

**Multi-Functional Heating Press**

Type: Combo machine-1  
 Power Rating:1250W ± 5%/W  
 Input Rating:AC 220-230 V,50/60Hz  
 Specification of heater:290x280mm MAX  
 Type of guards against electricity:1  
 Serial Number:

 Photo USA Electronic Graphic Inc.  
 Made in China

 Caution:This mug press must use the three core Plugs with earth protection and the switches with leakage protection

**Arc Mug Press**

Type: BJ900  
 Power Rating:350W  
 Input Rating:AC 220V 50/60Hz  
 Type of guards against electricity:1  
 Serial Number:

 Photo USA Electronic Graphic Inc.  
 Made in China

 Caution:This mug press must use the three core Plugs with earth protection and the switches with leakage protection

**Mug Press**

Type:BJ899  
 Power Rating:350W  
 Input Rating:AC 220-240 V,50/60Hz  
 Type of guards against electricity:1  
 Serial Number:

 Photo USA Electronic Graphic Inc.  
 Made in China

 Caution:This mug press must use the three core Plugs with earth protection and the switches with leakage protection

 **CAUTION!**  
 To provide continued protection against risk of electric shock, connect to properly grounded outlets only.

 **WARNING!**  
 To reduce the risk of electric shock and injury to persons, disconnect from power supply before servicing

 **CAUTION!**  
 Must cut off electricity before replacing the different heat parts. Don't take off the heat parts from the mainframe until loose and pull out cable plugs!

**Mug Press**

Type: BJ880  
 Power Rating:350W  
 Input Rating:AC 110-120 V,50/60Hz  
 Type of guards against electricity:1

 Photo USA Electronic Graphic Inc.  
 Made in China

 Caution:This mug press must use the three core Plugs with earth protection and the switches with leakage protection

**Mug Press**

Type: BJ890  
 Power Rating:350W  
 Input Rating:AC 110 V,50Hz  
 Type of guards against electricity:1

 Photo USA Electronic Graphic Inc.  
 Made in China

 Caution:This mug press must use the three core Plugs with earth protection and the switches with leakage protection

**WARNING! - CAUTION!**

Note:This device must be operated by one professional operator only! Keep hands clear from moving parts! Hot Surface! Don't touch heater during operation! Remove from power supply when swapping/changing heaters or servicing to avoid electrical shock!

**CAUTION!**  
 Hot surface. Avoid contact!  
 High pressure. Avoid squeezed!

 **WARNING!**   
 Hand crush and burn hazard. Keep hands clear of moving parts.

**Mug Press**

Type: BJ 880  
 Power Rating:350W  
 Input Rating: AC 220-240 V, 50/60Hz  
 Type of guards against electricity:1  
 Serial Number:

 Photo USA Electronic Graphic Inc.  
 Made in China

 Caution:This mug press must use the three core Plugs with earth protection and the switches with leakage protection

## SAFETY PRECAUTIONS

The precautions noted within this guide are intended to instruct you in the safe and correct use of the products and to prevent injuries or damage to yourself, other persons and property. Please read and ensure that you understand them before proceeding to other sections of the guide.



### WARNING!

This symbol indicates topics that could lead to death or serious injury if ignored or handled incorrectly.

### Disclaimer

- While every effort has been made to ensure that the information contained in this guide is accurate and complete, no liability can be accepted for any errors or omissions. PHOTO USA ELECTRONIC GRAPHIC INC. ("PHOTO USA") reserves the right to change the specifications of the hardware described herein at any time without prior notice.
- No part of this guide may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without the prior written permission of PHOTO USA.
- PHOTO USA makes no warranties for damages resulting from a mistaken operation or malfunction of the machine.

### LIMITED WARRANTY AND LIMITATION OF LIABILITY

- It is your responsibility to choose, maintain and match the hardware of your heating machine. Thus PHOTO USA does not guarantee uninterrupted service or correction of errors or that the functions or performance of the machine will meet your requirements.

This is a complete package of the following machine models. If you cannot find your model within this manual please contact us immediately.

Mug Press: BJ900 ARC Mug Press/BJ880 Mini Mug Press/BJ890 Multi-Functional Mug Press/BJ850 Mug Press

Plate Press: Mini Plate Press

Multi-Functional Heating Press: 6-in-1 Machine/8-in-1 Machine

## User Manual for Mug Press Series

**BJ 900**

### **ARC Multi-Functional Mug Press (with 1 heater)**



Item No.: 110803 (220V) / 110804 (110V)

Name: BJ 900 ARC Mug Press

Description: ARC Multi-Functional Mug Press (with 1 heaters)

Certificate: CE Approved

Remembering the item number helps you easy to place an order.

#### **CHARACTERISTICS**

- Can do straight body ceramic mug sublimation imprint from 11oz to 15oz by the standard heater, and can un-limitedly extent to various shapes of mug heaters: 1.5 oz. shot ceramic/glass, 2.5 oz. Espresso Cup; 6-10 oz. straight body mug; 12 oz. and 17 oz. Latte mug; 600ml aluminum water bottle and 16 oz. glass stein; 0.5L OK mug; 12 oz. and 18 oz. Enamel Cup etc. (products size refer to Photo USA products, which can be viewed on <https://www.meikeda.com/>)
- Double-Arm handle makes the close action easier and smoother.

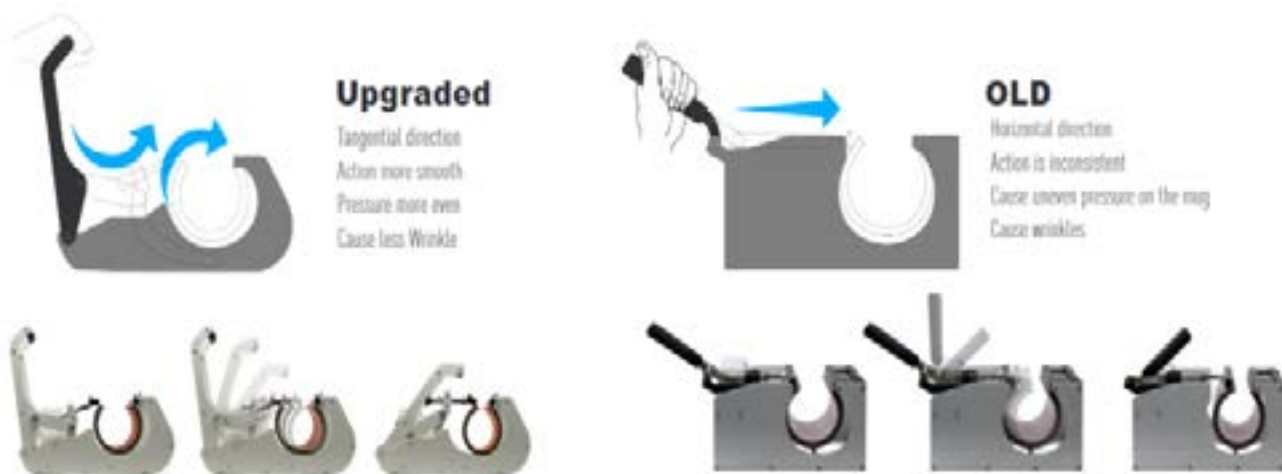
- The action shell is made in circle shape making the pressure direction in a correct way on the mug. It makes the pressure on the mug more even, and makes the heater longer life length compare with other mug press which in a horizontal pressure direction on the mug.
- Digital integrated circuit, artificial intelligence, combined control of temperature and time.
- Small size, light weight and fashionable appearance.
- Digital LCD board, easy to read and control accurately. Soft keys are easy to touch and control, which makes it more convenient for adjustment.
- Time setting for intelligent control for the constant temperature.
- Heat preservation to shorten the time for next-time warming up.
- The machine can work continuously, but the power supply should be cut off when the machine is idle.

## TECHNICAL PARAMETERS

Rated Input Voltage: 220V	220-230Volt ampere, 50/60 HZ Max
Rated Input Voltage: 110V	110-120Volt ampere, 60 HZ Max
Rated Input power:	300 W
Range of temperature:	0~430°F
Range of time control:	0~999 seconds
Range of initiative temperature setting:	200~380°F
Range of the highest temperature setting:	200~430°F
Heater Specification:	243×115(MM) 11oz~15oz
	206×115(MM) 6oz~10oz

## STRUCTURE AND MOTION

The driving lever is made in an arc shape, making pressure work in an all-around and more even effect on the mug. The heater will have a longer service life length compared to other mug presses. The improved structure makes the operation smooth and easy for everyone to use. Strong structure in a lighter body can provide you a more efficient work mode.



## EXTENSIBILITY

There is only 1 x 11 oz. standard heater along with the machine as standard packing. While this mug press has a great extensibility from 1.5 oz., 2.5 oz., 6-10 oz., 11-15 oz., to 12 oz. and 17 oz. Latte or even bigger size! Modules of mug heaters are designed easy to replace and efficient in work.

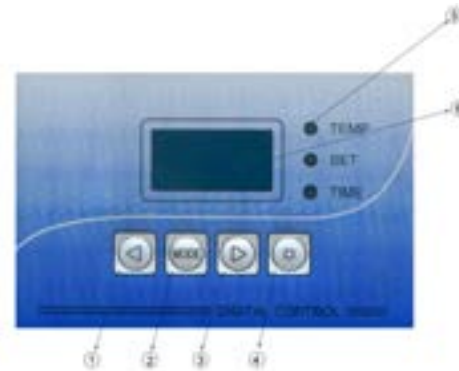
\*If you want to make your own mug heater, please contact us. We accept mug heater customization at a reasonable set up charge and MOQ.

### Extensible

There was only one 11oz heating pad included in the standard packing. But this innovatory mug heat press can not only fit in standard heating pads which include 6-10oz, 11-15oz coffee mug pads and 12oz, 17oz(latte) mugs, but also 1.5oz shot glasses and 2.5 mini mug heating pads and a lot of other different heating pads, which use to can only be printed by ovens. Modular design, easy and fast replaces. Standard concept makes un-limited extension to connect different heaters more easily and faster for making all different mugs, a real all-in-one Mug Press.



## COMPONENTS AND FUNCTIONS



**Picture 1—whole Press**

- ① Handle The Heat Board
- ② The Digital Manipulation Board
- ③ Switch      ④ Mug Heater      ⑤ Pressure Adjustment

**Picture 2—The Digital Manipulation Board**

- ① Minus      ② MODE      ③ Plus      ④ Executive Key
- ⑤ Indicative Light      ⑥ Digital Board

## BASIC PREPARATION BEFORE USING

1. Plug the three-core power line into the outlet, and check whether the power supply is in conformity with the rated voltage of the machine. There should be a reliable protective ground wire for the top core.
2. **Put in the mug going to be shaped, close up the pressure handle and rotate the adjusting screw to get a proper pressure.**
3. Turn on master power switch, and the instrument board will display the current temperature in red light in three seconds.
4. Set the temperature and time according to the operation methods of Digital Manipulation Board. **There are two kinds of temperature and time setting for different mug processing. Please refer to the table below:**

Situation	Timing	Initial Temperature	Highest Temperature	Remark
Individual mug processing	40s	230°F	330°F	After the first one is finished individually, set the told temperature and timing and begin batch processing.
Batch mug processing	50s	300°F	330°F	

5. How to set the temperature and timing on the digital board:
  - Press the **MODE** key once; see the middle indicative light turning red. Press the **PLUS** or **MINUS** key to set the **initial heating temperature**;
  - Press the **MODE** key for the second time; see the first and second lights turning red; the same as the temperature setting, set the **highest heating temperature**.
  - Press the **MODE** key for the third time; see the second and third lights turning red; the same as the temperature setting, set the proper heating timing.
  - Press the **MODE** key for the fourth time; see all of the three lights turning off; the machine stands by to work.
  - The initial heating temperature should be set between 200°F ~380°F; the highest heating temperature should be set between 200°F ~430°F; the timing should be set between 0~999 sec.

**PS:** The machine is with a function of automatic limitation, which means it will read the present set temperature and, afterwards set the most proper automatically. When turn on for the first time, the machine will display the initial heating temperature is 340°F, and the highest temperature is 430°F. If the highest temperature is set 250°F, the initial heating temperature will be turned to 200~250°F.

## OPERATION STEPS:


### Introduction

By using the mug heat press, one can transfer colorful logo, human image and scenery picture onto the mugs, esp. well for making gifts, advertisements, propagandas and traveling souvenir and so on. Combining arts and practicality together, the shaped mug can show the individualization.


The heating process can be divided into two sorts: **Slow heating sublimation** and **Quick heating sublimation**. They are of different but similar way to make photo mugs.

### Slow Heating Sublimation

**Operation**

1. Use the handle to open the mug heater; Put in the mug and cover the going-to-be-shaped part with a colorful sublimation paper, on which you have printed the picture beforehand. Pull down the **Handle (1)**
2. Adjust the pressure by loosen or tighten the screws. (**Attention:** If the pressure is too high, the tile will break; if the pressure is too loose, the heating effect will be unbalanced).
3. Turn on the power switch and see the red **Indicative light (5, picture 2)**. The **Heating power** is relatively high at this time so reliable protection from **earth electronic line** is a **MUST**.
4. Preset the corresponding temperature and timing for the mug that is going to be shaped. If you want to know how to set them, please refer to the **Basic Preparation before Using** Chapter. It needs about 3-4 minutes to achieve the **Initial heating temperature**.
5. Press the **Executive Key (4, picture 2)** again.
6. When the temperature achieves the initial heating temperature, it will turn into constant temperature status automatically.
7. Wait for about 40 seconds, and you will hear a hint sound when the machine finishes the sublimation. Pull up the **Handle (1)** and turn off the power. Take out the mug, rip off the paper on it , and you have finished!

**Quick Heating Sublimation****Operation**

1. Turn on the power switch and see the red **Indicative light (5, picture 2)**.
2. Adjust the pressure by loosen or tighten the screws. And take out the mug.
3. Preset the corresponding temperature and timing for the mug that is going to be shaped. If you want to know how to set them, please refer to the **Basic Preparation before Using** Chapter. It needs about 3-4 minutes to achieve the **Initial heating temperature**.
4. When the temperature achieves the **initial heating temperature**, it will turn into constant temperature status automatically.
5. Use the handle to open the mug heater; Put in the mug and cover the going-to-be-shaped part with a colorful sublimation paper, on which you have printed the picture beforehand. Pull down the **Handle (1)**
6. Press the executive key. Be careful of the heat.
7. Wait for about 40 seconds, and you will hear a hint sound when the machine finishes the sublimation. Pull up the **Handle (1)** and turn off the power. Take out the mug, rip off the paper on it , and you have finished!

**NOTICE:**

**\*\***The difference between **Slow and Quick Heating sublimation** is the sequence of operation steps. You should put the mug into the heater from the very beginning in the slow heating sublimation, while you can put in the mug when the heater achieve the initial heating temperature in the quick heating sublimation.

**\*\***Even though you press the **Executive Key (4, picture 2)** before the machine achieves the initial heating temperature, it can finish the whole process also. It will not stop and stay on constant temperature giving out short warning sound.

**\*\***Burning empty of the mug press will not damage the whole machine, but it should be avoided.

**\*\***Do not try to put too-small-sized mug into the heater to make photo mugs. Likewise, do not try to put only a small part of the mug into the heater. If you want to imprint only part of the mug, you should begin with the computer picture processing.

**Whenever there are any problems you cannot solve, please contact our professional technicians to inspect and check. We are at your service all the time. Or please contact your local selling agent for better service.**

### Troubles and Methods to Solve

	Phenomenon	Cause	Handling methods
1	No display after starting up	Poor outlet connection or the protective tube in the machine has been damaged.	Replace with a new power outlet. Or replace the original protective tube with the alternative one.
2	Fail to heating up; continuous declining of temperature as displayed on the instrument; or keep the constant temperature	The heater pad burnt out	Replace with a new heater
3	Fail to heat up after starting up; display of E-1 on the instrument	The temperature probe is damaged	Replace with a new temperature probe
4	Unsatisfied colored	Insufficient temperature or time	Adjust the temperature and increase the heating time
5	Unclear image	Spreading of ink caused by overlong heating time	Reduce the time for printing
6	Part of the image is blurred	Insufficient or uneven clamping force	Adjust the clamping force or replace the mug
7	Deep color, blurred image	Overlong time or over high	Adjust the temperature and time
8	Display of E-0	Temperature The ambient temperature is lower than 0 centigrade	Change the ambient temperature by air conditioners

#### *Brief Introduction to* **Photo USA Electronic Graphic Inc.**

Established in 1992, *Photo USA* is the leading manufacturer in the sublimation coated industry; we have been setting the industry standard in the sublimation and photo mug industries. Located in the capital in China—Beijing, now we have developed our branch offices in Shanghai and Chengdu.

We produce coated ceramic mugs, plates, tiles, ornaments, puzzles, T-shirts, mouse pads, key rings, saving boxes and jewelry boxes and so on. We have been booming for our innovations and marvelous quality. So far we have customers all around 150 countries and shipping thousands of containers each year. Aiming at pursuing beauty and creating a DIY life for you, we sincerely welcome customers home and abroad to establish a solid cooperation relation with us.

Address: 8 Dongdaqiao Rd., Ste 2716, the Spaces Int'l Center, A-2716, Chao Yang District, 100020, Beijing, China  
Tel: (86 10) 58702200 Fax: (86 10) 58701866



# Photo USA Electronic Graphic Inc.

## Professional Sublimation Heating Press Limited Warranty

### A. WHAT IS COVERED

Photo USA Electronic Graphic Inc. ("Photo USA") warrants to the original purchaser that the product enclosed with this Limited Warranty statement and used in the country of purchase will conform to the manufacturer's specifications and be free from defects in workmanship and materials for a period of one (1) year [Heater for three (3) months] from **the date of original purchase**.

### B. WHAT THIS WARRANTY DOES NOT COVER

This warranty covers only normal office-environment use in the country of original purchase. Heaters are warranted separately under the terms of Section C below. Photo USA is not responsible for warranty service should the Photo USA warranty be lost or should the product fail to be properly maintained or fail to function properly as a result of misuse, abuse, improper installation, neglect, duty cycle abuse, improper shipping, damage caused by disasters such as fire, flood, and lightning, improper electrical current, interaction with non-Photo USA products, or service other than by a Photo USA Authorized Service Provider. Duty cycle abuse is defined as operation of this heating press beyond its nominal duty cycle; all repairs thereafter are to be billed on a time and material basis. Postage, insurance, or shipping costs incurred in presenting your Photo USA product for warranty service are your responsibility. If a claimed defect cannot be identified or reproduced in service, you will be held responsible for costs incurred. **IMPORTANT:** Whenever replacing any heating parts, be certain that the power has been cut off and the power pin has been pulled out. Non-warranty damage to your heating press could result from the use of unprotected machine replacement.

### C. Heater Warranty

Photo USA warrants that, under normal use and service, heaters shall be free from defects in material and workmanship for three (3) months from the date of original purchase. In the event a warranty claim is submitted for a defective heater, Photo USA shall have the right to inspect the heating press, heater for the purpose of verifying that any such claimed defect has not been caused by non-Photo USA approved sublimation materials (ink, paper, adhesive tape and coated mug), non-Photo USA approved printer, and/or non-Photo USA approved electronic voltage.

**PHOTO USA SHALL NOT BE HELD LIABLE FOR THE INTEGRITY AND/OR LONGEVITY OF ANY PHOTOGRAPHIC IMAGES, DIGITIZED IMAGES, HOLOGRAPHIC IMAGES, GRAPHICS, PATTERNED OVERLAYS, OR COMBINATION THEREOF THAT ARE PRODUCED, GENERATED, OR OTHERWISE TRANSFERRED BY THE USE OF PHOTO USA'S HARDWARE UNDER THIS AGREEMENT.**

**NEITHER PHOTO USA ELECTRONICS, INCORPORATED NOR ITS AFFILIATEDS SHALL BE LIABLE FOR ANY LOSS, INCONVENIENCE, OR DAMAGE, INCLUDING DIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR INABILITY TO USE THE PHOTO USA PRODUCT, WHETHER RESULTING FROM BREACH OF WARRANTY, OR DID ANY OTHER LEGAL THEORY EVEN IF PHOTO USA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

This Warranty gives you specific legal rights, and you may also have other legal rights that vary from state to state and/or country to country.

**PRODUCT INFORMATION**

MODEL: \_\_\_\_\_ NAME: \_\_\_\_\_  
 PRODUCING AREA: \_\_\_\_\_  
 BASIC COLLECTIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 CONFIRM MAN: \_\_\_\_\_ DATE: \_\_\_\_ / \_\_\_\_ / \_\_\_\_ (MM/DD/YY)

**CLIENT INFORMATION**

NAME: \_\_\_\_\_  
 COMPANY AND ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 CITY: \_\_\_\_\_ ZIPCODE: \_\_\_\_\_  
 COUNTRY: \_\_\_\_\_  
 TEL (very important): \_\_\_\_\_ FAX: \_\_\_\_\_  
 E-MAIL: \_\_\_\_\_  
 DEFECTIVE DESCRIPTION: \_\_\_\_\_

**REPAIRMENT RECORDS**

	Repairing date	Defection Description	Repairer Signature
1			
2			
3			
4			

**\*This warranty card must be presented for warranty service.**

To get more information about the warranty, please e-mail, call or fax the following:

E-mail: [sales@meikeda.com](mailto:sales@meikeda.com) or contact your local sales agent.

Tel: +86 10 58702200

Fax: +86 10- 5870 1866/1899

Or write to: Photo USA Electronic Graphic Inc.

8 DongDaQiao Road, Ste 2716, the Spaces International Center, Chaoyang District,  
 Beijing, 100020 China.

Website: [www.meikeda.com](http://www.meikeda.com)