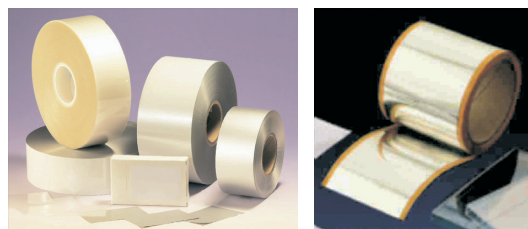


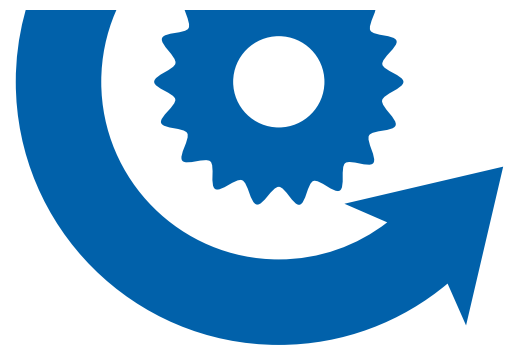
A complete range of sealers and seals



Adhesive Rolls for xcs-384

Part No.	Description	Application
40-1001	Adhesive Aluminium Sealing Foil (peeling). High solvent resistance (e.g. DMSO). Temperature range: -80°C to 120°C. 100m per roll (approx. 800 plates).	Standard peeling foil for microplate storage at low temperatures. Suitable for PCR-plates.
40-1002	Adhesive Aluminium Sealing Foil (piercing) High solvent resistance. Temperature range: -80°C to 120°C. 100m per roll (approx. 800 plates).	Standard piercing foil for microplate storage at low temperatures. Suitable for PCR-plates.
40-1003	Adhesive Polyolefin-Foil (peeling). Solvent resistant. Temperature range: -25°C to 120°C. 100m per roll (approx. 800 plates).	Micro-encapsulated adhesive film. Eliminates any possible contact between your sample and the adhesive. Particularly suitable for imaging and protein crystallography applications.
40-1004	Adhesive Polyolefin-Foil (peeling, pre-pierced). Solvent resistant. Temperature range: -25°C to 120°C. 100m per roll (approx. 800 plates).	Similar to 40-1003. Pre-pierced foil ensuring good gas exchange.
40-1005	Adhesive, Nonwoven-Foil. Permeable, impervious to fluids, good gas exchange. Temperature range: -5°C to 60°C. 100m per roll (approx. 800 plates).	Gas permeable membrane for enhanced cell growth. Suitable for use in autoclaves and similar equipment.
40-1006	Adhesive Polypropylene Film (peeling). High solvent resistance. Temperature range: -80°C to 120°C. 100m per roll (approx. 800 plates).	Clear foil, for use for photometric applications, high transmission down to 276nm. Suitable for sealing assay plates, storage plates and PCR plates.
40-1007	Adhesive Crystal Clear Polypropylene Film (peeling). Solvent resistant. Temperature range: -40°C to 120°C. 100m per roll (approx. 800 plates).	Crystal clear foil with low background noise for optical imaging applications (cell imaging, protein crystallography).

Part No.	Description	Application
41-1001	Adhesive PCR Seal. Transparent adhesive seal recommended for PCR. Suitable for fluorescence applications. Peelable. Temperature range: -20°C to 120°C. 100 sheets (135 x 80mm)	PCR
41-1002	Adhesive Seal. Transparent plate seal for polypropylene and polystyrene plates. Peelable. Temperature range: -40°C to 80°C. 100 sheets (135 x 80mm)	Sample storage
41-1003	Adhesive PCR foil seal. Piercable and peelable foil seal. Temperature range: -70°C to 150°C. 100 sheets (135 x 80mm)	PCR and Sample Storage
41-1004	Adhesive QPCR Seal. Optically clear film recommended for QPCR and other fluorescence applications. Temperature range: -80°C to 110°C. 50 sheets (135 x 80mm)	QPCR
41-1005	Adhesive, Nonwoven-Foil. Permeable, impervious to fluids, good gas exchange. Temperature range: -5°C to 60°C. 50 sheets per pack.	Gas permeable membrane for enhanced cell growth. Suitable for use in autoclaves and similar equipment.



fluid sealing

– A complete range of sealers and seals

A comprehensive choice of quick and easy to use heat and adhesive sealers suitable for use with all standard 96, 384 and 1536 micro plates and blocks, accompanied by an extensive range of sealing foils and films appropriate for any application.



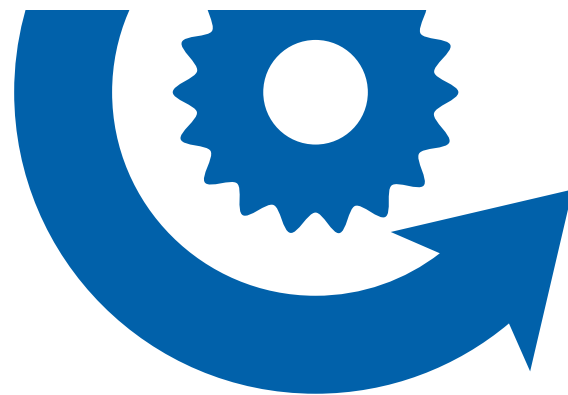
- Xcs-384 Manual Plate Sealer
- Xrs-384 Automated Plate Sealer
- Xcm-96 Manual CapMat Plate Sealer
- Xts-384 Variable Temperature Thermal Sealer
- Xfp-384 Foil Piercing Unit
- Heat and adhesive foils and films, available in rolls

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Cedrex A/S develops, produces and implements small automation systems for the biotechnical, pharmaceutical and related branches. Focusing on solving technical problems and the constant development of our skills, Cedrex A/S strives to be ahead with effective solutions.

fluid sealing



Xts-384

Variable Temperature Thermal Sealer

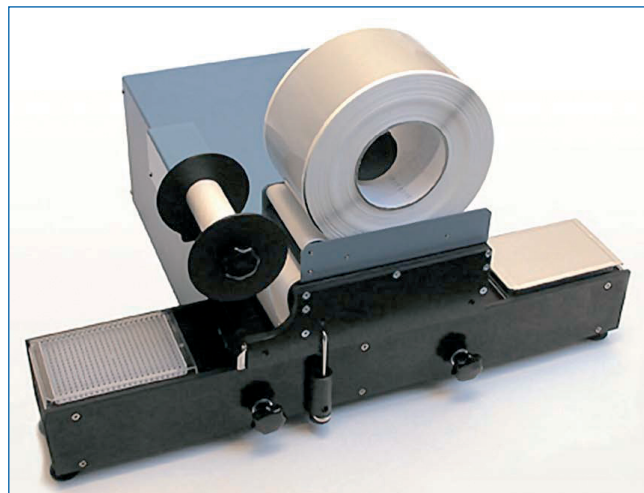


- Heat sealing temperature 125-200°C.
- Selectable temperature setting to suit a variety of sealing films.
- Heat sealing time of 1-9 seconds with selectable sealing time.
- Auto notification when correct sealing position is reached.
- Rapid heating element for quick start-up.
- Stable safe design.
- Adaptors for all plate varieties and deep well block compatible.
- Ergonomic design to minimise operator strain.
- Full range of thermal seals available.
- Single action operation, no need to rotate plate and re-seal.

The xts-384 Variable Temperature Thermal Sealer is a low to medium throughput manual heat sealer. Compatible with a wide range seals and plates of differing heights by using the appropriate plate adapters. The variable temperature heating element of the sealer allows for the optimisation of all seals and plates ensuring no damage to either, plate, seal or sample. The unique counter-lever handle mechanism ensures the correct pressure is applied with an ergonomic design minimising the force required. Combined with the variable temperature element is a programmable count down timer and alarm that ensures the correct pressure, temperature and time are used for optimal sealing.

Xcs-384

Manual Plate Sealer



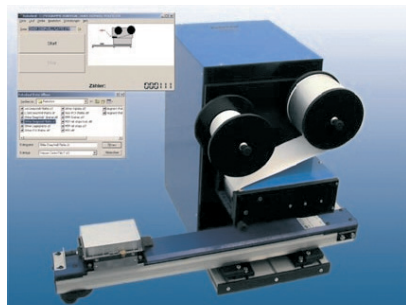
- Seals all standard 96, 384 and 1536 micro plates and blocks.
- Wide range of foil and adhesive seals (DMSO resistant).
- Simple operation. Quick. Seals a plate within 4 seconds.
- No sample degradation from heating.
- 3M Micro encapsulated foil materials provide a totally non-sticky surface except where pressure is applied on contact to the well edge.
- Peelable foils can be removed with no residue (non-tacky) and re-sealed up to 25 times.

The system operates by simply sliding a plate into the left side of the unit, which then starts automatically. The plate is pulled through without further assistance. A roller mechanism is used to apply a constant pressure, ensuring a more uniform seal than compression plate-based systems.

Adhesive seals are widely used for short and long-term sample storage, thermal cycling and assay incubation. It is the preferable sealing method for applications where plates must be sealed and accessed multiple times as there is no heat damage to well chimneys.

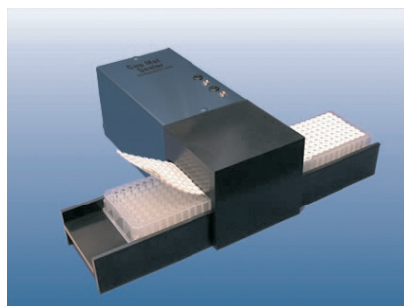
The xcs-384 Plate Sealer is also used for applications such as protein crystallography and bacterial/cell culture growth, where sealing with adhesives is required but even small temperature fluctuations need to be avoided.

Xrs-384



Fully Automated Plate Sealer. The xrs-384 has the same functionality as the xcs-384 with the added feature of being designed to be integrated into other systems such as fully automated work-cell environments or standard sample processors.

Xcm-96



Manual Cap Mat Plate Sealer. Seals all standard 96, 384 and 1536 well microplates and blocks. Constant pressure produces an even seal. Seals a plate within 4 seconds.

Xfp-384



Foil Piercing Unit. Microplates sealed with aluminium foil can be pierced quickly and without any contamination. Piercing a 384-well plate takes only 4 seconds.

Heat Seal Sheets for manual sealers (e.g. xts-384)

Description	Application	Dimensions	Part No.
Clear Seal. Clear material forming a peelable seal for polypropylene and polystyrene plates. Good optical clarity. Some solvent resistance. Temperature range: -80°C to 120°C.	QPCR	100 cut sheets (125 x 78mm)	44-1003
EZ Peel. Peelable heat seal for polypropylene plates. Can be peeled directly from freezer. Good barrier to aqueous solutions. Moderate resistance to solvents at room temperature. Temperature range: -80°C to 120°C.	Low temperature compound storage. Short-term room temperature compound storage. PCR.	100 cut sheets (125 x 78mm)	44-1001
EZ Pierce. Heat seal for polypropylene plates that can be pierced with a tip or peeled off by hand. Very good solvent resistance, including DMSO. Resealing onto existing seal is possible. Temperature range: -80°C to 120°C.	Compound storage. Sample shipping. PCR.	100 sheets (125x78mm)	44-1002

Heat Seal Rolls for use on automated heat sealers (e.g. Abgene ALP and Velocity II sealers)

Description	Application	Dimensions	Part No.
Clear seal. (As above)	QPCR	610m x 78mm roll	43-1008
		25m x 78mm sample roll	43-1009
		500m x 115mm roll	43-1010
EZ Peel. (As above)	Low temperature compound storage. Short-term room temperature compound storage. PCR.	610m x 78mm roll	43-1001
		25m x 78mm sample roll	43-1002
		500m x 115mm roll	43-1003
		25m x 115mm roll	43-1004
EZ Pierce (As above)	Compound storage. Sample shipping. PCR.	610m x 78mm roll	43-1005
		25m x 78mm sample roll	43-1006
			43-1007
Foil Seal. Heat seal for polypropylene plates, can be pierced with a tip or peeled off by hand. Very good solvent resistance including DMSO. Resealing onto existing seal is possible.	Compound storage. Sample shipping. PCR.	610m x 78mm roll 25m x 78mm sample roll	