


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



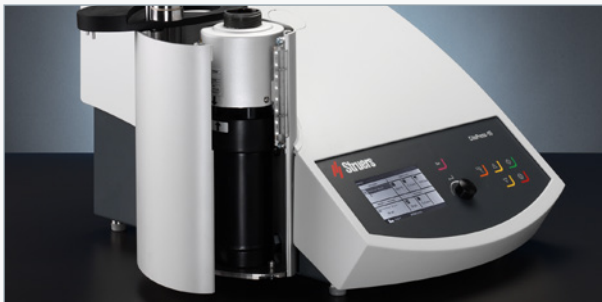
EasyDoser*

EasyDoser is the first universal manual dosing system on the market, making resin dosing both simpler and safer. EasyDoser is also ideal when using two different resins in one mount. Combining CitoDoser with EasyDoser, no spoons or funnels are required any more, and dosing the right volume becomes both simpler and safer.



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.

**Available in two models:
CitoPress-30 with
CitoPress-15 with**

**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.



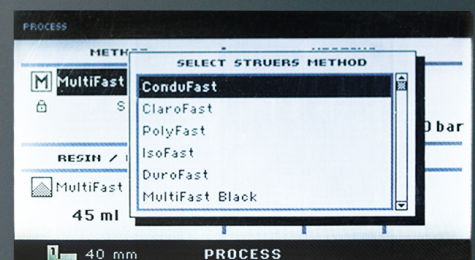
Top closure elevator for easy positioning

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.

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:

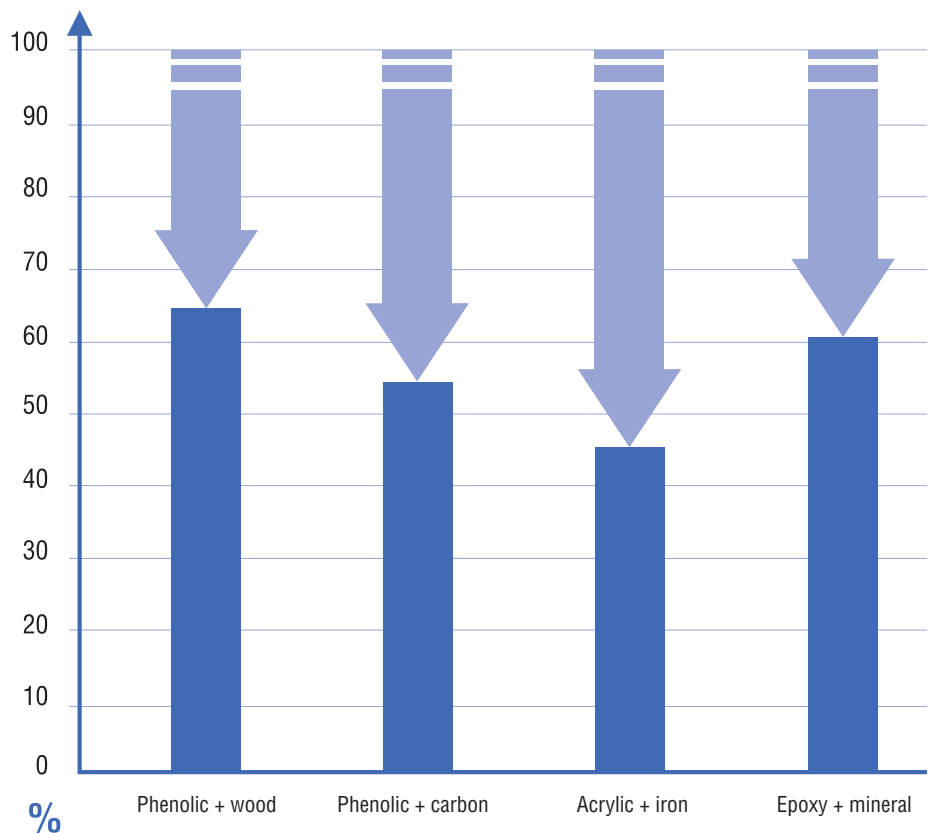
- Production mode
- Development mode
- The Configuration mode

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. |
|---|-----------------------|
| CitoPress-30 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 |
| CitoPress-15 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 |
| 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 1¼" | 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 1 ¼" | 05786902 |
| Cylinder diameter 1 ½" | 05786903 |
| Cylinder diameter 40 mm | 05786904 |
| Cylinder diameter 50 mm | 05786905 |
| CitoDoser Semi-automatic dosing unit with electronic ID-tag for automatic recognition by hot mounting press. Requires CitoDoser Base (05796102). | 05796101 |
| CitoDoser Base Unit Base unit for use with CitoDoser (05796101). | 05796102 |
| CitoPress Database Database option. Store up to 15 mounting methods | 05736900 |
| CitoPress Sensitive Sensitive option. Dual phase heating and pressure for fragile/porous specimens. | 05736901 |
| Cooling System 7 With 50 l tank (05766906), small pump (05766xxx), Cooli-1 (05761116) and lid for cooling unit (05766925). | See separate brochure |
| Accessories EasyDoser | 05796902 |

| TECHNICAL DATA | |
|--|---|
| SUBJECT | SPECIFICATION |
| Mounting unit | |
| Mounting dia. | 25, 30, 40, 50 mm, 1¼", 1½" |
| No. of mounting units | CitoPress-15: 1 CitoPress-30: 2 |
| Mounting press | |
| Mounting parameters | |
| 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% |
| Software and electronics | |
| LCD display with white LED backlight | 320 x 240 dots |
| Noise levels | |
| Idle | 0 dB (A) |
| Max. | 63 dB(A) |
| Working environment | |
| Temperature, operational | 5-40°C / 41-104°F |
| Humidity, non-condensing | < 85% RH |
| Supply | |
| Voltage / frequency | 100-120v/50-60 Hz, 200-240v/50-60 Hz |
| Power inlet | 1-phase (N+L1+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with "Installation Category II" |
| Power, idle | 8W |
| Power, max. | CitoPress-15: 1300W@100-120V 1300W@200-240V CitoPress-30: 1300W@100-120V 2300W@200-240V |
| Current, max. | CitoPress-15: 13A@100-120V 5.6A@200-240V CitoPress-30: 13A@100-120V 10A@200-240V |
| Water pressure | 1-6 bar / 14.5 - 87 psi |
| Water inlet | ¾" |
| Water outlet | ø10 mm |
| Dimensions and weight | |
| 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 |

* 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.

Struers ApS
Pederstrupvej 84
DK-2750 Ballerup, Denmark

Phone +45 44 600 800
Fax +45 44 600 801
struers@struers.dk
www.struers.com

SINGAPORE
Struers Singapore
627A Aljunied Road,
#07-08 BizTech Centre
Singapore 389842
Phone +65 6299 2268
Fax +65 6299 2661
struers.sg@struers.dk

SPAIN
Struers España
Camino Cerro de los Gamos 1
Building 1 - Pozuelo de Alarcón
CP 28224 Madrid
Teléfono +34 917 901 204
Fax +34 917 901 112
struers.es@struers.es

FINLAND
Struers ApS, Suomi
Hietalahdenranta 13
00180 Helsinki
Puhelin +358 (0)207 919 430
Faksi +358 (0)207 919 431
finland@struers.fi

SWEDEN
Struers Sverige
Box 20038
161 02 Bromma
Telefon +46 (0)8 447 53 90
Telefax +46 (0)8 447 53 99
info@struers.se

UNITED KINGDOM
Struers Ltd.
Unit 11 Evolution @ AMP
Whittle Way, Catcliffe
Rotherham S60 5BL
Tel. +44 0845 604 6664
Fax +44 0845 604 6651
info@struers.co.uk

USA
Struers Inc.
24766 Detroit Road
Westlake, OH 44145-1598
Phone +1 440 871 0071
Fax +1 440 871 8188
info@struers.com

AUSTRALIA & NEW ZEALAND
Struers Australia
27 Mayneview Street
Milton QLD 4064
Australia
Phone +61 7 3512 9600
Fax +61 7 3369 8200
info.au@struers.dk

BELGIUM (Wallonie)
Struers S. A. S.
370, rue du Marché Rollay
F- 94507 Champigny
sur Marne Cedex
Téléphone +33 1 5509 1430
Télécopie +33 1 5509 1449
struers@struers.fr

BELGIUM (Flanders)
Struers GmbH Nederland
Zomerdijk 34 A
3143 CT Maassluis
Telefoon +31 (10) 599 7209
Fax +31 (10) 5997201
netherlands@struers.de

CANADA
Struers Ltd.
7275 West Credit Avenue
Mississauga, Ontario L5N 5M9
Phone +1 905-814-8855
Fax +1 905-814-1440
info@struers.com

CHINA
Struers Ltd.
No. 1696 Zhang Heng Road
Zhang Jiang Hi-Tech Park
Shanghai 201203, P.R. China
Phone +86 (21) 6035 3900
Fax +86 (21) 6035 3999
struers@struers.cn

CZECH REPUBLIC & SLOVAKIA
Struers GmbH Organizační složka
vědeckotechnický park
Přílepská 1920,
CZ-252 63 Rožtoky u Prahy
Phone +420 233 312 625
Fax +420 233 312 640
czechrepublic@struers.de
slovakia@struers.de

GERMANY
Struers GmbH
Carl-Friedrich-Benz-Straße 5
D- 47877 Willich
Telefon +49 (0) 2154 486-0
Fax +49 (0) 2154 486-222
verkauf@struers.de

FRANCE
Struers S. A. S.
370, rue du Marché Rollay
F-94507 Champigny
sur Marne Cedex
Téléphone +33 1 5509 1430
Télécopie +33 1 5509 1449
struers@struers.fr

HUNGARY
Struers GmbH
Magyarországi Fióktelepe
2040 Budaörs
Szabadság utca 117
Phone +36 2380 6090
Fax +36 2380 6091
Email: hungary@struers.de

IRELAND
Struers Ltd.
Unit 11 Evolution@ AMP
Whittle Way, Catcliffe
Rotherham S60 5BL
Tel. +44 0845 604 6664
Fax +44 0845 604 6651
info@struers.co.uk

ITALY
Struers Italia
Via Monte Grappa 80/4
20020 Arese (MI)
Tel. +39-02/38236281
Fax +39-02/38236274
struers.it@struers.it

JAPAN
Struers K.K.
Takanawa Muse Bldg. 1F
3-14-13 Higashi-Gotanda,
Shinagawa
Tokyo
141-0022 Japan
Phone +81 3 5488 6207
Fax +81 3 5488 6237
struers@struers.co.jp

NETHERLANDS
Struers GmbH Nederland
Zomerdijk 34 A
3143 CT Maassluis
Telefoon +31 (10) 599 7209
Fax +31 (10) 5997201
netherlands@struers.de

NORWAY
Struers ApS, Norge
Sjøslogenveien 44C
1407 Vinterbro
Telefon +47 970 94 285
info@struers.no

AUSTRIA
Struers GmbH
Zweigniederlassung Österreich
Betriebsgebiet Puch Nord 8
5412 Puch
Telefon +43 6245 70567
Fax +43 6245 70567-78
austria@struers.de

POLAND
Struers Sp. z o.o.
Oddział w Polsce
ul. Jasnogórska 44
31-358 Kraków
Phone +48 12 661 20 60
Fax +48 12 626 01 46
poland@struers.de

ROMANIA
Struers GmbH, Sucursala Bucuresti
Str. Preciziei nr. 6R
062203 sector 6, Bucuresti
Phone +40 (31) 101 9548
Fax +40 (31) 101 9549
romania@struers.de

SWITZERLAND
Struers GmbH
Zweigniederlassung Schweiz
Weissenbrunnenstraße 41
CH-8903 Birmensdorf
Telefon +41 44 777 63 07
Fax +41 44 777 63 09
switzerland@struers.de

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

Contact a Struers sales representative today or visit www.struers.com



e-Shop

Buy your consumables
in Struers e-Shop!
e-shop.struers.com