

# CITOPRESS-5

 **Struers**  
Ensuring Certainty

The fastest way  
to mounting and  
increased productive  
capacity



## CitoPress-5 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)





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

## CitoPress-5 increases your capacity

CitoPress-5 is a powerful mounting press, giving you high speed and maximum user-friendliness. The result is faster turnaround and increased productive capacity. CitoPress-5 is provided with a hydraulic system, where the pressure is controlled with very high accuracy, securing fragile specimens. CitoPress-5 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.

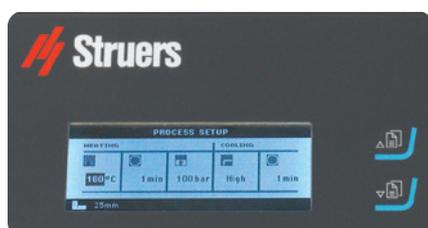
### Acoustic alarm

CitoPress-5 comes with an acoustic alarm, notifying the user when the mount is ready.

## User-friendly design

### Display and touch pad controls

CitoPress-5 features a LCD display, which graphically shows parameter settings and mounting progress.



The display and touch pad controls facilitate fast selection of parameters

Changing parameters is fast by using the touch pad controls.

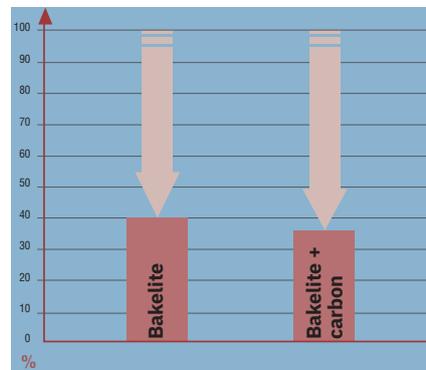
### Low build height

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-5 mounting times for different resins, compared to competing presses (competing presses = 100%)



CitoPress-5 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-5 can reduce mounting times by half)



Low mass mounting unit and top closure

### Compact mounting units

CitoPress-5 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-5 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

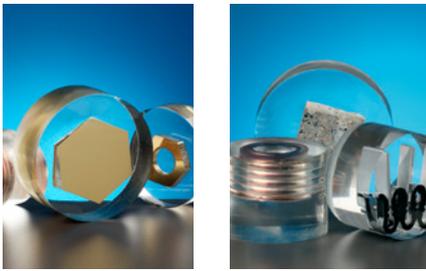
The benefit of shorter heating times is reduced energy consumption. Compared to competing presses, less than half the power is required to heat the mounting unit.

### Three preset cooling levels

CitoPress-5 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-5, the cooling level can be set to match the resin. E.g., instead of reducing the cooling level by manually reducing the flow at the water tap, the level can be reduced by selecting the LOW mode.



Top closure elevator for easy handling



## EasyDoser

EasyDoser is the first universal manual dosing system on the market, making resin dosing both simpler and safer. The doser is applicable with Struers 1 kg resins, and can be used with any hot mounting press to make resin dosing as simple and convenient as possible. No spoons or funnels are required, the doser is attached directly on the Struers resin container, meaning a dust free free and correct dosing of your Strues hot mounting resins.

EasyDoser is also ideal when using two different resins in one mount. The dosing unit comes with 7.5 ml, 10 ml, 15 ml, 25 ml and 30 ml replaceable dosing compartments.



## Specifications

Cat. no

### CitoPress-5

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

05776127

### Mounting units

Consisting of heating/cooling unit, lower ram and top closure with upper ram.  
Upper ram with waistline.

Cylinder diameter 1½"

05788127

Cylinder diameter 1¾"

05788227

Cylinder diameter 25 mm

05788327

Cylinder diameter 30 mm

05788427

Cylinder diameter 40 mm

05788527

Cylinder diameter 50 mm

05788627

### Chamfered ram

Lower, chamfered ram. To prevent sharp edge on mounted sample.

Cylinder diameter 25 mm

05786900

Cylinder diameter 30 mm

05786901

Cylinder diameter 1¼"

05786902

Cylinder diameter 1½"

05786903

Cylinder diameter 40 mm

05786904

Cylinder diameter 50 mm

05786905

### Accessories

EasyDoser

05796902

EasyDoser



Easy access means quick change of mounting units and easy cleaning

## Technical data

Subject	Specification
<b>Mounting unit</b>	
Mounting dia.	25, 30, 40, 50 mm, 1¼", 1½"
<b>Mounting press</b>	
<b>Mounting parameters</b>	
Pressure	50-350 bar / 725-5076 psi in steps of 25 bar / 363 psi*
Heating time	1-15 min in steps of 0.5 min
Heating temperature	120-150-180°C / 248-302-356°F
Cooling time	1-15 min in steps of 0.5 min
Cooling rate	High: Full flow Medium: 20% of full flow Low: 3% of full flow
<b>Software and electronics</b>	
Controls	Touch pads
LCD display with white LED backlight	160x240 dots
<b>Noise levels</b>	
Idle	0 dB (A)
Max.	63 dB(A)
<b>Working environment</b>	
Temperature, operational	5-40°C / 41-104°F
Humidity, non-condensing	< 85% RH
<b>Supply</b>	
Voltage / frequency	100-120V / 50-60Hz, 200-240V / 50-60Hz
Power inlet	1-phase (N+L1+PE) or 2-phase (L1+L2+PE) <i>The electrical installation must comply with "Installation Category II"</i>
Power, idle	8W
Power, max.	1300W@100-120V / 1300W@200-240V
Current, max.	13A@100-120V / 5.6A@200-240V
Water pressure (tap water)	1-6 bar/ 14.5 - 87 psi
Water inlet	10mm / 0.4 "
Water outlet	ø10 mm
<b>Dimensions and weight</b>	
Width	480 mm / 19"
Depth	560 mm / 22"
Height	450 mm / 17.7 "
Weight	34 kg / 75 lbs

\* With a 50 mm cylinder the pressure can be set to 50 - 250 bar / 725 - 3626 psi.

Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards. (Please contact your local supplier for details)

Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice