



OPUS MasterPress EMD DEEP

EN User guide

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1 HEALTH & SAFETY

- Before operating the equipment, you must read the health & safety instructions, manufacturer's recommendations and the operation manual.
- The user's guide/manual should be easily available at any time for the operator.
- The equipment should be fitted to the stand supplied and placed on a strong solid floor, to ensure safe operation.
- We recommend that you screw the base to the floor where possible.
- The equipment should be,
 - protected against moisture and dust.
 - must not be placed close to heating and ventilating units.
 - must not be used close to flammable gases and liquids.
 - must be supplied power through the original cable which must be protected against damage.
 - not be used to move the equipment or to pull the plug from the socket.
 - when using, do not touch the heater head – **Danger Burn Hazard!**
 - do not use the equipment for any other purposes other than those described in the operating instructions.
 - must be supplied with power through the original cable connected to a correctly earthed power socket.
 - a power socket should be provided, in accordance with electrical and earthing regulations.
 - the supply voltage should be the same as on the technical label on the back and specifications in the technical data sheet. Failure to do so may result in an electrical shock or fire and cancel the guarantee.
- Making any changes to the electrical system or power supply cable could cause a **FIRE HAZARD** or electric shock plus cancel the guarantee.
- Before replacing the 8-amp fuse which protects the electrical system, remove the plug from the power socket, which is next to the power-switch on the back of the equipment.
- It may be necessary to change a fuse on the internal power supply board contact the service team or a qualified electrician.
- If the old fuse is burnt and the **NEW** fuse goes again, **CALL THE SERVICE.**

- During none use of the equipment, remove the plug from the power socket.
- Before removing the housing from the equipment, remove the power plug from the socket.
- When removing a frame from the heater, always hold the plastic handles do not touch the metal components. **BURN HAZARD DANGER!**
- Before replacing the typeface or Matrix/logo in the frame assembly wait 10–15min, to be sure that the components have cooled down.

BURN HAZARD DANGER!

- The unit must be operated according to general Health & Safety rules.
- Keep body parts, hair, hands, fingers and loose clothing away from the moving components.
- The MasterPress EMD must be operated by one person only for safety, keep people away at a safe distance.
- Keep the equipment away from and out of reach of children and animals.
- All repairs must be carried out by an authorized engineer during the guarantee period.
- Do not use any petroleum, solvents or chemicals when cleaning the equipment.
- The equipment is designed to work in a normal temperature room.
- The device should not be operated over 2000 meters above the sea level.

2 SYMBOLS

HEALTH & SAFETY		CAUTION! Hot surface		Ground / Earth
fuse T8 A		8 Amp slow acting fuse		

3 GENERAL INFORMATION

MasterPress EMD was designed for hot print stamping and embossing on book covers, paper, card and covers with a textured surface, leather and other types of material using a wide range of colored tinsel foils like gold, silver and other colours. It is also possible to stamp on plastic covered and plastic covered card.

You must run tests on all types of material first, to check the suitability, quality and temperature.

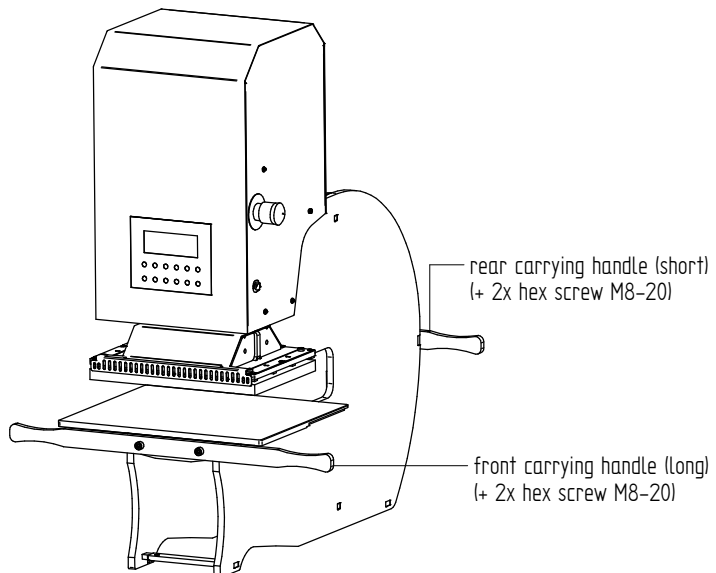
The advantage of loose typeface fonts, see the range of fonts available in many languages from OPUS, enables the creation of any required text, inscription to be put on to any cover or even ready bound books to personalize them or other surfaces. You can also prepare special matrixes, logos and inscriptions. Ask the supplier for details regarding increasing the possibilities of the MasterPress EMD equipment.

The operation of this equipment does not require any special qualifications.

Before using the MasterPress EMD, please read this manual carefully, you can also talk to your supplier as well who can advise you and give you some guide lines.

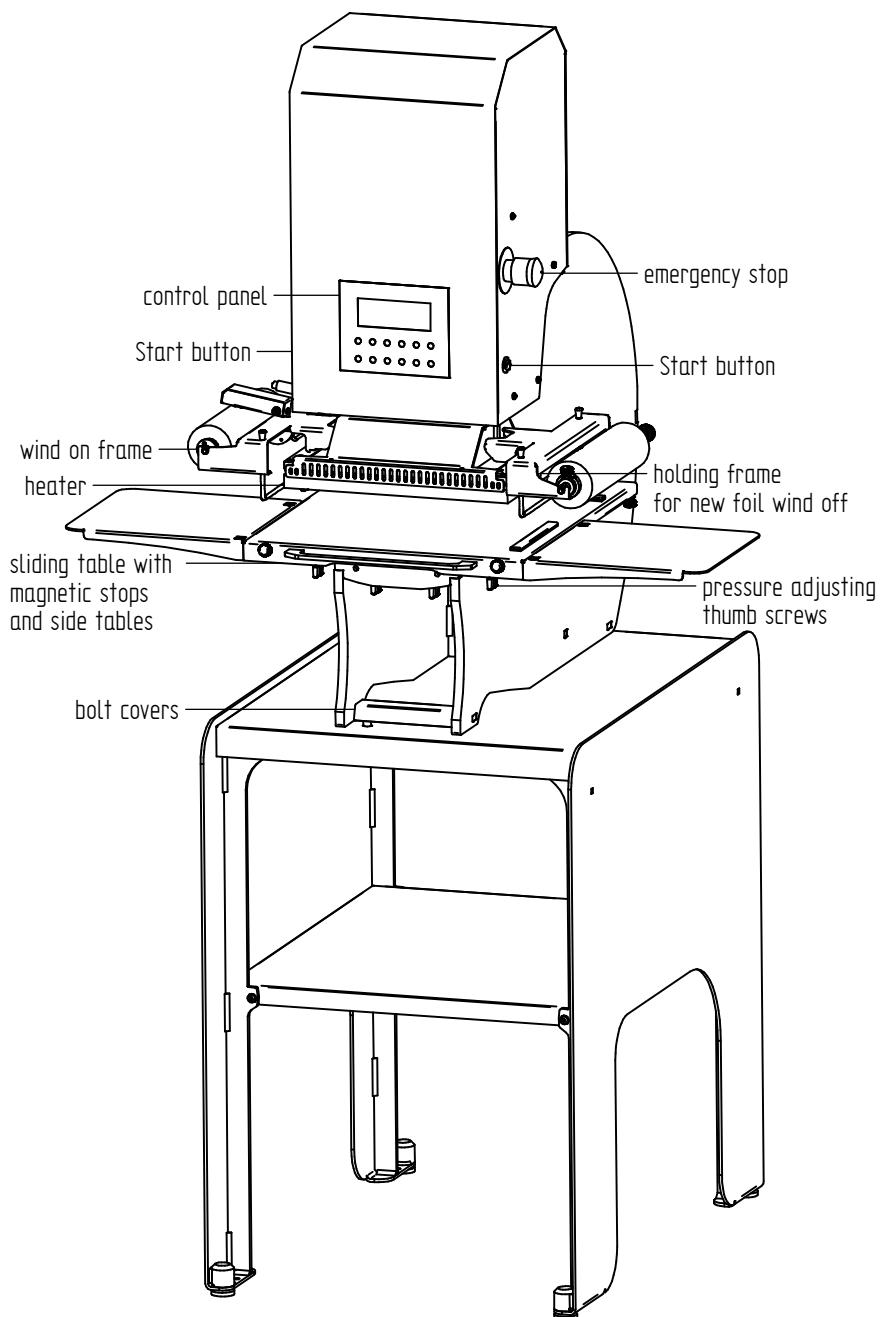
4 TRANSPORT AND STORAGE

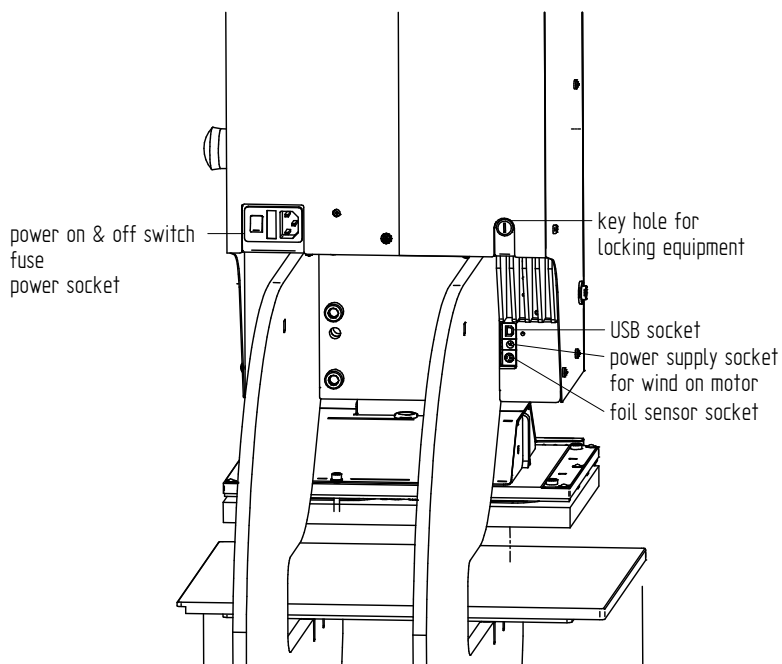
- MasterPress EMD has electronic panels, heater and electric motors, designed to be operated in office conditions. Both the equipment and the packaging must NOT be stored outside or expose to rain, damp, or moisture.
- **If the equipment is exposed to rain, damp, moisture or flood, it is necessary to have the equipment inspected and serviced to avoid the risk of fire or electrocution!**
- The equipment can be transported and stored in low or high temperatures.
- If stored in low temperatures, before switching on, it is recommended that you leave the equipment in a room at normal temperatures for a day to avoid condensation on electric circuits causing damage and electrical shock.
- The packaging protects the equipment against light knocks and low vibration, but careful handling is recommended.
- For transportation purposes, the equipment has been attached to a wooden pallet. Because of the weight moving the equipment by a pallet trolley is required.
- MasterPress EMD comes with metal lifting handles, which should be attached as shown in the diagram below, by 6 mm Allen key socket head bolts in the pre-drilled and tapped holes, to lift the equipment when assembling and fitting it on to the stand/legs.
- During transportation, the EMD must have the heater head lowered on to the table with a sheet of thick card between the head and the table to protect the paint and the heater against damage.



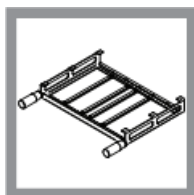
Due to the high weight and dimensions of the device. Carrying it requires 3 or 4 people in accordance with Health and Safety regulations. The equipment comes with 2 lifting handles which must be bolted in place to lift, as shown above.

5 DESCRIPTION OF EQUIPMENT AND ACCESSORIES

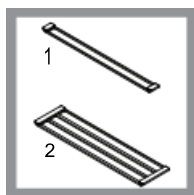




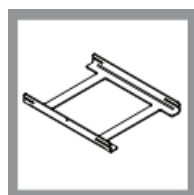
Accessories supplied



O.MASTER FRAME MP01/
MP02



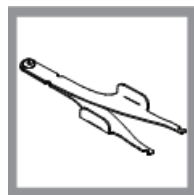
Examples frames
1. O.SINGLE FRAME MP01/
MP02
2. O.FRAME MP01/MP02



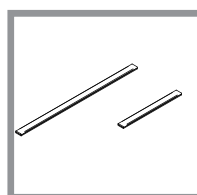
Carrier for
O.SINGLE FRAME MP01/
MP02
O.FRAME MP01/MP02



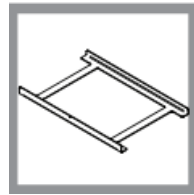
Tweezers for lifting
typeface fonts



Tong for lifting
frames

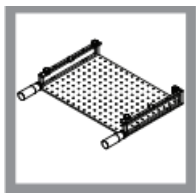


Magnetic stops

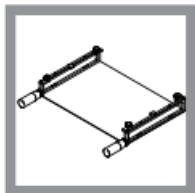


Carrier for O.MASTER
FRAME MP01/MP02

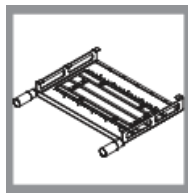
Optional accessories



0.SCREW MATRIX BASE
MPo1/MPEMD with handle



0.MATRIX BASE MPo1/MPEMD
0.MATRIX FRAMEWORK
MPo1/MPEMD



0.LONG FRAME 1L9 2L16
1L5.5 MPo1/MPEMD



0.MATRIX FRAMEWORK
MPo1/MPEMD



0.GOLDCHANNEL BASE
MPo1/MPEMD



0.GOLDCHANNEL BASE
MPo1/MPEMD LONG

MasterPress EMD is constructed on the basis of an electric concentric press. It is equipped with a heater, microprocessor controller, LCD display panel, giving precise temperature setting guaranteeing constant operating conditions. A frame for holding typeface for creating inscription or matrixes/logos which fits on the heater and stamping plate. The side guides for positioning of the project to be stamped or embossed. Adjustable stamping bed surface to ensure the best results when using large matrixes/logos. Height control when stamping thin and thick projects to save time. Automatic electric foil feeder saving time, plus you can adjust how much foil is used, with a maximum width of 230mm. It is also possible to use single sheets of foil. We recommend that you use tinsel and coloured foils supplied by Opus the manufacturer of this equipment. Using other types of tinsel and foil can affect the quality.

6 INSTALLATION AND ASSEMBLY

The crate contains, MasterPress EMD unit, partly assembled stand/legs, shelf, tabletop, a box with accessories and screws for assembling. We recommend that you keep the crate and packaging during the guarantee period in a dry place. The equipment must be assembled on a strong and stable flat surface. Remove the outer wooden crate by unscrewing the M10-30 screws with the 8 mm Allen key supplied, remove all loose parts and the cardboard box with the accessories and screws.

Remove the partly assembled legs from the pallet with the Allen key supplied, now making sure it is level.

Fix the shelf to the structure (legs) with the M5-10 screws supplied, using an Allen key 3. The shelf is an element that transfers the table's load, therefore its installation is necessary. The press must not be mounted on a stand without the shelf fitted!

Now fit the tabletop. Pay attention that the holes in the tabletop are in line with the holes in the cross members before putting the Masterpress EMD unit on the stand/legs. MasterPress EMD comes with 4 metal lifting handles, which should be attached as shown in the diagram in chapter 3, by 6 mm Allen key socket head bolts in the pre-drilled and tapped holes, to lift the equipment when assembling. Now lift the EMD on to the stand/legs, Now using the 4 M10-55 bolts which helled the EMD unit to the pallet screw them in loosely then when all 4 bolts are in place, ensure they are lined up then tighten firmly.

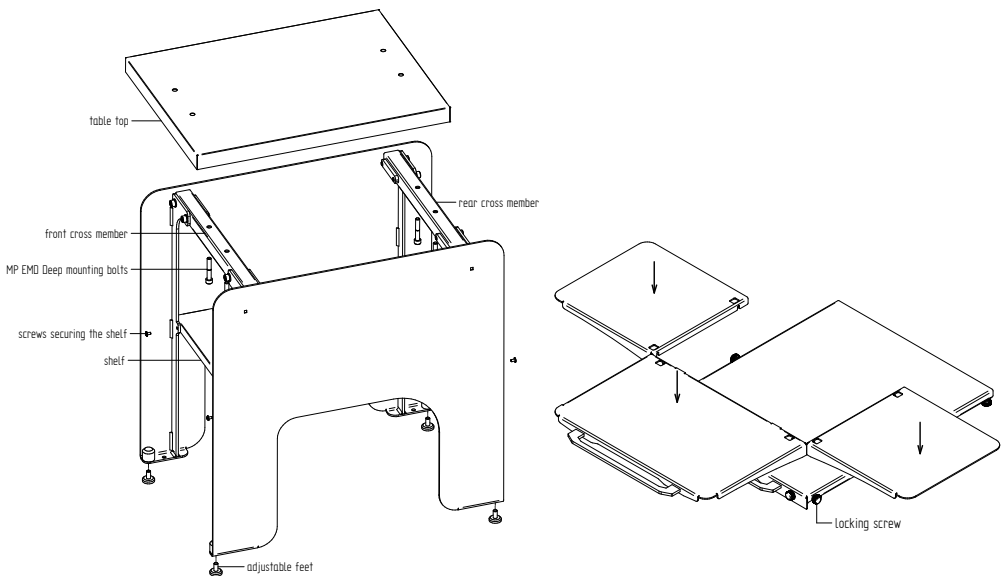
- Install the 2 mounting bolt covers. The covers have self-adhesive strips to help with their assembly
- Put the side extension tables with the notches on the loosened table fixing screws, then secure them by tightening the screws.
- Fit the foil wind on frame to the equipment and put the plug in to the appropriate socket.

Installing the front extension table.

- The front extension table is used only when working on a larger materials, eg when the C-Bind A4 covers which extend to A3. It is not necessary to install it for every use.
- Installing the front extension table, is done by slotting on to the fixing screws and tightening the screws.

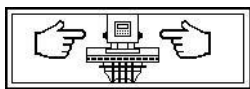
Attention!

If the equipment has been exposed to freezing temperatures for a long period, before switching on, allow 12 hours in a normal room temperature to warm up. Due to the possibility of condensation, that may build up on the circuit boards and metal surfaces inside the unit.



The device can be supplied power by the original power cable. The socket must be earthed in accordance with regulations. The supply voltage must be consistent with the parameters specified on the label located on the housing. Failure to follow these rules may result in an electric shock and fire.

7 OPERATION AND USING THE CONTROLLER



When you switch the power on (located at the back next to the power socket) the control panel will display the program version, and then you will have to press the two buttons, shown in the icon below, this will start the test and go through the calibration sequence. If all is clear and no errors, you will see the MAIN MENU on the display.

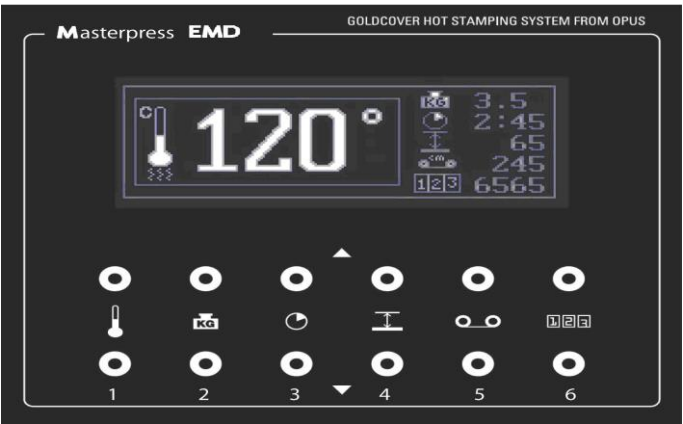
Warning!

At any time you may see on the display, symbols informing you that there is an error, and the interlock has been activated which will prevent further work, see – Chapter 10

After a successful completion of the test, you will hear a double beep signal plus OK on the display, release the buttons. On the display will appear the factory settings for operation:

- Heater temperature
- Stamping pressure
- Time of stamping
- Height of heater from the table bed
- Foil wind on in cm
- Stamping counter

CONTROL PANEL WITH DISPLAY



CHANGING SETTING ON THE CONTROL PANEL

Press the button under the Icon you want to change once, and you will hear a bleep and the pre set tolerance will be displayed. Now press again and the numbers will change, top button to higher, bottom button to lower, when you get the tolerance required, stop and wait for 2 seconds and you will hear a bleep again and above you will see on the right side, the tolerance you have set displayed.

1.  The thermometer shows the current temperature of the heater. After changing the temperature, it reverts to the current temperature of the heater until it reaches the new setting. The temperature range is from 30 to 190°C, and can be raised or lowered by 1 point at a time. It also can be changed from Celsius to Fahrenheit, the symbol (°C or °F) which can be seen next to the top of the thermometer icon. To change from °C to °F switch off the power, then press and hold the top button above the thermometer icon now turn on the power; when the icon appears, release the button. To change back to Fahrenheit °F just repeat the process.

After switching on the EMD or changing the temperature, when the set temperature is reached a single beep can be heard and the thermometer symbol stops flashing, now you are ready to work .

You can work with the heater off, when embossing or die cutting. To switch off the heater just press the decrease heat button for a few seconds to decrease temperature to 0 (this is confirmed by a cross under the thermometer symbol on the main display plus a bleep signal tone).

2.  Stamping Pressure: Is from 0.5 up to 10 units, which can be raised or lowered by 0.5 each time, 10 being the highest stamping pressure. There is an automatic repeat function, which can be set, the displayed shows 10 x 2 and 10 x 3, which is used when, die cutting fine windows and delicate shapes.

Attention!

If the display shows (OVL) you must lower the pressure with the controller.

3.  Timer: Shows the stamping time, ranging from 0 to 9.00 minutes.
4.  Heater head offset from the print bed is from 10 to 60 mm (in steps of 1mm). Although the automatic system will find the height of the material. When the heater head withdraws, it will go to the maximum height of 60mm.

To speed up the stamping process you can set a lower withdrawal height using the buttons on the control panel.

WARNING CRUSH AND BURN HAZARD

Ensure that you OR anybody does not have hands or anything under the heater plate when changing the height setting, if you press and hold the heater head down button it will drive downwards and not stop until you remove your finger from the button.

5.  This symbol is for how much foil can be regulated to be moved automatically. The display shows the units from the set value to zero (i.e. 50-0). There are two methods, manual or automatic, indicated by the symbols "S" for manual and "CM" for automatic which will appear when you plug in the winding motor sensor.

Manual method:

Using sheets of foil, ensure that you unplug the motor or set it to "0"

Semi-automatic method:

1. 0 to 300 units in units of 5 using just the winding motor.
2. When you set "0" the winding motor does not work.
3. As the used foil gets wound on to the roller on the motor side it will change the amount of foil moved from the unused foil side, for this reason you must CHECK and change the setting very often.
4. In order to save time and not make too many changes to the wind on settings, remember to remove the used foil when it gets about 1 cm thick.
5. Should you see that the foil has not moved on enough, you can press and hold for over 2 seconds either the top or bottom button (number 5) to move the foil till you get the right position. to stop remove your finger. It will return to the normal view showing the temperature. (only when the motor is plug in to the socket on the back of the equipment).

Automatic method with sensor:

1. Movement of foil from 1 cm up to 32 cm.
2. When you set "0" the winding motor does not work.
3. The amount of foil on the rollers does not influence the amount of foil moved, due to the sensor.
4. The sensor indicates on the display when to remove the excess used foil from the roller. to keep a high standard, remove the used foil immediately.
5. Should you see that the foil has not moved on enough, you can press and hold for over 2 seconds either the top or bottom button (number 5) to move the foil till you get the right position. to stop remove your finger. It will return to the normal view showing the temperature. (only when the motor is plug in to the socket on the back of the equipment).

6.  Counter icon: Tells you the number of stampings made from the moment you turn on the power. Using the upper and lower buttons, you can change the numbers indicated on the counter. Press and hold for 2 seconds either of the buttons will resets the counter to 0. You can use this function when stamping large runs of the same project.

Emergency stop and blocking the equipment

In an emergency, when the heater head is moving down, by releasing the 2 START buttons it will stop and the heater head will slightly raise. In other emergency situations press the red emergency stop on the side of the control panel, this will stop all movement. To release pull out the red button.

If you need to stop unauthorized use of the equipment use the key:

When using the key to disable the unit you will see a flashing key on the led display, to release the equipment turn the key and you are ready to work, **when you use the key the power is not turned off.**

When using the emergence stop button, you will see a flashing button, pad-lock and book on the display, to release the equipment pull the button out then you will see the recalibration symbol, press the 2 start buttons to complete calibration.

If both systems have been used you will see all the symbols one after the other, see above.

8 PREPARATION OF TYPEFACE FONT AND MATRIX TEMPLATES

Typeface fonts are mounted in to the 0.MASTER FRAME MP01/MP02 by using either, 0.SINGLE FRAME MP01/MP02 or 0.FRAME MP01/MP02 appropriate to the size of the typeface font required. There are many other frames and combinations of typeface fonts sizes offer, ask the supplier for details.

1. Hold the plastic handle, to remove the frame or matrix from the heater.
2. Place on the carrier, this makes it easier to compile text in the frames.

Attention Burn Hazard!

If the frame was previously used or was on the heater during the heating up time, wait 10-15 minutes to cool down.

3. Loosen the screws in the end locks and move to each side of the frame.
4. Insert the required text or matrix/logo to the centre of the frame or frames required using the tweezers.

5. Now slide the end locks up to each side of the inserted text or matrix/logo in the frame and tighten the screws to lock in position.
6. When replacing or changing typeface fonts, loosen the end lock screws, and slide aside the end locks to easily remove the typeface fonts.
7. Now insert the O.SINGLE FRAME MPo1/MPeMD or O.FRAME MPo1/MPeMD into the O.MASTER FRAME MPo1/MPeMD using the tongs supplied. Ensure your text and matrix/logo are arranged symmetrically.

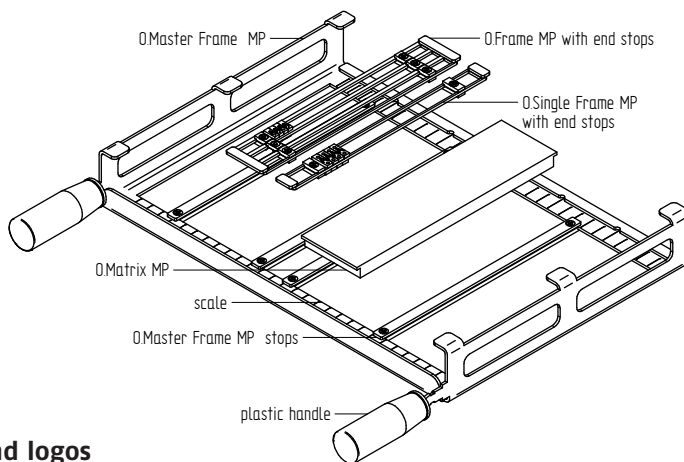
Attention!

The holes and the engraved letter or numbers on the back of the typeface font allows you to distinguish if the letter is the correct way up. The hole at the bottom is bigger and closer to the edge.

Attention!

During cooling of the O.MASTER FRAME MPo1/MPeMD, put it on the special carrier then you can remove the O.SINGLE FRAME MPo1/MPeMD or O.FRAME MPo1/MPeMD and put it on its own carrier to arrange and change the typeface fonts. **BURN HAZARD** after making the changes, replace them into the O.Master Frame MP using the tongs supplied. Always use the plastic handles on the O.MASTER FRAME MPo1/MPeMD to move it.

8. When changing the position spacers in the O.Master Frame MP to make them move easier loosen the two screws. When tightening the screws do it gently to lock in position.



Matrix's and logos

Smaller matrix like O.MATRIX MPo1/MPeMD a thickness of 10 mm are mounted directly on to the

O.MASTER FRAME MPo1/MPeMD and locked in by the stop bars.

The largest Matrix that is available is fitted directly on to the heater head, with the O.MATRIX FRAMEWORK MPo1/MPeMD. fitted with its own plastic handles.

O.MATRIX MPo1/MPeMD with a thickness of 6 mm are made with holes so they may be screwed to the O.SCREW MATRIX BASE MP1/MPeMD with handles.

Custom and premade Matrix's and Logos should be fixed to O.MATRIX BASE MP1/MPEMD with the O.MATRIX FRAMEWORK MP01/MPEM and then fitted to the heater head. Small matrices you can also stick to O.MATRIX BASE GP4/GP5/IP/MP01/MP02/MPEMD with screw and then screw it to the O.SCREW MATRIX BASE MP1/MPEMD with handle.

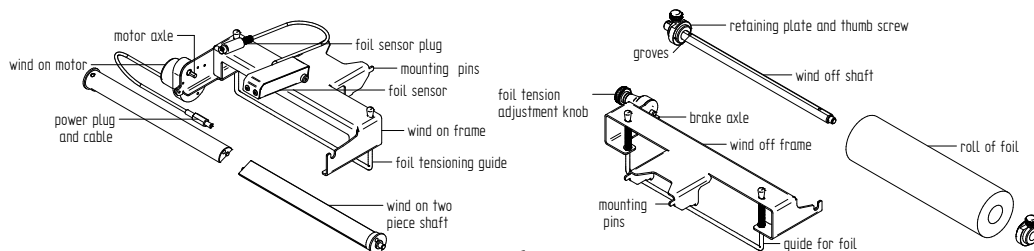
9 HOT PRINT STAMPING WITH FOILS

1. Switch the power on, run the calibration sequence, the heater starts to heat up straight away which will take a few minutes and is indicated on the control panel, when the correct temperature is reached you will hear a bleep and the thermostat stops moving. You can put your Matrix/logo or text on when it is heating up to save time.
2. Place your text or matrix on the heater head this will take time to warm up. The temperature will be displayed on the control panel, when it has reached a stable temperature you will hear a bleep, now you can make a test stamping.

Attention!

Warm-up time for your typeface fonts/matrix is dependent on their size and can range from a few to several minutes. Therefore, before stamping your finished project, make a test on a blank cover of the same type to ensure a perfect job.

3. Attach the roll of printing foil on the unwinding shaft (remove the wind off shaft and loosen the thumb screw of one of the retaining plates and remove, put the roll of foil on the shaft, **„ensure that the dull side faces down“** and replace the retaining plate and tighten the thumb screw).
 - The plates supporting the foil roll has spikes. When mounting the roll on the unwinding rod the cardboard part of the roll should be pressed hard against the plate with spikes to hold it firmly.
 - There are recesses on the unwinding shaft to help the fitting of the foil, where the counter screw for the roller mounting plate should tight (the plate on the back). The first depressions from the center of the roller determine the position of the plate for the 180 mm wide foil, the second 210, and the third (closest to the end) 230 mm. Additionally, on the opposite side of the roller, for the 230 mm rolls, there is also such a recess. The outer positions determining the maximum disc spacing must not be exceeded, because the disc with the locking knobs will hit the body of the unwinding frame. The 180 and 210 mm film recesses help setting the roll with the film in a central position with respect to the heater plate. Pull the end of the foil under the heater and attach symmetrically to the rewinding shaft (unfold the halves of the shaft, insert the end of the foil between them and fold it again), put the shaft on the rewinder and start manual scrolling with the button on the panel, make 1–2 turns of the winding shaft to tension the foil.
 - Both the wind on and off shafts must be refitted so they are on the motor axles and brake axles properly and in the hole on the end of the wind on and off shafts – in the position of the markers; shear on motor / brake axis also upwards.
 - The unwinder has the ability to adjust the tension of the foil. Adjust the tension so that the foil is taut and the resistance is not too high for the foil winder motor. Brake output setting – tighten until slight resistance and unscrew 1–1.5 turns. In the case of too light or too much tension of the foil, this setting can be corrected. Turning the force adjustment knob clockwise increases the film tension, while turning it counterclockwise – reduces it.



Attention!

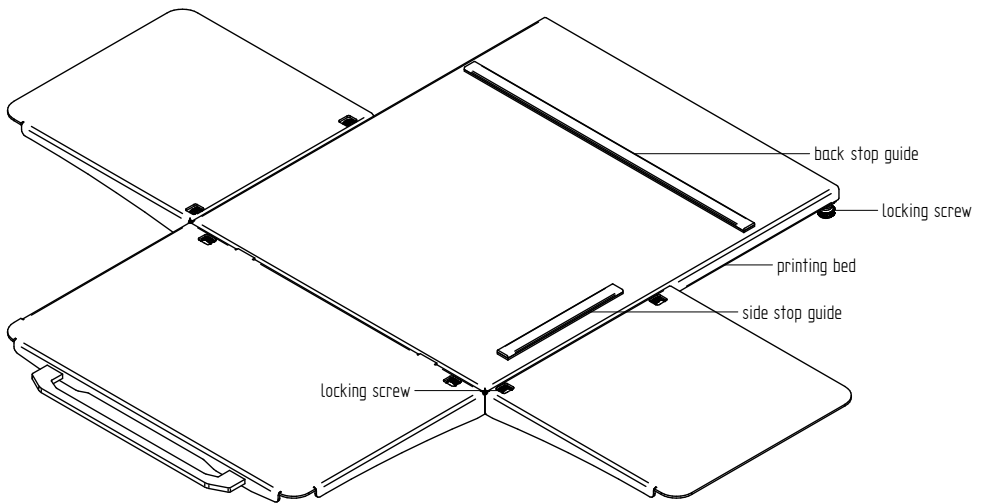
Width of the roll of foil should not exceed 230 mm. It is recommended to use foil supplied by OPUS, the use of cheaper types of foil and tinsels may not be so effective and give a inferior effect and not prove satisfactory for your customers. Please see our full range available on www.opus.pl/en or ask your supplier.

Attention!

If you are using sheets of foil and the wind on motor is installed, you must set the wind on parameter to 0, otherwise after each stamping an error message ("Fa") will appear (SEE ERROR CODES).

4. Using the magnetic stops provided, you can position the cover properly under the heater.

Make a few tests on scrap material to be sure and readjust the stops if necessary. To make it easier to position the material you can slid the table out from under the matrix/heater head.

**Attention!**

There is no need to insert anything under the cover/project. The EMD automatically finds and adjusts to the correct height under the heater and to the height and amount of material.

5. Setting the stamping pressure, is done in increments of "0.5". From 0.5 to a maximum of 10. The proper stamping pressure depends on the size and type of material and depth required.

Attention!

Automatic repeat setting for die cutting are 10x2 and 10x3 depending on what you want and how big the die is and how thick the material is you want to cut a window in.

6. Wait until the heater reaches the desired temperature after switching on it will take a few minutes.
7. When the desired temperature on the heater is reached the device is ready for operation.

Attention!

The pre-set temperature of 100°C, which provides in most cases the correct effect for hot print stamping with Opus products. It is recommended when hot print stamping covers to do it when the heater reaches the pre set temperature. (when possible always do a test to ensure the best results).

8. When using individual sheets of foil, place the foil over the area to be hot print stamped on the cover and then slide it under the heater.
9. Press and hold the START buttons until the matrix touches against the material, after the cycle starts let go of the buttons. When the hot print stamping process has finished the heater head raises to the pre set height.
10. When using rolls of foil, the foil will be automatically wound on to the pre set value.
11. Remove the cover (you may need to gently detach the cover from the foil)

Attention!

When changing text/matrix, place the frame on to the frame carrier WARNING: BURN HAZARD, wait 10-15 minutes until it has cooled down. Now you can start preparing the new text.

Attention!

Recommended settings: Temperature: 100°C / Time 1 second / Pressure 5

These settings provide the most effective results in most cases for hot print stamping. However, since the settings depend on the type of foil and the surface on which hot print stamping is done, it may be necessary to adjust the settings. When the foil does not adhere enough, you can increase the temperature, pressure or time of stamping. If the edges are not clean, reduce the parameters. You should adjust first the pressure then time of stamping and last temperature.

Sliding the table out

Changing the cover is made easier by sliding the table out with the handle at the side of the table, after positioning the new cover, slide the table back.

Adjusting the stamping bed surface

When stamping complex patterns and the pattern is stamped unevenly, (e.g. not enough foil on parts of the pattern) use the adjusting screws under the bed and adjust the height of the bed support points. In places, where the stamping is poor, you should raise that point by turning the screw clockwise, which will increase the pressure. Where the hot print stamping is too deep, reduce the pressure at that point by turning anticlockwise.

Each click of the adjusting screw equals 60° which raises or lowers the bed by 0.3 mm.

10 TRIMMING AND DIE CUTTING

The Masterpress EMD allows you to trim, die cut windows and different shapes. To do this you must put the 0.MATRIX BASE MP01/MP02 on the heater to protect it, plus on the stamping bed the 0.CuttingBLADE PAD so the blade will not cut into the stamping bed or make the blades blunt. Before cutting turn off the heater, this is the safest way of and prolongs the life the heater, (to do this just turn the heater to 0 on the control panel). When die or trimming always ensure that, the die or cutting blade is in the centre of the heater head. (ask the supplier for more details)

Set pressure to the appropriate value (this value must be selected by checking and testing the material to be cut. The pressure/force depends on the thickness and density of the material, and the sharpness and condition of the die.

- press the START buttons
- after cutting, if necessary, you can repeat
- pull of the inner and outer die cut

Attention!

Sometimes due to the delicate design of the die, you may need to increase the pressure in order to get a clean cut by repeating the cycle. On the control panel you can add a automatic repeat cycle x2 and x3 "10" settings, allows you to repeat the cycle without withdrawing the moving head, thus preventing movement of material and die plus speeding up the die cutting process. Set the pressure value to 10 x2 or 10 x3 if the pressure is to be repeated more than once.

Attention!

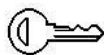
When cutting/trimming always use the 0.CuttingBLADE PAD.

11 POSSIBLE FAULTS AND ERRORS

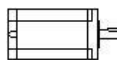
Problems	Possible reason	Actions
Display does not light	- Not plugged in or fuse gone. - Wrong voltage in socket. - Equipment is damages.	- Check the plug - Check voltage and fuse - Try another socket - Contact the supplier
Equipment does not reach the expected temperature or exceeds it considerably	- Check temperature that has been programmed - Equipment damaged	- Set correct temperature - Contact the supplier
In the area stamped some places are not covered with foil	- To low temperature - To short stamping time - To low pressure	- Increase the temperature - Increase the stamping time - Set a more appropriate stamping pressure force
Typeface letters are blurred, visible foil marks beyond the letters edges	- Temperature is too high - Stamping time is too long - Pressure is too high	- Lower the temperature - Shorten the stamping time - Set the stamping pressure lower
If small dots or flakes of foil remain in the matrix stamping area	- Pressure is too high - Improper matrix	- Lower the pressure - Change the matrix

Messages and errors displayed on the control panel:

If this icon appears, the emergency stop button has been pressed. To unlock you should pulled it outwards.



If this icon appears, equipment has been blocked, to unlock insert the key at the back and unlock.



If this icon appears, the motor has overheated, wait several minutes, unblocking will occur automatically when temperature is lowered to a safe level (if it occurs again straight away call service).

OVL	Maximum pressure exceeded. Reduce pressure on the control panel.
Remove used foil	Remove the used foil from the roller.
ERR1	Main camshaft limit switch fault. CALL SERVICE.
ERR2	Heater plate too low. No matrix or typeface fonts, matrix too thin.
ERR3	Temperature sensor failure: switch off and make a note of the symbols displayed (m, M, r, R, h, H) and CALL SERVICE.
ERR4	Mechanical faults, symbols determine the source of the error:
e, E Lo, Lc, Ro, Rc, Uo, Uc, Do, Dc Fa Fs	Encoder – CALL SERVICE Limit switches – CALL SERVICE Winder not connected – connect the motor or set auto foil feed to 0 If there is a short circuit to the foil motor. CALL SERVICE .
ERR 5	Heater temperature is too high: switch off and CALL SERVICE.
ERR 7 enc. Foil	This means that the sensor is not working properly (eg. The sensor head is not close enough to the foil, or the sensor wheel is not turning to measure the foil)

12 MAINTENANCE

The equipment does not require lubrication or periodic maintenance. All points requiring lubrication have been sealed in the factory. The equipment is powder coated and baked hard. For cleaning, use none abrasive house hold detergents, not commercial cleaning products. Do not use petroleum or solvent based products!

13 SUPPLIED WITH EQUIPMENT

- EMD Masterpress unit.
- Stand with shelf and tabletop.
- Side extension tables (2 pcs.)
- Front extension table (1 pcs.)
- Magnetic stops
- Wind on motor and shaft, wind off shaft for foil, 2 mounting brackets.
- O.MASTER FRAME MP01/MP02 with 4 stops.
- Carrier for O.MASTER FRAME MP01/MP02.
- Carrier for O.Single Frame MP01/MP02.

- 0.Single Frame 4 MPo1/MPeMD (5 pcs.).
- 0.Single Frame 5.5 MPo1/MPeMD (5 pcs.).
- 0.Single Frame 9 MPo1/MPeMD (5 pcs.).
- Allen key 3 mm.
- Allen key 4 mm.
- Allen key 6 mm.
- Allen key 8 mm.
- Screwdriver.
- Tweezers for typeface fonts.
- Tong for lifting 0.Frame MPo1/MPeMD (2 pcs.).
- Lifting handle (2 pcs.).
- M5 – 10 socket head screws for mounting shelf (4 off).
- M8 – 20 socket head screws for mounting brackets transport (4 off).
- M10 – 55 socket head screws for mounting the device on a rack (4 off).

14 ADDITIONAL ACCESSORIES

Mounting brackets for the matrix A4 lub 0.MATRIX BASE MPo1/MPeMD:

0.MATRIX FRAMEWORK MPo1/MPeMD

Plate for sticking custom made matrix:

0.MATRIX BASE MPo1/MPeMD (for small and big matrix)

0.MATRIX BASE GP4/GP5/IP/MPo1/MPo2/MPeMD (for small matrix only)

Plate with handle to screw matrices to:

0.SCREW MATRIX BASE MPo1/MPeMD with handle.

Special frame:

0.LONG FRAME 1L9 2L16 1L5.5 MPo1/MPeMD.

For stamping on channels:

0.GOLDCHANNEL BASE MPo1/MPeMD LONG.

0.GOLDCHANNEL BASE MPo1/MPeMD.

Single frame:

0.SINGLE FRAME 3.2 MPo1/MPeMD.

0.SINGLE FRAME 4 MPo1/MPeMD.

0.SINGLE FRAME 5.5 MPo1/MPeMD.

0.SINGLE FRAME 9 MPo1/MPeMD.

Frame:

0.FRAME 3L3.2 MPo1/MPeMD

0.FRAME 3L4 MPo1/MPeMD

0.FRAME 3L5.5 MPo1/MPeMD

0.FRAME 3L9 MPo1/MPeMD

0.FRAME 2L16 MPo1/MPeMD

Matrix 10 mm

0.MATRIX 218 x 309 x 10 mm MPo1/MPeMD.

0.MATRIX 174 x 174 x 10 mm MPo1/MPeMD.

0.MATRIX 100 x 174 x 10 mm MPo1/MPeMD.

0.MATRIX 50 x 174 x 10 mm MPo1/MPeMD.

0.MATRIX 17 x 165 x 10 mm (L9) GP4/GP5/IP/MPo1/MPo2/MPeMD.

0.MATRIX 11.5 x 165 x 10 mm (L5.5) GP4/GP5/IP/MPo1/MPo2/MPeMD.

0.MATRIX 7.5 x 165 x 10 mm (L4) GP4/GP5/IP/MPo1/MPo2/MPeMD.

0.MATRIX 6 x 165 x 10 mm (L3.2) GP4/IP/PP/MPo1/MPeMD.

0.MATRIX frame 130 x 180 x 10 mm MPo1/MPeMD.

Matrix 6 mm

O.MATRIX 218 x 301 x 6 mm MP01/MPEMD.
O.MATRIX 218 x 171 x 6 mm MP01/MPEMD.
O.MATRIX 200 x 171 x 6 mm MP01/MP02/MPEMD.
O.MATRIX 100 x 171 x 6 mm MP01/MP02/MPEMD/GP5.
O.MATRIX 100 x 111 x 6 mm MP01/MP02/MPEMD/GP5.
O.MATRIX 50 x 171 x 6 mm MP01/MP02/MPEMD/GP5.
O.MATRIX 50 x 111 x 6 mm MP01/MP02/MPEMD/GP5.
O.MATRIX 50 x 71 x 6 mm MP01/MP02/MPEMD/GP5.

Matrix for embossing photo frames:

O.MATRIX frame 80 x 110 x 10 mm MP01/MPEMD.
O.MATRIX frame 90 x 130 x 10 mm MP01/MPEMD.
O.MATRIX frame 110 x 160 x 10 mm MP01/MPEMD.
O.MATRIX frame 130 x 180 x 10 mm MP01/MPEMD.

Matryca z title:

O.MATRIX „photo 01” 174 x 50 x 10 mm MP01/MPEMD.
O.MATRIX „photobook 01” 174 x 50 x 10 mm MP01/MPEMD.

Typeface fonts:

Typeface fonts in sizes: 4 mm, 5.5 mm 9 mm, 16 mm.

15 TECHNICAL DATA

Voltage:.....EU AC 230 V / USA AC 120 V / JP AC 100 V 50 / 60 Hz
Rated Current:.....EU 8.7 Amps / USA 12.5 Amps / JP 12 Amps
Rated Power:.....EU 1500 W, USA 1500 W / JP 1200 W
Heater surface*:.....218 x 308 mm
Maximum pressure:.....5 tons
Maximum stroke:.....64 mm
Distance of the center of the heater to the main body on the print table:.....302 mm
Temperature range:.....30 -190°C
Time range:.....0 – 9 minutes
Temperature stabilization:.....microprocessor
Warming up time for 20-100°C.....6 min
Warming up time for 20-190°C.....15 min
Maximum Foil width:.....230 mm
Equipment dimensions:H-1649 x W-510 x D-795 mm
(with side extension tables and front extension table):.....H-1649 x W-885 x D-1057 mm
Stand dimensions:.....H-762 x W-510 x D-760 mm
Crate dimensions:.....H-1060 x W-540 x D-990 mm
Net Weight unit:.....153 kg
Net Weight stand:.....43 kg
Gross Weight of crate:.....240 kg

* The heater surface size is not the same as maximum hot print stamping area.



Equipment and products marked with this symbol cannot be deposited together with normal or municipal waste. The user is required to take their used product to a collection point for recycling of waste electrical and electronic equipment. Proper segregation of used equipment reduces the negative impact of hazardous substances that may be in there, in to the environment which could impact, human and wild life health. For more detailed information concerning the disposal of used equipment, please contact your local authority, waste disposal service or the point of sale where you purchased the product. By ensuring proper disposal of equipment we are helping to protect the environment, humanity and wild life health.