



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:

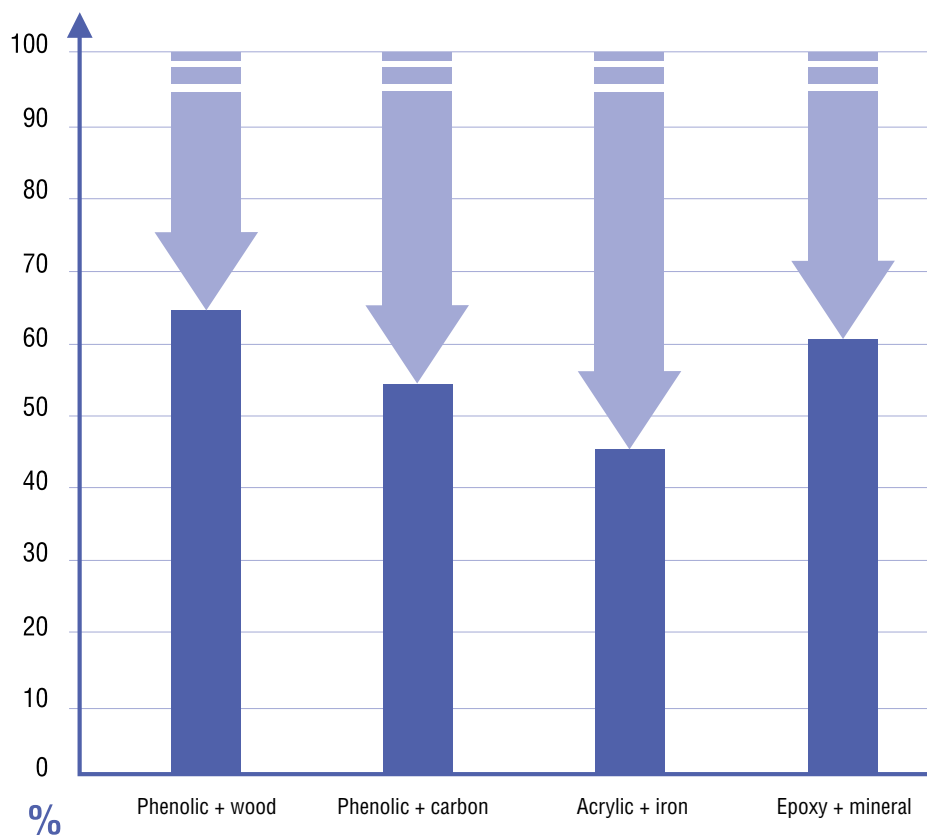
- Production mode
- Development mode
- The Configuration mode

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.
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. 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
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
Cooling System 5 With 100 l tank (05766905), small pump (05766xxx), Cooli-1 (05761116) filter bag (05766928) and adapter plate (05766927)	See separate brochure
Accessories HandyDoser	05736902

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.	56 dB(A)
Working environment	
Temperature, operational	5-40°C / 41-104°F
Humidity, non-condensing	0-95% RH
Supply	
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
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

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.



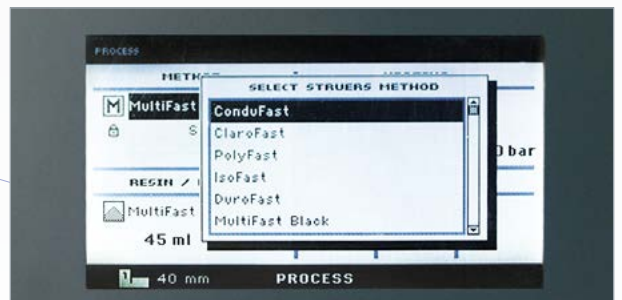
Top closure elevator for easy positioning

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

Struers ApS
 Pederstrupvej 84
 DK-2750 Ballerup, Denmark
 Phone +45 44 600 800
 Fax +45 44 600 801
 struers@struers.dk
 www.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

BELGIQUE (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

Elektraweg 5
 3144 CB 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 Roztoky u Prahy
 Phone +420 233 312 625
 Fax +420 233 312 640
 czechrepublic@struers.de
 slovakia@struers.de

DEUTSCHLAND

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 Fióktelep
 Tatai ut 53
 2821 Gyermely
 Phone +36 (34) 880546
 Fax +36 (34) 880547
 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

Marumoto Struers K.K.
 Takara 3rd Building
 18-6, Higashi Ueno 1-chome
 Taito-ku, Tokyo 110-0015
 Phone +81 3 5688 2914
 Fax +81 3 5688 2927
 struers@struers.co.jp

NETHERLANDS

Struers GmbH Nederland
 Elektraweg 5
 3144 CB Maassluis
 Telefoon +31 (10) 599 7209
 Fax +31 (10) 5997201
 netherlands@struers.de

NORWAY

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

ÖSTERREICH

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 Sibiu
 Str.Scoala de Inot, nr. 18
 RO-550005 Sibiu
 Phone +40 269 244 558
 Fax +40 269 244 559
 romania@struers.de

SCHWEIZ

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

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

SUOMI

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

SWEDEN

Struers Sverige
 Ekbacksvägen 22
 168 69 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

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.citopress.com