

# CitoPress-1



**The fastest way to mounting and increased productive capacity**



## **CitoPress-1 is offering ultra-short mounting times and maximum user-friendliness**

### **Features**

- Low mass mounting units for fast heating
- Individually controlled parameters: temperature, force/pressure, heating time, cooling time
- Automatic detection of cylinder dimension
- Display and touch pad controls
- Low build-height for easy visual control
- Triple-threaded, no-jam top closure
- Simple access for easy cleaning
- Top closure elevator for easy positioning
- Powerful heating unit (1000 W)
- Hydraulic system with high accuracy pressure control
- 3 preset cooling levels (Hi/Med/Lo)



## CitoPress-1 increases your capacity

CitoPress-1 is a powerful mounting press, giving you high speed and maximum user-friendliness. The result is faster turn-around and increased productive capacity. CitoPress-1 is provided with a hydraulic system, where the pressure is controlled with very high accuracy, securing fragile specimens. CitoPress-1 is equipped with a single cylinder and all settings and dosing are manual, which makes it ideal for customers doing few samples.

## User-friendly software

### Automatic detection of cylinder dimension

When changing the cylinder dimension, the press automatically detects the new size, and adjusts the method parameters accordingly. In this fashion, errors from an incorrect cylinder setting are eliminated. Pressure as well as heating time and cooling time can be controlled individually, ensuring full flexibility in mounting.

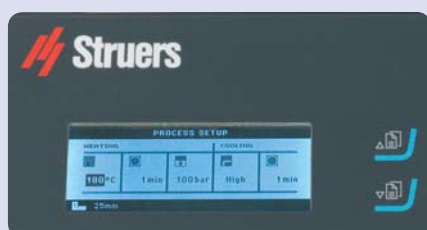
### Acoustic alarm

CitoPress-1 comes with an acoustic alarm, notifying the user when the mount is ready.

## User-friendly design

### Display and touch pad controls

CitoPress-1 features a LCD display, which graphically shows parameter settings and mounting progress. Changing parameters is fast by using the touch pad controls.



The display and touch pad controls facilitate fast selection of parameters

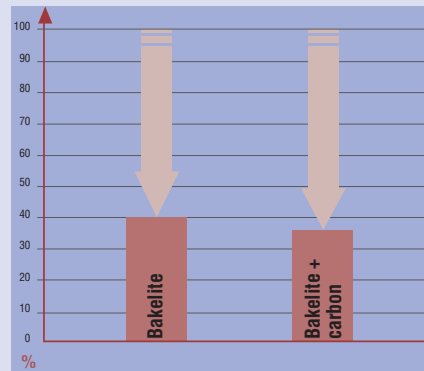
### Low build height

Low build height means easy visual inspection of the mounting cylinder. This is relevant e.g. if tall, thin samples are to be mounted, and the operator wants to check if the sample still stands after adding resin. Another typical situation would be if multiple samples are to be included in the same mount.

### Easy cleaning

The door to the mounting unit tower swings open for easy access to the mounting unit.

CitoPress-1 mounting times for different resins, compared to competing presses (competing presses = 100%)



CitoPress-1 can reduce mounting times to nearly one third, compared to competing presses. (Applies for a 30 mm dia. cylinder. When using a 40 mm dia. cylinder CitoPress-1 can reduce mounting times by half)



Low mass mounting unit and top closure



ClaroFast is a transparent hot mounting resin, offering you transparent mounts with a clear view to all sample details

### Compact mounting units

CitoPress-1 is equipped with compact, low-mass mounting units significantly reducing heating time. Available cylinder diameters: 25, 30, 40, 50 mm, 1¼" and 1½".

### Simple top closure

The press comes with a top-closure elevator. Any handling problems of the top closure as seen on other presses are solved by the top closure design. The CitoPress-1 top closure is with triple-thread. Thus, the entire process of mounting the top closure follows with a minimum of effort.

## Saves money and resource

The benefit of shorter heating times is reduced energy consumption. Compared to competing presses, less than half the power is required to heat the mounting unit.

### Three preset cooling levels

CitoPress-1 comes with three preset cooling levels (Hi/Med/Lo). The main advantage is water saving, meaning that the MEDIUM mode can be used in most cases, and water usage reduced significantly. Thermoplastic resins require far longer cooling times than thermosetting. With CitoPress-1, the cooling level can be set to match the resin. E.g., instead of reducing the flow at the water tap, the level can be reduced by selecting the LOW mode.



Top closure elevator for easy handling



### Specifications

**CitoPress-1** Automatic, electro-hydraulic hot mounting press with one cylinder. Mounting units are ordered separately.

**Code**

CITON

**Cat. no**

05776127

**Mounting units** Consisting of heating/cooling unit, lower ram and top closure with upper ram.

Cylinder diameter 1½"

MOU12

05786127

Cylinder diameter 1¼"

MOU14

05786227

Cylinder diameter 25 mm

MOU25

05786327

Cylinder diameter 30 mm

MOU30

05786427

Cylinder diameter 40 mm

MOU40

05786527

Cylinder diameter 50 mm

MOU50

05786627



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