

HEAT PRESS

MODEL No: DE10K

INSTRUCTION MANUAL

CONTACT

Dulytek Equipment
Seattle, WA 98105

help@dulytek.com
www.dulytek.com

© 2019 Dulytek
All rights reserved



TABLE OF CONTENTS

PAGE 2	INTRODUCTION Read Before Operating Machinery Copyright Notice Disclaimer
PAGE 2	SAFETY PRECAUTIONS
PAGE 4	HANDLING PRECAUTIONS
PAGE 4	UNPACKING Unpacking Precautions Unpacking Instructions Item Checklist Recommended Parts
PAGE 6	GETTING FAMILIAR DE10K Press Features and Controls: Front Side DE10K Press Features and Controls: Back Side
PAGE 7	OPERATING INSTRUCTIONS Preparing and Starting Press Setting Temperature Heating and Pressing Turning Off Press Cleaning Press Plates
PAGE 10	ROSIN PRESSING TIPS Plant Material Filter Bags Temperature and Time Collection Methods Making Budder More Information
PAGE 13	TECHNICAL SPECIFICATIONS

INTRODUCTION

DULYTEK DE10K hybrid heat press is a machine engineered and manufactured for solvent-less plant rosin oil extraction for further use in research laboratories, pharmaceutical, cosmetic, food processing, and brewing industries.

READ BEFORE OPERATING MACHINERY To avoid accidents, first read SAFETY PRECAUTIONS (PAGE 2) and HANDLING PRECAUTIONS (PAGE 4).

Read this manual carefully to ensure you use the press correctly. After reading and familiarizing yourself with the equipment, store the manual in a safe place for future references.

COPYRIGHT NOTICE Copyright © 2019 by DULYTEK. All rights reserved. No part of this document may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written consent of the company. Product design, logos, brand names for various media, and product photos are the sole and exclusive property of DULYTEK.

DISCLAIMER This unit is intended for LEGAL use only, in accordance with your federal, state, and local laws, ordinances, and regulations.

Please keep this manual in a safe place for future references.

SAFETY PRECAUTIONS

The following precautions are provided to prevent harm or injury to yourself and others. Please make sure to thoroughly read, understand, and follow these precautions before using the product.

If product is damaged, appears to be damaged, or malfunctions, contact DULYTEK customer service at help@dulytek.com.

SAFETY PRECAUTIONS (continued)

WARNING: Follow the warnings below. Otherwise, death or serious injuries may occur.



- Use this product only as described in this manual.
- Keep the equipment out of the reach of children at all times.
- Unplug the heat press from the electrical outlet and let it cool down COMPLETELY before cleaning, performing maintenance, or repair.
- DO NOT operate the product after the appliance malfunctions or is dropped or damaged in any way.
- DO NOT operate the press if the plates are dirty. Clean the plates with isopropyl alcohol and wipe them dry with a clean cloth. Ensure both plates are completely dry before use.
- DO NOT immerse the press, its power cord, and plugs in water or any other liquid.
- DO NOT place the product on or near a hot gas or electric burner, heated oven, or any other heat source.
- DO NOT operate the product with a damaged cord or plug.
- DO NOT leave any cords near a heat source. It can deform the cord or melt its insulation causing electrical shock or fire.
- Always insert the power plug all the way in.
- DO NOT handle a power plug or other components of the press with wet hands.
- When unplugging a power cord, grasp and pull with the plug instead of the cord.
- DO NOT scratch, cut, twist, excessively bend, or tie the cord or put a heavy object on it.
- DO NOT let the power cord drape over the countertop or tabletop, where it can be accidentally tripped over or pulled on.
- DO NOT connect too many power plugs to the same power outlet.
- DO NOT cover the press with a cloth. Doing so may trap heat within and cause fire.
- Remove dust around the plug and power cord with a clean dry cloth. If the surrounding is dusty, humid, or oily, short-circuit may occur, causing a fire.
- DO NOT remove the machine cover.
- DO NOT disassemble the press or make any modifications to the equipment.

HANDLING PRECAUTIONS



- The press must be operated on a hard, level surface, away from its edges to prevent accidental tipping over.
- Work area must be kept clean, tidy, and free of obstructions to the press moving parts.
- Always attach the power cord to the press first, then plug it into the wall outlet.
- To unplug the press, turn OFF the power switch, only then remove the plug from the outlet.
- DO NOT touch the press's hot surfaces. Use heat-resistant gloves or tools. Care must be exercised as serious burns can occur from touching hot platens.



- Keep your hands and other body parts away from the moving parts to prevent injury.
- This press comes with a power cord that fits into a standard household 3-prong outlet (110V American market). DO NOT attempt to use the equipment with a two-prong electrical cord or any other way without proper grounding.
- DO NOT exceed the rated capacity.
- Contact DULYTEK at help@dulytek.com if the equipment does not start or if smoke or unusual odors are detected.
- Always turn the machine OFF and unplug it when done using.

UNPACKING

UNPACKING PRECAUTIONS

WARNING: Keep the packaging materials (cardboard, foam, plastic bags, etc.) out of the reach of children to prevent accidental choking, suffocation, strangulation, and other injury.

Preserve the shipping carton. DO NOT discard or disassemble the shipping box. It is designed to hold the weight of the product and should be used in case you need to return the equipment for repair or warranty maintenance in the future. DO NOT attempt to ship the press in a different container.

UNPACKING (continued)

- UNPACKING INSTRUCTIONS**
1. Place the box on a large, sturdy, flat surface.
 2. Open the box and remove the instruction manual and all parts that came with the press.
 3. Remove the packaging material and carefully lift the press out of the box.
 4. Remove any protective or promotional labels from the press and other parts if applicable.
 5. Examine the heat press after unpacking for any damage. If found one, take a picture and contact DULYTEK at help@dulytek.com immediately.

ITEM CHECKLIST Before starting, please make sure that the following items are included with your press machine. If anything is missing, contact DULYTEK.

1. DULYTEK DE10K Heat Press;
2. AC Power Cord;
3. Instruction Manual.

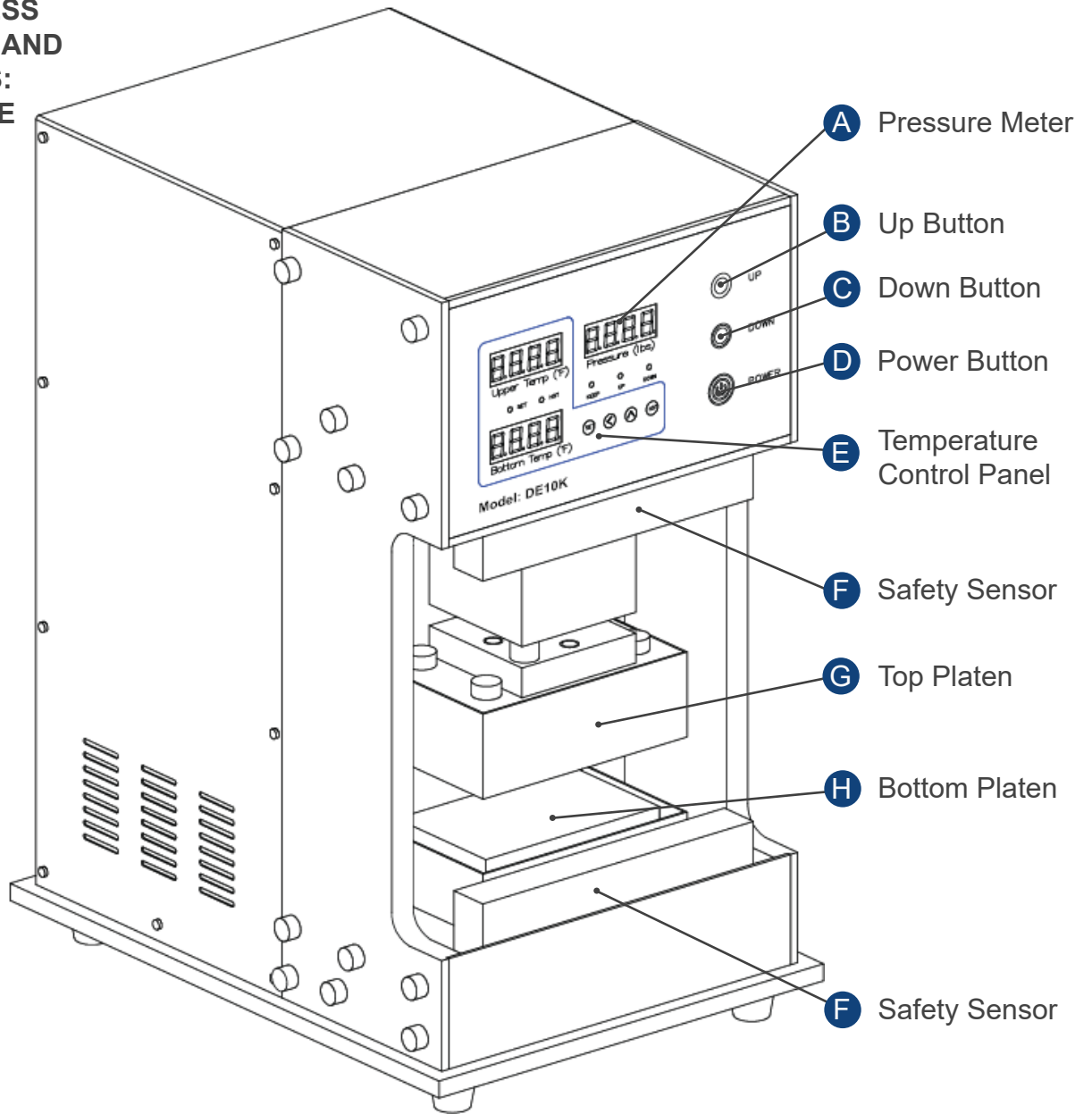
RECOMMENDED PARTS The following items are recommended to successfully press rosin and preserve the optimal yield:

1. Parchment paper sheets;
2. Filter bags;
3. Pre-press mold;
4. Humidity packs;
5. Collection tools (dab tools, glass stamp).

Please see ROSIN PRESSING TIPS (PAGE 10) for more information.

GETTING FAMILIAR

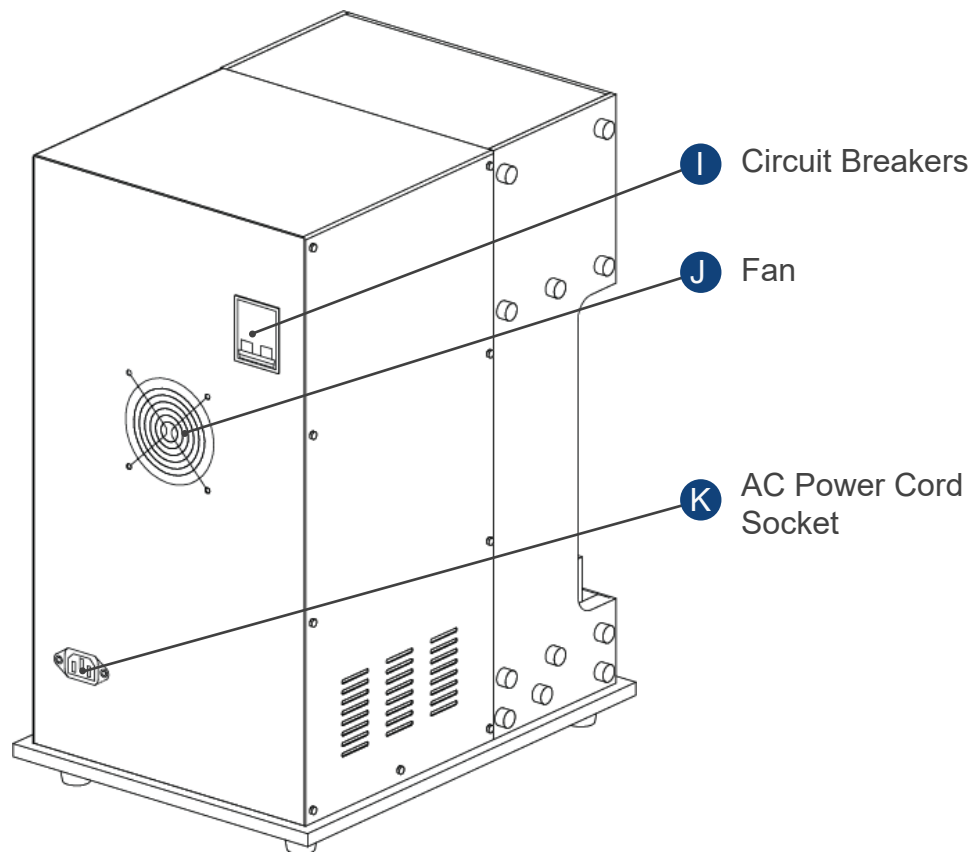
DE10K PRESS FEATURES AND CONTROLS: FRONT SIDE



- A** Pressure Meter
- B** Up Button
- C** Down Button
- D** Power Button
- E** Temperature Control Panel
- F** Safety Sensor
- G** Top Platen
- H** Bottom Platen
- F** Safety Sensor

GETTING FAMILIAR (continued)

DE10K PRESS FEATURES AND CONTROLS: BACK SIDE



OPERATING INSTRUCTIONS

PREPARING AND STARTING PRESS

1. Prepare materials you wish to press. See ROSIN PRESSING TIPS (PAGE 10).
2. Make sure the press stands on a flat sturdy countertop.
3. Ensure the press is clean and free of residue or dust buildup.
4. Make sure all switches and controls are turned OFF.
5. Flip two circuit breakers **I** (white and orange) so that they point up.
6. Insert the AC power cord that came with the product into the press AC power cord socket **K** and then plug its other end into an electrical outlet (110V).
7. Press Power button **D** to turn the press on; the control panel **E** lights up.

OPERATING INSTRUCTIONS (continued)

SETTING TEMPERATURE

The temperature settings are measured in Fahrenheit degrees. The same temperature is used when heating up both top **G** and bottom **H** platens. The numbers shown on Upper Temp and Bottom Temp lines of the control panel **E** indicate the current temperature of the top and the bottom platens respectively.

1. Press SET button on the control panel **E** (Fig. 1) to go to the temperature setting mode. The Upper Temp line now shows a preset number, and the SET indicator lights up (Fig. 2).
2. Press Left arrow button (Fig. 3). The digit shown in the hundreds place (shown as “1” in the Fig. 3) is now flashing.

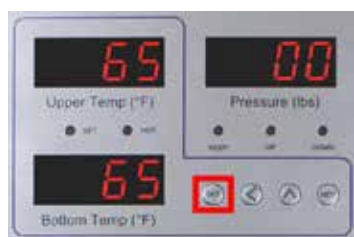


Fig. 1



Fig. 2



Fig. 3

3. Press Up arrow button to select a value for that digit between 0 and 3 since the maximum temperature is 356 °F (Fig. 4).
4. Hit Left arrow again (Fig. 5). The tens place digit is now flashing (shown as “5” in the Fig. 5).
5. Press Up arrow button to select a desired tens place digit (Fig. 6).

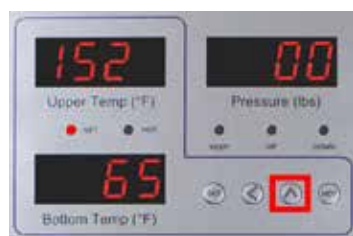


Fig. 4



Fig. 5



Fig. 6

OPERATING INSTRUCTIONS (continued)

SETTING TEMPERATURE (continued)

- Press Left arrow button one more time (Fig. 7) to move to the ones place. The ones place digit is now flashing (shown as the last "2" on the right in the Fig. 7).
- Press Up arrow button to select a desired ones place digit (Fig. 8).
- Hit SET button again to record the setting (Fig. 9). The SET indicator turns off.

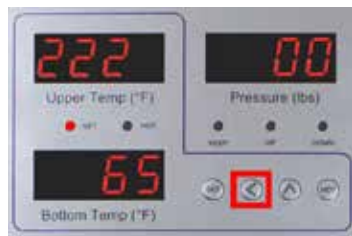


Fig. 7



Fig. 8

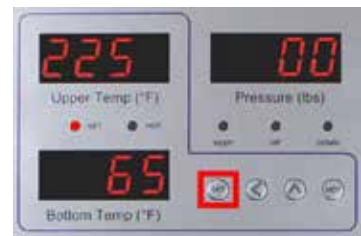


Fig. 9

HEATING AND PRESSING

- Press HOT button (Fig. 10) on the control panel **E** to start heating both platens. The HOT indicator lights up (Fig. 11). Tip: You can stop heating the plates at any time by pressing HOT button again.
- Wait until the temperature of both platens reaches the desired number (Fig. 12).



Fig. 10



Fig. 11



Fig. 12

- Place the material you wish to press in the center of the bottom platen **H**. Tip: Make sure no solid objects are laying over the safety sensors **F**. The sensors will stop the press if any solid object is detected. Two layers of parchment paper are not going to interfere with the sensors, but anything

OPERATING INSTRUCTIONS (continued)

HEATING AND PRESSING (continued)

- heavier will.
- Press and hold Down button **C** until the machine lowers its top platen **G** and the pressure shown on the live pressure meter **A** is starting to rise. Tip: The DOWN indicator on the control panel lights up when the plate is moving down.
 - Gradually apply more pressure by tapping Down button **C** until the desired pressure is reached. Tip: Excessive weight applied at once increases the risk of filter bag blowouts.
 - Wait for a few seconds for extraction to happen. The KEEP indicator on the control panel lights up. Tip: Set a timer or stopwatch for the desired press time. **IMPORTANT:** We do not recommend pressing for more than 2 - 2,5 minutes at a time to extend the life of the press cylinders. If you let the press run for 3 minutes, it automatically stops pressing and lifts up the top platen.
 - Press and hold Up button **B** to release the top platen **G**. The UP indicator on the control panel lights up when the plate is moving up.
 - Remove the pressed material using heat resistant gloves or tools and exercising extreme caution.

TURNING OFF PRESS

- Turn the machine off by pressing Power button **D** when done pressing.
- Unplug and then disconnect the AC power cord from the press.
- Wait until the press cools down completely to clean and store it.

CLEANING PRESS PLATES

- Make sure the press plates are completely cooled down before cleaning.
- Apply a small amount of alcohol to a clean cloth and wipe down the plates until clean. Use rubbing alcohol that contains at least 80% by volume of isopropyl alcohol.
- Wipe plates with a dry clean cloth.
- Repeat these steps for cleaning all associated tools.

ROSIN PRESSING TIPS

PLANT MATERIAL

For the optimal yield and quality, select plant material that has been harvested within 2 to 6 weeks of pressing.

ROSIN PRESSING TIPS (continued)

PLANT MATERIAL (continued)

Maintain your plant relative humidity at around 62%. Store your herbs in an airtight containers with two-way humidity packs in a dark place. Allow at least 48 hours for the material to reach the optimal humidity level. Open the jars one or two times per day to air them for a few minutes before re-sealing.

Grind or break up your starting material and compact it into a puck using a pre-press mold.

Placing a puck into a filter bag is discretionary. Filter bags help to produce a high quality concentrate by removing plant contaminants from rosin. Pressing without a filter bag results in a higher yield and a lower quality product.

Don't try to put too much material inside the filter bag; doing so may cause filter bag blowout and reduce your yield.

Insert the puck into a filter bag if used and place it inside a folded parchment paper sheet. Leave some space between the fold and the puck to avoid tearing the parchment paper during pressing.

FILTER BAGS

Mesh Size, microns	Intended For
25	Fine materials such as kief, bubble hash, or dry sift
100	Flower; results in best filtration and highest quality output with some reduction in yield
160	Flower; good balance between yield and quality

Use nylon mesh bags instead of stainless steel or polyester ones. Stainless steel screens scratch press plates and cut yields. Polyester bags shrink with heat and cause blowouts. Nylon screens are durable and expand up to 40% without breaking making it a better choice for solventless extraction.

Filter bags are one-time use only unless you double or triple press the same material.

ROSIN PRESSING TIPS (continued)

FILTER BAGS (continued) Fine mesh filter bags are intended for finer materials such as kief, bubble hash, or dry sift.

TEMPERATURE AND TIME

Plant Material	Temperature	Time, seconds
Kief, hash, dry sift, trim	165 °F - 195 °F / 74 °C - 90 °C	60 - 130
Flower	190 °F - 225 °F / 87 °C - 105 °C	30 - 220

Cold pressing (pressed at 160 °F - 190 °F / 70 °C - 87 °C for 1 - 5 minutes) results in a malleable, batter consistency terpene-rich rosin but comes with a sacrifice in yield.

Hot pressing (pressed at 190 °F - 225 °F / 87 °C - 105 °C for 40 seconds to 3 minutes) produces a sappy or shatter-like rosin. The hotter you press, the higher yield you get. Anything over 225°F generally has a notable drop in quality and terpenes.

For better terpene preservation, press at 210 °F or below. For flower, start pressing at 200 °F / 93 °C for 85 - 125 seconds and evaluate from there.

COLLECTION METHODS

Use a glass stamp to collect goopy rosin. Push the stamp down on the extracted concentrate; it will pick up the material. Then scrape rosin from the stamp with a clean stainless steel tool.

MAKING BUDDER

Constantly stir freshly pressed rosin with a warm dabbing tool until a creamy texture is achieved. Whipped rosin, also known as “budder”, is more malleable and easier to manage.

MORE INFORMATION

Please see our website and subscribe to our newsletter and Dulytek social media pages for more tips, innovations, industry news, and promotional discounts.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
Model	DE10K
Press Force	10000 lb / 5 Ton
Power	880 W
Current	8 A
Voltage	110 V
Frequency	50 Hz
Dual Heating Plates	Yes
Platen Size	3 x 5 inch / 76 x 127 mm
Temperature Range	up to 356 °F / 180 °C
Temperature Scale	Fahrenheit
Dimensions	18 x 17 x 11 inch / 46 x 43 x 28 cm
Weight	75 lb / 34 kg
Package Dimensions	21.7 x 17 x 13 inch / 55 x 43 x 33 cm
Package Weight	84 lb / 38.1 kg
Certifications	CE / RoHS