

**MEDIPACKER TS 5035 F**

**Width** 920 mm  
**Depth** 710 mm  
**Height** 1390 mm  
 (with trolley)  
**Weight** 235 kg without tool  
**Seal surface** 500 x 350 mm,  
 blister depth max. 82 mm



**Design** Frame and cover panels made of stainless steel, with aluminium parts anodised or ALTEF coated

**Film roll** Diameter max. 300 mm; core diameter 76 mm; roll width max. 300 mm

**Sealing temperature** Programmable via touch screen from 20 °C to 190 °C, in 1 °C increments  
 Control precision at 130 °C +/- 1 °C

**Sealing force** Programmable via touch screen from 6 kN to 36 kN, in 1 kN increments  
 Repetition precision within 0.5 kN

**Sealing time** Programmable via touch screen from 0.2 sec to 9.9 sec, in 0.1 sec increments  
 Repetition precision less than 0.15 seconds

**Film winding** Programmable via touch screen from 0 mm to 999 mm, in 1 mm increments

**Throughput** Approx. 12 cycles per minute excluding filling, insertion and removal of the packs.

**Compressed air connection** 0.6–1.0 Mpa / 6–10 bar, exterior hose diameter 12 mm, length 3 m.  
 The compressed air supply must be filtered and dry.

**Compressed air consumption** The consumption per cycle is approx. 50 NL at 0.5 Mpa

**Electrical connection** 380 V three-phase current; max. 2700 W

**Options** Interface for sealing cycle control (printout of the process parameters as statistics)  
 Qualification of the machine, including drawing up the qualification documentation  
 Film printer, to print the sealing film prior to processing  
 Automatic tool detection

**Warranty** 2 years for all machine parts, excluding wear parts, transport and travel costs, labour

**MEDIPACKER TSF**

**TRAY SEALER** for sealing film from a roll  
 Qualifiable to the requirements of the FDA and GMP (DQ/IQ/OQ/PQ)

MEDIPACKER TS 5035 F

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Certified to ISO 9001:2008  
 and ISO 13485:2003

Technical subject to change

**MEDIPACKER TS 5035 F**

The 3 seal process parameters, sealing time, sealing force and sealing temperature, are controlled to the tightest tolerances. The film draw-off length can be set conveniently using the touch screen in single millimetre increments. This results in high quality packs; the process monitoring complies with the latest quality assurance requirements.



The rubber seals and spring pins of the sealing tools can be replaced without problems

Fast tool change, within 5 minutes (screws outside the housing)

**How the machine works**

The filled blister packs are laid on the support plate. The carriage is pushed to its rearmost stop. The sealing cycle is automatically triggered. The carriage is pulled back again after the sealing cycle.

**The MEDIPACKER TS 5035 F is a universal heat-sealing machine with the greatest possible operating convenience, for the sealing of preformed trays (blisters) with a sealing film from a roll.**

**The Medipacker TS 5035 F is characterised by the following:**

- Convenient programming of the sealing parameters in the form of touch screen dialogs
- Up to 31 programs can be called up, with the input of tolerances.
- Actual and target parameters are displayed not only as values, but also in the form of a bar chart. When the **MEDIPACKER TS 5035 F** is ready, the display turns green.
- The sealing time only starts once the nominal force has been reached; the elapsed sealing time is displayed.
- Sealing is not possible outside the process tolerances (display is red).
- Parameter changes only possible in the assured (coded) range
- The exhaust air is filtered to Cleanroom Class 100 (ISO 5)
- The production data can be printed out via an (optional) interface
- Faster, more convenient tool change within 5 minutes (screws outside the housing)
- Qualification of the machine in accordance with the requirements of the FDA / GMP guidelines (optional)
- All 3 sealing parameters can be (re-) calibrated at the works

**Sealing tools with cutting blade:**

- The sealing tools are made of aluminium with high dimensional stability and consist of a support plate and contoured sealing plate with holding plate. How you arrange the product quantity depends not only on the size of the packs, but above all on the whole sealing surface and maximum sealing force available from the packing machine. The tools are designed to suit the packs and milled with CAD/CAM.
- The anodised support plates have a groove, in which the specially-developed silicone profile (various standard widths) is fitted without adhesive. The customer can replace the sealing rubber as required (e.g. if the surface becomes defective).
- The contoured sealing plates have a scratch-resistant, non-stick surface.
- The cutting blade for the sealing film is fitted into the contoured sealing plate. This cuts the sealing film approx. 1–2 mm outside the blister pack.
- We determine and test the optimum process parameters ourselves. If requested, we will record the results of the peel and/or burst test prior to delivery.



**Qualification**

For the qualification of the MEDIPACKER TSF heat sealing machine, we draw up a folder containing the following documents:

- Qualification plan
- Quotation including brochure
- DQ/IQ test record
- Calibration of sealing force, temperature and time (OQ)
- Optional: Performance qualification (PQ) of each individual sealing tool (PQ), including printouts of the peel force measurements
- Recommendation of welding parameters
- Defects list from the classification process
- Certificates for the pressure, temperature and time measuring devices
- Operating instructions
- EC declaration of conformity
- Sealing tool drawings
- Concluding report
- Logbook



**Packaging validation**

A qualified heat sealing machine with the appropriate sealing tool is a fundamental prerequisite for packaging validation. The concluding report is a constituent part of the validation report.

Optional: printout of the sealing statistics possible by means of a printer, bluetooth or PC



Not reading for sealing (temperature too low)



Ready for sealing (all conditions met)