monster smash

Specifications

Heat press type:	Hydraulic
Feeder:	Hydropneumatic
Maximum pressure:	20 tons
Airline pressure	7-8 bar
Maximum heating temperature:	up to 356º F (180º C)
Double heating:	Top and bottom plates
Dimensions of the heated plate:	250 x 100 x 40 mm
Plate material:	Aluminum
Temperature accuracy	5º F
Timer set range	1 min – 99 min
Temperature units:	Degrees Fahrenheit / Celsius
Electrical rating:	~120 V	1,000 W	8.3 A
Package size (WxHxD):	279 x 528 x 678 mm
Net weight:	53.6 kg
Gross weight:	62 kg

Warning

Setup

- Assemble the heat press according to the assembly instructions.
- Place the heat press on a sturdy horizontal surface.
- Connect the oil feeder hose to the hydraulic cylinder fitting.
- Plug the heat press into ~120 V/60 Hz AC outlet.
- Power the heat press by setting the switch on the back panel to ON.

Control Panel

The control panel consists of an alphanumeric LCD display and buttons. The control panel may be tilted up to 30º. To change the position of the panel, use the Push/Pull knob. The LSD display has back lighting and displays the information in 4 lines, 20 symbols each. The buttons are used to set the heating mode and operating parameters and to control indication.

Control buttons are used to:

Start / Ok: Switch heating on / Enter the parameter editing mode / Confirm parameter entry
Stop / Esc: Switch heating off / Cancel parameter changing / Exit from the Settings menu
Opt(ions)/ Up: Go to the Options menu / Cursor up / Increase the parameter value
Set(tings) / Dn: Go to the Settings menu / Cursor down / Decrease the parameter value
Light: Turn the plate lighting on

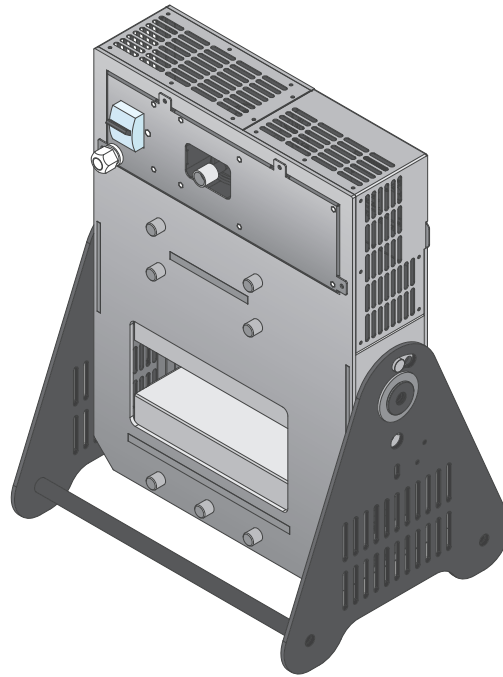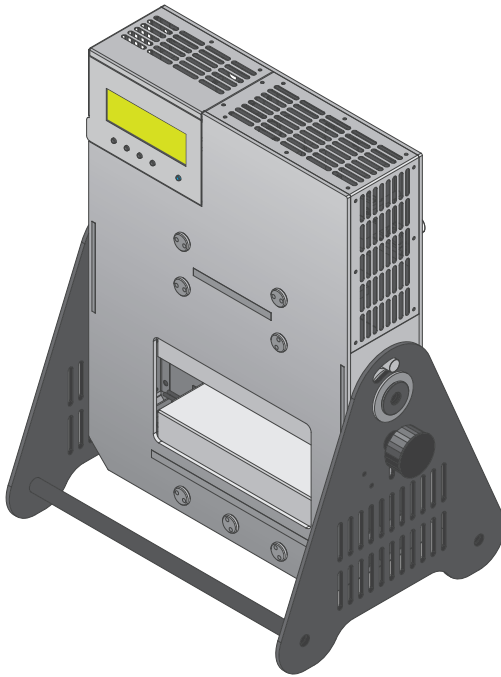Information Displayed on the Display Screen

Information is displayed on the LCD display on three pages:

- **Main**: Used to display the current state and the current parameters.
- **Options**: Used to view and select optional settings.
- **Settings**: Used to view and edit control parameter settings.

After power is supplied, the LCD display shows the startup screen with the heading and the software version. In 2 seconds, the program goes into the current state display mode. This is the main display page (**Main**).

The following parameters are displayed on the main page (current parameters):

- STATE [WAIT|HEAT|READY|<MIN:SEC>] [▼]
- Pressure: 00.0 Ton
- Top Temp: 85 ºF
- Btm Temp: 210 ºF

The parameters are as follows:

STATE: The state of the system. The system may be in one of the following states:

- **WAIT:** Heating mode off (heaters off)
- **HEAT:** Heating mode on. The top heater and the bottom heater are switched on separately. When one of the heaters is on, the following symbol is highlighted at the upper right corner of the display:
  [▲] – Top heater on
  [▼] – Bottom heater on
- **READY:** Both heaters have reached the setting and are in the temperature maintenance mode
- **<MIN:SEC>:** Timer countdown in minutes and seconds.

Pressure: Current pressure in the hydraulic cylinder in tons.
Top Temp: Current temperature of the top plate in ºF / ºC (optional)
Btm Temp: Current temperature of the bottom plate in ºF / ºC (optional)

Setup of control parameters (settings, timing)

Settings are adjusted on the **Settings** page. To go to the Settings page from the main page, press the **Set/** button. You will be taken to the **Settings** page where you will see the following parameters:

The following parameters are displayed on the Settings page:

- Pressure   --- Ton
- Top Plate   --- ºF
- Btm Plate   --- ºF
- Timer   --- min

The parameters are as follows:

Pressure: Pressure setting in tons. When the preset pressure is reached, the program starts counting down the time set in the Timer parameter (see below).

Top Plate: Heating temperature setting for the top plate in ºF / ºC (optional).
Btm Plate: Heating temperature setting for the bottom plate in ºF / ºC (optional).
Timer: Exposure time in minutes.

The cursor in the form of the ▶ symbol appears in the left column of the **Settings** page to show the current line/parameter. You can use the **/Up** and **/Dn** buttons to move the cursor and select the current parameter.

To edit the selected parameter, move the cursor to the line containing the parameter and press **Ok.** In this case, the parameter figures will flash approximately once per second. You can also change the parameter by pressing **/Up** or **/Dn** buttons to increase or decrease the parameter, respectively. To change the parameter more quickly, press the respective button and hold it down.

When the parameter is entered, press **/Ok** to confirm the entry. This will save the data in the controller memory. To cancel parameter entry, press **/Esc** instead of **/OK**. In this case, the previous parameter will be stored in the controller memory.

When the parameter entry is confirmed or canceled, the parameter figures will stop flashing. After that, you can choose other parameters by moving the cursor with **/Up** or **/Dn** buttons.

When all parameters are entered, press **/Esc** to return to the main page.

Options Setup

Settings are adjusted on the **Options** page. To go to the Options page from the main page, press the **Opt/** button. You will be taken to the **Options** page where you will see the following parameters:

The following parameters are displayed on the **Options** page:

Timer: [**ON** | **OFF**]
Au: [**ON** | **OFF**]

The parameters are as follows:

Timer: **ON** – The timer will be started when the preset pressure is reached.
              OFF – The timer will not be started.

Auto Run: **ON** – When the power is on, the heating mode will be activated automatically.
                 OFF – The heating mode is activated by the **Start/** button.

Temp Unit: **ºF** – The temperature is shown in degrees Fahrenheit.
               ºC – The temperature is shown in degrees Celsius.

Sound: **ON** – Sound is on.
              OFF – Sound is off.

The cursor in the form of the ▶ symbol appears in the left column of the **Options** page to show the current line/parameter. You can use the **/Up** and **/Dn** buttons to move the cursor and select the current parameter.

To edit the selected parameter, move the cursor to the line containing the parameter and press **Ok.** In this case, the parameter will flash approximately once per second. You can change the parameter by pressing **/Up** or **/Dn** buttons.

When the parameter is changed, press **/Ok** to confirm the entry. This will save the data in the controller memory. To cancel parameter entry, press **/Esc** instead of **/OK**. In this case, the previous parameter will be stored in the controller memory.

When the parameter entry is confirmed or canceled, the preset parameter will stop flashing. After that, you can choose other parameters by moving the cursor with **/Up** or **/Dn** buttons.

When all parameters are entered, press **/Esc** to return to the main page.