



# **AUC Cell Component Press**

**User Manual**

# WARRANTY

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Spin Analytical Inc., warrant this product to be defect free in both material and workmanship for 90 days from the date of shipment. Labor services are guaranteed for 3 months. During the warranty period, we will, at our discretion, either repair or replace any product or product components that proves to be defective.

For warranty support and information please visit our website at [www.spinanalytical.com](http://www.spinanalytical.com) or contact a customer service representative at [support@spinanalytical.com](mailto:support@spinanalytical.com)

## LIMITATION OF WARRANTY

This warranty does not apply to defects resulting from product modification without Spins written consent, misuse of any product or part, or failure to follow instructions.

# SAFETY PRECAUTIONS

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This product is intended for use by qualified personnel who recognize hazards and are familiar with the safety precautions required to avoid possible injury. Read and follow all installation, operation and maintenance information carefully before using this product. Refer to the manual for complete product specifications.

If the product is used in a manner not specified, the protection provided by the product may be impaired.

Only use approved Spin Analytical accessories with the AUC Cell Component Press. Improper use of the Component press can result in damage to your AUC cell components.

When using the AUC Cell Component Press:

- Hold the plunger by the outside edge of the brass handle so your fingers don't get pinched by the component press shaft.
  - The component press can exert strong forces down on the plunger. It is possible to damage/destroy the cell components if excessive force is applied. Use common sense when working with the component press.
  - If the component press is not secured to the bench with the screws supplied, it is possible that the tool could tip over when force is applied to the shaft handle.
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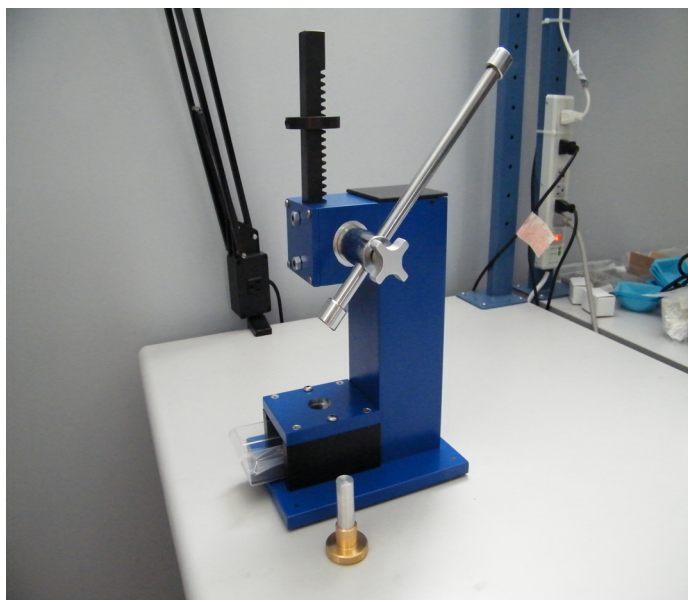
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# AUC Cell Component Press

## 1 Introduction

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The AUC cell component press is a tool for safely ejecting the parts of an AUC cell from the cell housing. In some cases cell components can become stuck in the cell housing and can be extremely difficult to remove. The cell component press can be used to remove these stuck components. The shaft of the component press is moved up and down with a handle on the right side of the tool. The shaft presses on an aluminum plunger with brass handle that is held by the operator while rotating the shaft of the handle. The plunger can also be used as a stand alone tool to gently press components out of a cell housing with the palm of your hand. The component press shaft also has a steel stop collar at the top of the shaft which should not be removed. This stop prevents the shaft from pressing down too far and so protects the cell housing from being damaged.



## 2 Component Press Included Equipment

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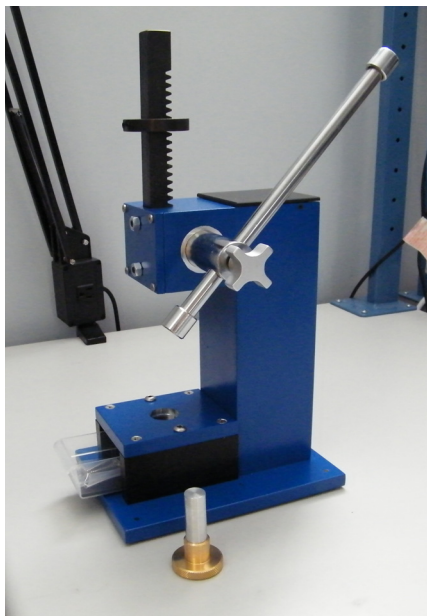
### *Included AUC Cell Component Press Contents*

- (1) Component Press
- (1) Metal plunger
- (1) Foam lined drawer
- (4) #8 wood screws
- (1) drill template and twist drill

### 3 Setup Instructions

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To setup the AUC Cell Component Press, locate a place on your bench. The cell component press can be used without being screwed down, however, in some cases you may want to apply strong pressure on components that are hard to remove. In these cases, it may be preferable to use the (4) screws provided to secure the component press to the bench. Insert the foam lined drawer into the front of the press between the two black plastic legs (see Figure 1).



**Figure 1: Cell Component press with plunger and foam lined drawer**

In order to secure the component press to the bench, use the template provided to mark the hole locations on the bench. Pre-drill the holes with the provided drill bit. Screw the press to the bench with the (4) #8 pan head wood screws provided.

**NOTE** If the component press is not secured to the bench with the screws supplied, it is possible that the tool could tip over when force is applied to the shaft handle.

### 4 Product Operation

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***To use the AUC Cell Component Press:***

1. Remove the fill hole screws and gaskets from the cell housing.
2. Using a torque stand, remove the screw ring from the top of the housing.
3. Use a dental pick to remove the screw ring gasket from the top of the housing stack.
4. Place the cell housing into the holder on the cell component press with the bottom of the housing facing up.

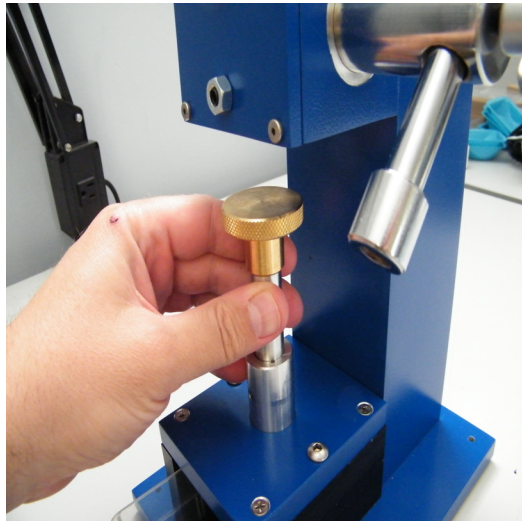
5. Place the aluminum shaft of the plunger into the bottom hole in the housing. The plunger will press against the surface of the aluminum bottom window holder. (see Figure 2)

**CAUTION:** Hold the plunger by the outside edge of the brass handle so your fingers don't get pinched by the component press shaft.

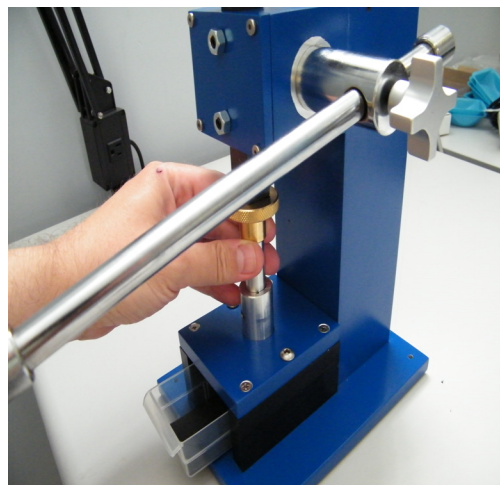
6. Holding the plunger in place with one hand, lower the shaft of the press by pulling the press handle toward the front of the tool. The shaft will contact the brass handle at the top of the plunger (see Figure 3).

7. Continue to press down on the press handle to eject the cell components into the foam lined drawer at the base of the component press.

**CAUTION:** The component press can exert strong forces down on the plunger. It is possible to damage/destroy the cell components if excessive force is applied. Please use caution when working with the component press.



**Figure 2: Aluminum shaft of plunger engaged against bottom window holder**



**Figure 3: Removing AUC cell components with plunger**