



NESCHEN HSM 2.0

hot laminating machine for laminating documents with filmoplast® R

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The Neschen HSM 2.0 can laminate documents with filmoplast® R on one or both sides. You can efficiently carry out large volume restoration of wood-pulp papers and newspapers from the middle of the 19th century. Significant time and cost savings for the user are guaranteed.

FEATURES

- The 620 mm width is suitable for all sizes of filmoplast® R
- Variable speed of up to two meters per minute
- The Neschen HSM 2.0 has two heated rollers (up to 150 °C) and two pull rolls (manually adjustable up to a gap of 20 mm)
- Including extra equipment: removable outfeed table, sub-table on castors (unassembled)

USABILITY

- The large stainless steel in-feed table enables an easy insert of documents
- The in-feed table can be folded upwards and is held in place by magnets
- The upper and lower material holders can be easily equipped with filmoplast® R rolls
- User-friendly control panel
- Simple adjustment of the material tension via the externally located brakes
- Removable out-feed table
- The sturdy sub-table on casters allows an easy movement of the machine



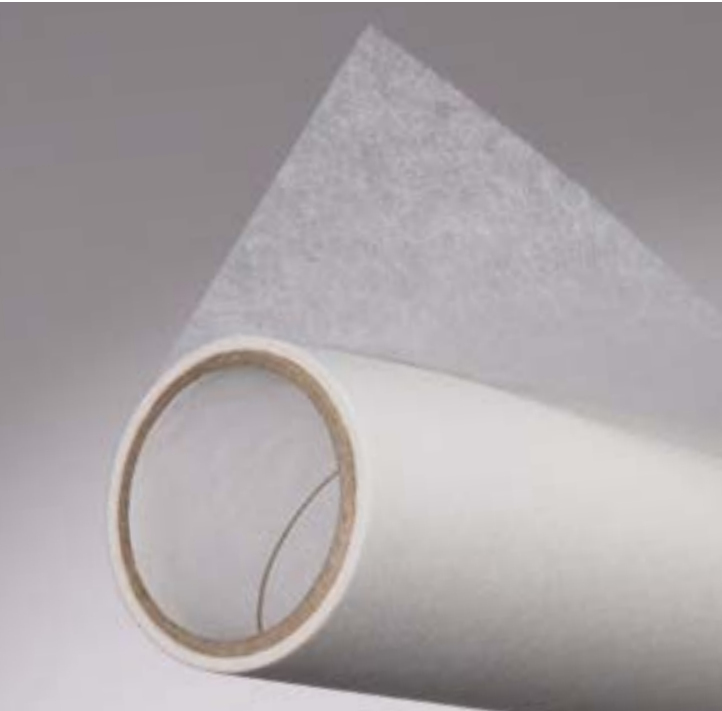
TECHNICAL INFORMATION

max. working width	620 mm
max. speed of	2 m/min
max. roller temperature	150 °C
max. roller gap (manually adjustable)	20 mm
width incl. knobs and brakes	1.170 mm
height	400 mm
depth	640 mm
depth incl. in-feed & out-feed table	1.200 mm
working table height	950 mm
net weight incl. supporting frame on castors	90 kg
voltage	230 V 50/60 Hz
current	13 A
power	2.900 w

SAFETY

- Safety eye and emergency shut-off button for increased operator safety
- CE certified

FILMOPLAST® R



filmoplast® R is a wafer-thin, transparent, technical Japanese paper for mass conservation work. The ideal product for the preservation of wood-pulp papers and newspapers produced from as early as the middle of the 19th century (approximately).

These wood-pulp papers contain lignin, and this may lead to an acidic reaction which attacks the paper fiber from the inside. Thus, valuable documentation of our recent past will destroy itself.

When laminating with filmoplast® R, the alkaline buffer in the adhesive neutralizes acids and prevents migration through the adhesive layer into the filmoplast® R paper layer, thus stabilizing the embedded document. Due to the low thickness of the material, filmoplast® R is almost transparent. The paper character of the original is preserved.

The age resistance is certified by the Papiertech-nische Stiftung (PBA No.: 21.495/3) in Heidenau and the Photographic Activity Test (PAT) according to ISO 18916.



Continuous laminating from a roll is possible with the Neschen HSM 2.0. Fragmented documents can be joined on the in-feed-table of the machine and embedded between two layers of filmoplast® R in order to recreate one whole document in its original shape.



PROPERTIES

- filmoplast® R is a 9 g/m² light, transparent, technical Japanese paper
- filmoplast® R is coated with a heat-activated adhesive
- The adhesive is solvent- and acid-free and age-resistant
- The adhesive provides good adhesion with high bending stiffness, even repeated bending will not undo the bond
- The recommended sealing temperature is >100 °C
- The lamination can be removed with heat, water or alcohol (please note our application guidelines in the technical information)

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