



## Increase Your Capacity – The fastest way to mounting and increased productive capacity



- Intuitive operation secures faster turnaround and a minimum of errors
- Can reduce mounting times to nearly one third
- User-friendly software for your convenience

# The fastest hot mounting press in the market

CitoPress is a powerful hot mounting press, giving you high speed and maximum user-friendliness. The result is faster turnaround and increased productive capacity.

## Intuitive operation

With the intuitive turn/push knob, method parameters (temperature, pressure, heating time, cooling time) can be controlled individually, ensuring full flexibility in mounting.

The turn/push-knob gives access to the following standard options:

## User-friendly software

The built-in Hot Mounting Application Guide takes user-friendliness to a new level. You have the mounting parameters for all Struers resins right on the press.

Select the Struers resin to be used, and CitoPress automatically checks the cylinder diameter used, adapts the appropriate method, after which it is displayed – ready for use.

It is also possible to choose between:

- Sensitive option:  
Dual phase heating and pressure, for fragile/porous specimens
- Database option:  
Method database for up to 15 user-defined methods

## Countdown timer

After pressing start, a countdown timer shows remaining total cycle time.

## Automatic dosing system

The optional CitoDoser is an automatic dosing system that means faster filling of the cylinders and less spilling of resins.

When using CitoDoser the last used method is automatically stored and recalled when the relevant Doser is placed on the press.

## Stand-by mode

Used for serial mounting. Maintains a minimum temperature of 20-60°C on the mounting unit, thus cutting down on the heating time. Unlike other presses, stand-by heating can be switched off.

## Operation mode

Three different operation levels are available for selecting levels of user access:

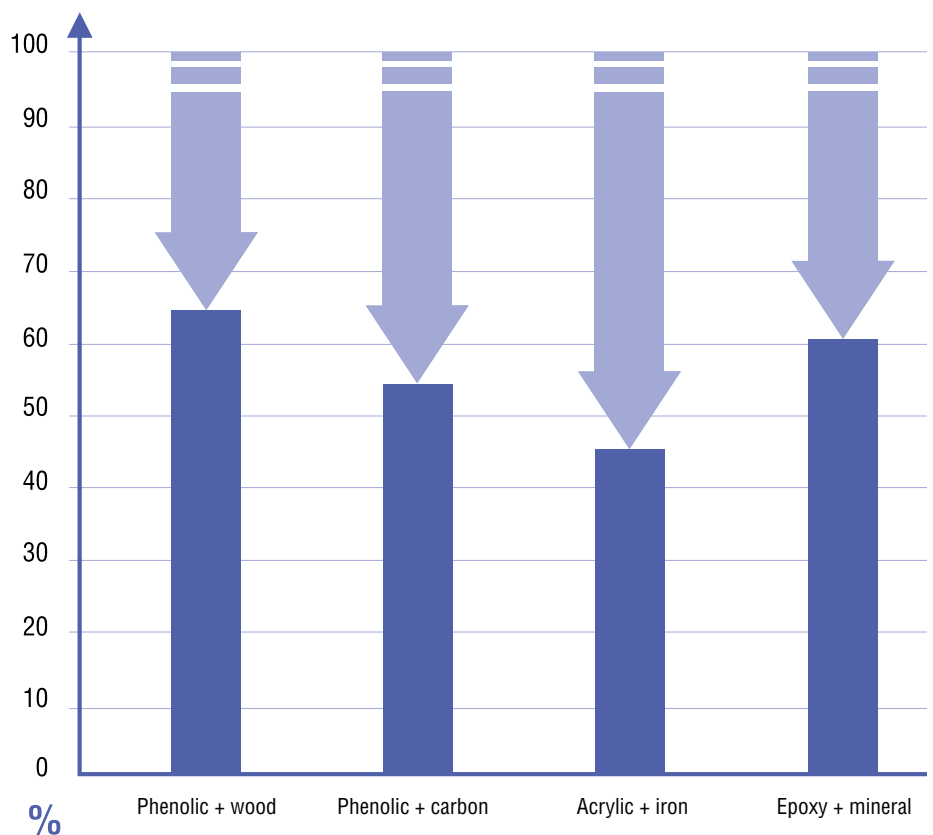
- Production mode
- Development mode
- The Configuration mode

## Saves money and resources

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.

CitoPress has three preset cooling levels; High, Medium and Low to match the resin. The main advantage is water saving, meaning that the Medium mode can be used in most cases, and water usage reduced significantly.

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



*CitoPress 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 can reduce mounting times by half)*

SPECIFICATIONS	Cat. no.
<b>CitoPress-30</b> Advanced, electro-hydraulic hot mounting press with two cylinders, which can be used individually. Built-in Hot Mounting Application Guide with automatic conversion of method parameters. Mounting units are ordered separately. Optional dosing unit CitoDoser and Base Unit (05796101+ 05796102), recirculation Cooling system 7 (05767XXX), Database (05736900) and Sensitive mode (05736901).	05746127
<b>CitoPress-15</b> Advanced, electro-hydraulic hot mounting press with one cylinder. Built-in Hot Mounting Application Guide with automatic conversion of method parameters. Mounting units are ordered separately. Optional dosing unit CitoDoser and Base Unit (05796101+05796102), recirculation Cooling system 7 (05767XXX), Database (05736900) and Sensitive mode (05736901).	05736127
<b>Mounting units</b> Consisting of heating/cooling unit, lower ram and top closure with upper ram. Rams with anti-stick coating, upper ram with waistline.	
Cylinder diameter 1½"	05788127
Cylinder diameter 1¼"	05788227
Cylinder diameter 25 mm	05788327
Cylinder diameter 30 mm	05788427
Cylinder diameter 40 mm	05788527
Cylinder diameter 50 mm	05788627
<b>Chamfered ram</b> Lower, chamfered ram. To prevent sharp edge on mounted sample.	
Cylinder diameter 25 mm	05786900
Cylinder diameter 30 mm	05786901
Cylinder diameter 1 ¼"	05786902
Cylinder diameter 1 ½"	05786903
Cylinder diameter 40 mm	05786904
Cylinder diameter 50 mm	05786905
<b>CitoDoser</b> Semi-automatic dosing unit with electronic ID-tag for automatic recognition by hot mounting press. Requires CitoDoser Base (05796102).	05796101
<b>CitoDoser Base Unit</b> Base unit for use with CitoDoser (05796101).	05796102
<b>CitoPress Database</b> Database option. Store up to 15 mounting methods	05736900
<b>CitoPress Sensitive</b> Sensitive option. Dual phase heating and pressure for fragile/porous specimens.	05736901
<b>Cooling System 7</b> With 50 l tank (05766906), small pump (05766xxx), Cooli-1 (05761116) and lid for cooling unit (05766925).	See separate brochure
<b>Cooling System 5</b> With 100 l tank (05766905), small pump (05766xxx), Cooli-1 (05761116) filter bag (05766928) and adapter plate (05766927)	See separate brochure
<b>Accessories</b> HandyDoser	05736902

TECHNICAL DATA	
SUBJECT	SPECIFICATION
<b>Mounting unit</b>	
Mounting dia.	25, 30, 40, 50 mm, 1¼", 1½"
No. of mounting units	CitoPress-15: 1 CitoPress-30: 2
<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	80-180°C /176-356°F in steps of 5°C / 9°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
Dosing rate (with optional CitoDoser)	20-150%
<b>Software and electronics</b>	
LCD display with white LED backlight	320 x 240 dots
<b>Noise levels</b>	
Idle	0 dB (A)
Max.	56 dB(A)
<b>Working environment</b>	
Temperature, operational	5-40°C / 41-104°F
Humidity, non-condensing	0-95% RH
<b>Supply</b>	
Voltage / frequency	100-240V / 50-60 Hz Auto detection and auto switch over 1-phase (N+L+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with "Installation Category II"
Power inlet (IEC320-C13)	8W CitoPress-15: 1300W@100-120V 1300W@200-240V CitoPress-30: 1300W@100-120V 2300W@200-240V
Power, idle	
Power, max.	CitoPress-15: 13A@100-120V 5.6A@200-240V CitoPress-30: 13A@100-120V 10A@200-240V
Current, max.	
Water pressure	1-10 bar / 14.5-145 psi
Water inlet	¾"
Water outlet	ø13 mm
<b>Dimensions and weight</b>	
Width	CitoPress-15: 480 mm / 19" CitoPress-30: 550 mm / 21½"
Depth	560 mm / 22"
Height	450 mm / 17,7" (excl. CitoDoser) 550 mm / 21½" (incl. CitoDoser)
Weight	CitoPress-15: 34 kg / 75 lbs CitoPress-30: 48 kg / 106 lbs CitoDoser: 3.1 kg / 7 lbs

*Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards. (Please contact you 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.*

# Available in two models CitoPress-30 with CitoPress-15 with



## HandyDoser\* - when combining two resins

Combining CitoDoser with HandyDoser, no spoons or funnels are required any more, and dosing the right volume becomes really easy.



## Remote signalling

The mounting unit tower is equipped with a LED-bar, which lights up when a process is started, and flashes when the process is completed.



## Easy cleaning

Easy access means quick change of mounting units and easy cleaning.



## Intuitive operation

The large LCD display and the turn/push-knob facilitate a fast and easy selection of parameters.

Compact, low-mass mounting units significantly reduces heating time

Extended temperature range: 80-180°C

Selectable Stand-by heat with sleep function



# models: dual cylinders a single cylinder

Hydraulic system  
controls the pressure  
with very high  
accuracy, securing  
fragile specimens

Low build height for  
easy visual inspection

Powerful heating unit  
(1000 W)



### CitoDoser\*

The unique automatic dosing system enables dosing of a pre-set amount of mounting resin meaning faster filling of the cylinders and less spilling of resins.



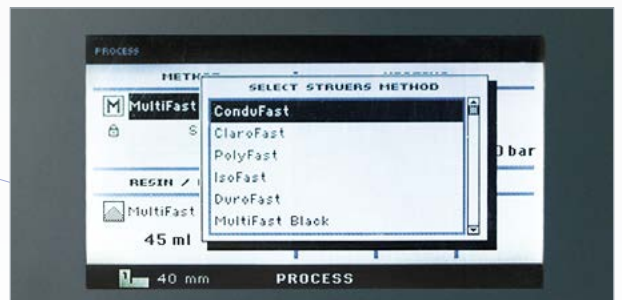
### Top closure elevator for easy positioning

Any handling problems of the top closure as seen on other presses are solved by the top closure design.



### Automatic detection of cylinder dimension

When changing the cylinder dimension, the press automatically detects the new size, and adjusts the method parameters accordingly.



### On screen application guide

Secures faster turnaround, a minimum of errors and the shortest possible set-up time.

\*Optional

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### Ensuring Certainty

*With offices and affiliates in 24 countries and a presence in more than 50 countries worldwide, Struers is the world's leading materialographic solution supplier. We are dedicated to enabling our customers to ensure certainty in all aspects of materialographic preparation and testing as well as material hardness testing - wherever they are in the world. Struers offers a complete range of equipment, consumables, service and training programmes – all supported by the most comprehensive knowledge base, global applications support and a certified global service set-up.*

### Learn more

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