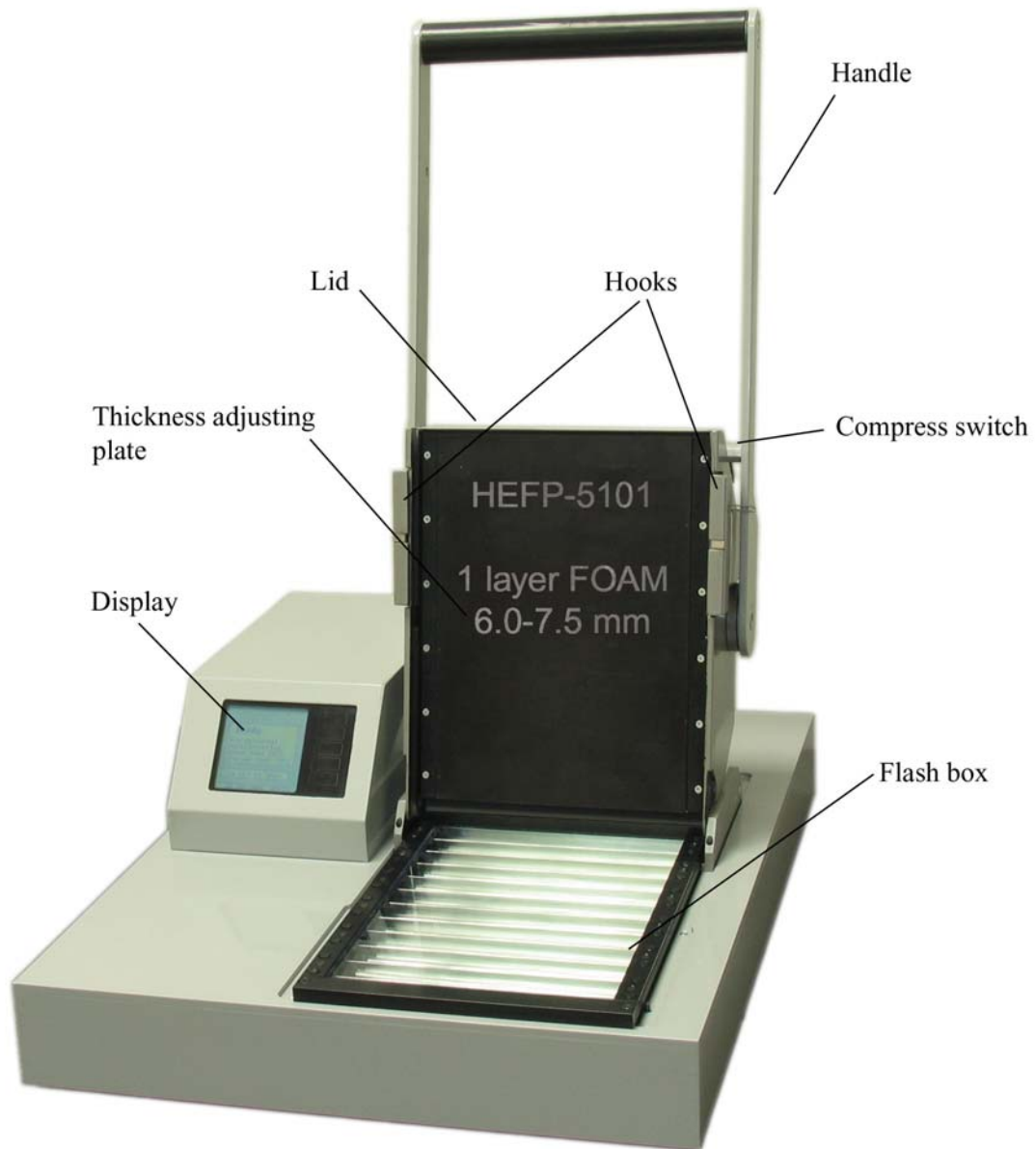
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1. Packing list

1. FlashStamp™ moulding machine unit
2. Power cord (locally sold IEC cable can be used instead of supplied cable)
3. Replacement fuse (optional).
4. PC connection cable (optional). Required only for troubleshooting
5. Operator manual (download latest version from www.humal.ee)



2. Overview

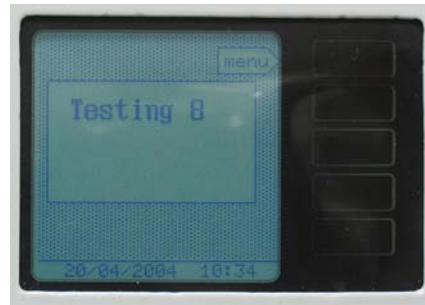


3. Starting up

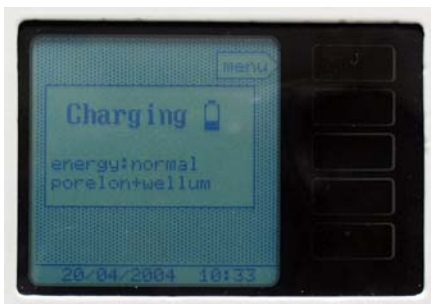
1. Keep DS at the room temperature at least a few hours before usage
2. Place the machine to the table. Make sure air could freely circulate from ventilation holes behind flash chamber.
3. Connect power and make sure machine is switched to correct voltage.



4. Keeping lid closed switch on the machine and wait while machine perform test. During tests machine show test numbers and you could notice that different tests last variable time. It also depends how long machine have not been unused between tests.



5. If lid is open during the test machine is unable to complete tests and error message will be displayed. In such case close the lid and tests will continue. For other errors please see the Troubleshooting section of the manual.
6. If test pass correctly it will go to operation mode and charging and thereafter Ready will be displayed.



HEF-5100 FlashStamp™ moulding machine is ready to operate.

4. Operating the equipment

For best moulding results equipment must know the material used to adjust Flash energy accordingly.

Absolutely you should verify the correct material, cartridge or mount thickness adjustment is installed to machine. Thickness setting can be read from the compression plate. (See section 2. Overview)

Wrong adjustment can broke the machine. See thickness adjustment section.

1. Prepare typesetting in the computer. You can use full area of the glass platen for exposure even tight toward sides.
2. Open the lid and place typesetting to the glass platen
3. Cover typesetting with separation film.
4. Place dies, cartridges or sheet foam material to the glass.



5. Close the lid, press compression switch and turn handle until limiter.



When compression switch is pressed and you move the handle hooks will attach to the lower part of the flashbox automatically.

6. Machine will make flash automatically when handle reach to the limiter.
7. Open the lid and take out moulded dies.

When making several flashes within the short period of time the glass platen temperature will rise. Equipment measures the glass platen temperature and adjust flash energy accordingly, although for sharp details or photo stamps the best results will be with lowest possible glass temperature.

It's also possible to manually adjust flash energy in *menu* -> *flash config*

5. Changing foam thickness adjustment plate

1. Open lid
2. Press compression switch and move handle backwards



3. Press thickness adjustment plate slightly towards the lid and move upwards from its lower end.



4. Verify it pass freely the front cover edge of the lid.



5. Insert new plate reverse manner and check it's aligned with the lid plate in the lower end.

6. Connecting to PC

Only required for troubleshooting purposes and specific instructions will be e-mailed.

7. Troubleshooting guide

1. Machine don't start up.

Verify cable and fuse back of the machine.

2. Can' make flash. Display message "Wait! Cooling!"

Too many flashes are made within short period of time. Also verify that air circulation openings of the machine are not covered.