

CitoPress-1



The fastest way to
mounting and increased
productive capacity



CitoPress is offering ultra-short mounting times and maximum user friendliness.

Features

- Low mass mounting for fast heating
- Extended temperature range: 80 – 180°C
- Low build –height for easy visual control
- Triple-threaded, no-jam top closure
- Individually controlled parameters: temperature, force/pressure, heating time, cooling time
- Simple access for easy cleaning
- Top closure elevator for easy positioning
- Powerful heating unit (1000W)
- Hydraulic system with high accuracy pressure control
- 3 preset cooling levels (Hi/Med/Lo)



Low mass mounting unit & top closure



CitoPress increases your capacity

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

CitoPress is provided with a hydraulic system, where the pressure is controlled with a high accuracy, securing fragile specimens.

Available as CitoPress-1 with single cylinder and all settings are manual.

User-friendly design

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.

Compact mounting units

Citopress-1 is equipped with compact, low mass mounting units significantly reducing heating time.

Available cylinder diameters: 25, 30, 40, 50mm, 1¼" and 1½"

Simple top closure

CitoPress-1 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 top closure is with triple thread. Thus, the entire process of mounting the top closure follows with a minimum of effort.

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.

Three preset cooling levels

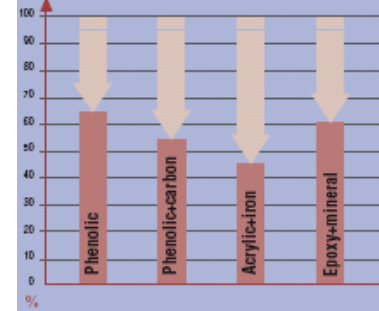
Citopress-1 comes with three preset cooling levels. The main advantage is water saving, meaning that the MEDIUM mode can be used in most cases, and water usage reduced significantly.

Thermoplastic resins require far longer cooling times than thermosetting. With CitoPress, 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 levels can be reduced by selecting the LOW mode.

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 30mm dia cylinder. When using a 40mm dia cylinder CitoPress can reduce mounting times by half)

Other two models

Two more models viz. CitoPress-20 with dual cylinder and CitoPress-10 with a single cylinder are available with loads of features such as

- Automatic dosing system
- On screen application guide
- Standby Heating
- Large display with turn/push knob & Remote signalling.



Fast & Easy Selection:

The Large Display and touch pad controls on front slanting panel facilitate fast selection parameters.



ClaroFast:

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



Top closure elevator for easy handling

Specifications

Code Cat. No:

Citopress-1

CITON 05776127

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

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

Technical data

SUBJECT SPECIFICATION

Mounting Unit

Mounting dia.	25, 30, 40, 50, 1¼", 1½"
No. of mounting units	1

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	120/150/180°C/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

Software & electronics

Controls	Touch pads
LCD display with white LED backlight	160X240 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	100-120V/50-60Hz, 200-240V/50-60Hz Auto detection and auto switch over
Power inlet (IEC320-C13)	1-phase (N+L+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, 1300W200-240V
Current, max.	13A@100-120V, 5.6A@200-240V
Water pressure (tap water)	1-10bar/14.5-145 psi
Water inlet	¾"
Water outlet	Ø13mm

Dimensions and weight

Width	480mm/19"
Depth	560mm/22"
Height	450mm/17.7"
Weight	34 Kg/ 75 lbs





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

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

SWEDEN
Struers A/S
Smältvägen 1
P.O. Box 11085
SE-161 11 Bromma
Telefon +46 (0)8 447 53 90
Telefax +46 (0)8 447 53 99
info@struers.dk

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

NEDERLAND/BELGIE
Struers GmbH Nederland
Electraweg 5
NL-3144 CB Maassluis
Tel. +31 (0) 10 599 72 09
Fax +31 (0) 10 599 72 01
glen.van.vugt@struers.de

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

UNITED KINGDOM
Struers Ltd.
Unit 25a
Monkspath Business Park
Solihull
B90 4NZ
Phone +44 0121 745 8200
Fax +44 0121 733 6450
info@struers.co.uk

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

CHINA
Struers Ltd.
Office 702 Hi-Shanghai
No. 970 Dalian Road
Shanghai 200092, P.R. China
Phone +86 (21) 5228 8811
Fax +86 (21) 5228 8821
struers.cn@struers.dk

DEUTSCHLAND
Struers GmbH
Karl-Arnold-Strasse 13 B
D-47877 Willich
Telefon +49(02154) 486-0
Telefax +49(02154) 486-222
verkauf.struers@struers.de

ÖSTERREICH
Struers GmbH
Zweigniederlassung Österreich
Ginzkeyplatz 10
A-5020 Salzburg
Telefon +43 662 625 711
Telefax +43 662 625 711 78
stefan.lintschinger@struers.de

SCHWEIZ
Struers GmbH
Zweigniederlassung Schweiz
Weissenbrunnstrasse 41
CH-8903 Birmensdorf
Telefon +41 44 777 63 07
Telefax +41 44 777 63 09
rudolf.weber@struers.de

CZECH REPUBLIC
Struers GmbH
Organizační složka
Havlíčková 361
CZ-252 63 Rostoky u Prahy
Tel: +420 233 312 625
Fax: +420 233 312 640
david.cernicky@struers.de

POLAND
Struers Sp. z o.o.
Oddział w Polsce
ul. Lirowa 27
PL-02-387 Warszawa
Tel. +48 22 824 52 80
Fax +48 22 882 06 43
grzegorz.uszynski@struers.de

HUNGARY
Struers GmbH
Magyarországi fióktelep
Puskás Tivadar u. 4
H-2040 Budaörs
Phone +36 (23) 428-742
Fax +36 (23) 428-741
zoltan.kiss@struers.de

SINGAPORE
Struers A/S
10 Eunos Road 8,
#12-06 North Lobby
Singapore Post Centre
Singapore 408600
Phone +65 6299 2268
Fax +65 6299 2661
struers.sg@struers.dk

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

www.struers.com