



수용력 향상 – 가장 빠른 성형 수단 & 향상된 생산성



- 직관적인 조작으로 짧은 회당 소요 시간 및 오류 최소화
- 성형에 소요되는 시간을 1/3 정도까지 감소 가능
- 사용자 친화적 소프트웨어로 편리하게

시중의 hot mounting press 중 가장 빠릅니다.

CitoPress 는 높은 속도와 최고의 사용자 편의성을 제공하는 강력한 hot mounting press 입니다. 회당 소요 시간이 짧고 생산성을 향상시켜 줍니다.

직관적인 돌림/누름 버튼으로 메소드 파라미터 (온도, 압력, 가열 시간, 냉각 시간) 를 개별적으로 조절할 수 있어, 성형의 유연성을 보장합니다.

돌림/누름 버튼은 다음의 기본 옵션을 사용할 수 있도록 해 줍니다:

내장된 Hot Mounting Application Guide 는 새로운 차원의 사용자 친화성을 보여 줍니다. Struers 레진을 위한 모든 성형 파라미터가 press 상에 내장되어 있습니다. 사용할 Struers 레진을 선택하면, Citopress가 사용되는 실린더의 직경을 자동으로 인식하고, 적절한 메소드를 적용하며, 화면에 표시되어 사용할 준비가 완료됩니다.

두 가지 옵션 중 선택 또한 가능합니다:

- Sensitive 옵션:
섬세하거나 기공이 많은 시편을 위한 Dual phase 가열 및 압력
- Database 옵션:
최대 15개의 사용자 정의 메소드를 위한 메소드 데이터베이스

카운트다운 타이머

시작 버튼을 누르고 나면, 카운트다운 타이머가 남은 소요 시간을 표시해 줍니다.

자동 dosing 시스템

옵션으로 선택 가능한 CitoDoser 는 자동 dosing 시스템으로 레진을 실린더에 더 빠르게, 덜 흘리면서 채울 수 있도록 해 줍니다. CitoDoser 사용 시 가장 마지막으로 사용된 메소드가 자동으로 저장되며, 관련 Doser가 press에 장착되면 자동으로 이를 불러옵니다.

대기 모드

연속 성형용. Mounting unit의 온도를 최소 20-60°C 으로 유지하여, 가열에 걸리는 시간을 단축시킵니다. 다른 press와 달리, 가열 대기 기능을 끄는 것이 가능합니다.

동작 모드

서로 다른 사용자 권한의 세 가지 사용 단계가 존재합니다.

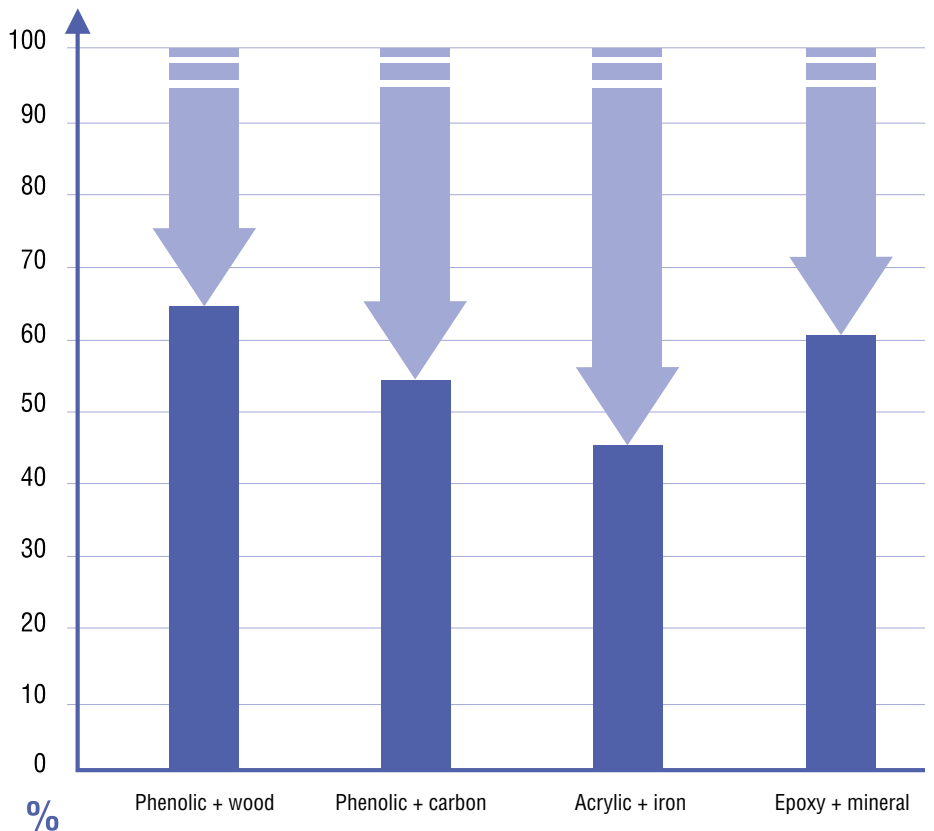
- 생산 모드
- 개발 모드
- 설정 모드

비용과 자원을 절약하세요

짧아진 가열 시간은 에너지 소비량이 줄어드는 장점이 있습니다. 경쟁사의 press 와 비교했을 때, mounting unit 을 가열하는 데 절반 이하의 전력이 소모됩니다.

CitoPress 에는 레진에 맞추어 높음, 중간, 낮음의 세가지 냉각 단계가 존재합니다. 대부분의 경우 중간 모드를 사용하여, 사용되는 물의 양을 눈에 띄게 절약할 수 있는 것이 가장 큰 장점입니다..

경쟁사 press 대비 CitoPress mounting 에 소요되는 시간. 서로 다른 레진 사용 시. (경쟁사 press = 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.



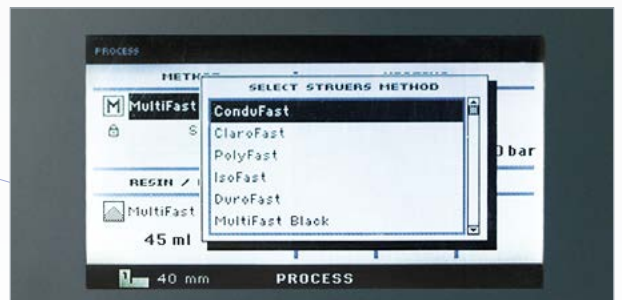
Top closure elevator for easy positioning

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

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