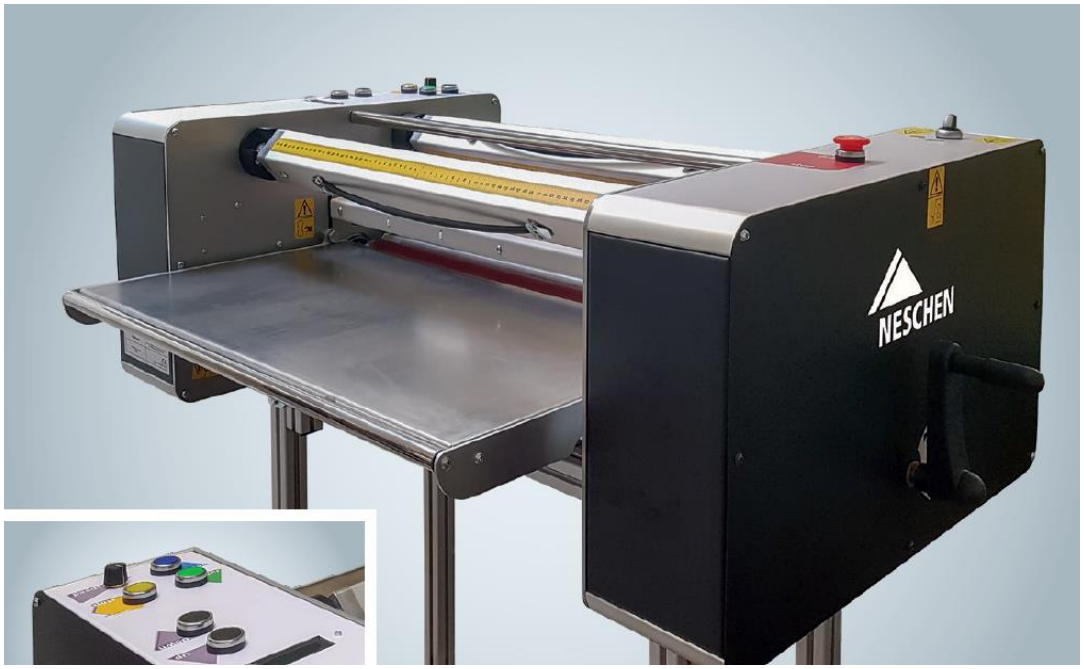
NESCHEN



NESCHEN PHOTOLAM 650

LAMINATOR FOR PHOTO FORMATS

USER INSTRUCTIONS

Vers. 07-2018

ENGLISH

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1. INTRODUCTION

Dear Customers,

We are very pleased that you have selected the Neschen laminator. We trust that this machine will increase your work productivity. Since it is a device which is equipped with rotating rollers and moving parts and is powered by electricity, work safety principles must be observed.

Before the Neschen laminator can be used, the user (the firm) must make sure that all the device operators, maintenance workers and their supervisors have acquainted themselves with these User Instructions. Ensured must be also the knowledge of generally binding regulations concerning occupational safety and prevention of injuries applicable in the user's country. Make sure these User Instructions are always available to workers who will be using the laminator. Incorrect operation and use can result in damages which are not covered by the product's warranty.

These User Instructions contain the laminator technical specifications and information concerning putting the laminator into service and operating it. They contain important information about work safety and maintenance, and must be regarded as part of the laminator. Production workers should be acquainted with the information contained in these User Instructions, and they should understand it. Of particular importance is information concerning safety measures. In order to ensure a satisfactory level of knowledge, it is desirable to provide initial training followed by regular worker refresher training.

If you don't understand any of the information contained in these User Instructions, please contact the laminator vendor. We suggest you make a copy of the User Instructions and keep the original in a safe place in case the copy gets lost or damaged. When working with the device, abide by the provided safety guidelines to avoid the danger of injuring yourself or other person around you, or damaging any tangible assets.

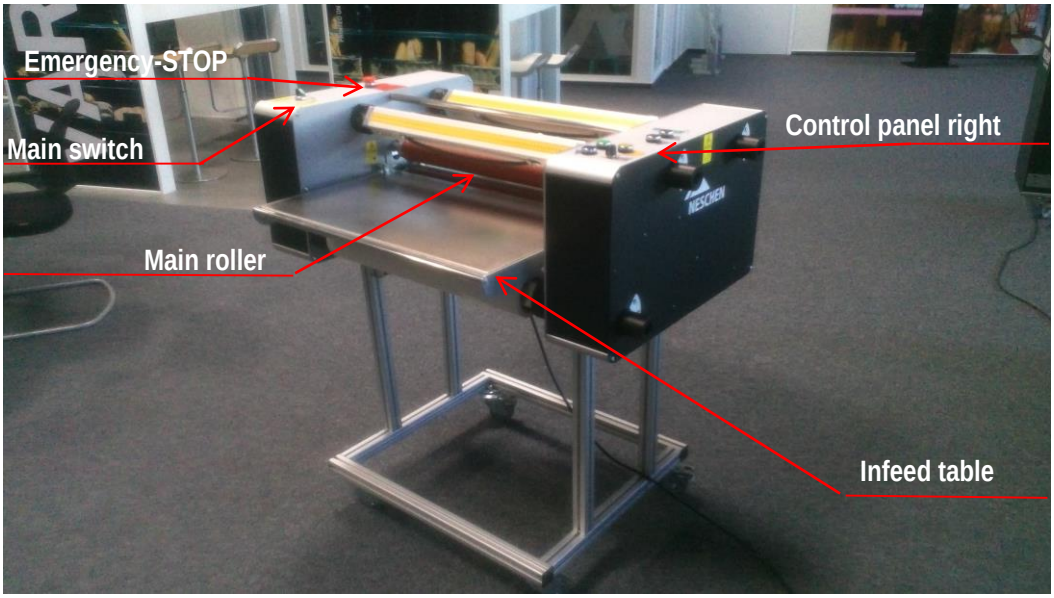
We wish to assure you that we paid a close attention when making the Neschen laminator and are convinced that, provided all the principles stated in these User Instructions are observed, you will be happy with your machine.

Yours NESCHEN Coating GmbH

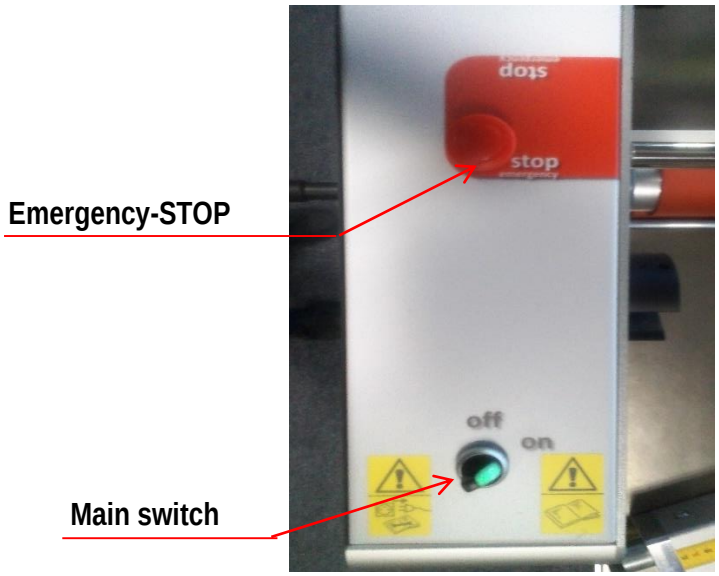
2. APPLICATIONS

1. The Neschen Laminator for photo formats is suitable for mounting laminating and carrier films by pressure and temperature on prints, plates, boards and similar products up to a width of 650 mm.
2. The design of the laminator allows unlimited length of laminated prints.
3. The flexible use and easy handling of the Neschen Laminator allows working with blanks and rolls. The user selects the appropriate lamination technique, for example sheet lamination or lamination directly from the roll.
4. Any changes to the laminator without the manufacturer's permission release the seller from liability for any damage or injury!
5. If functions of the laminator permit use for other purposes not listed here, the user shall consult the seller about such applications.
6. Follow the safety instructions while working on the machine to avoid personal injury or injury to other persons
7. Notes requiring special attention are marked with the following safety symbol in this manual:

3. DESCRIPTION OF MAIN PARTS OF THE NESCHEN LAMINATOR



4. CONTROL PANEL – LEFT



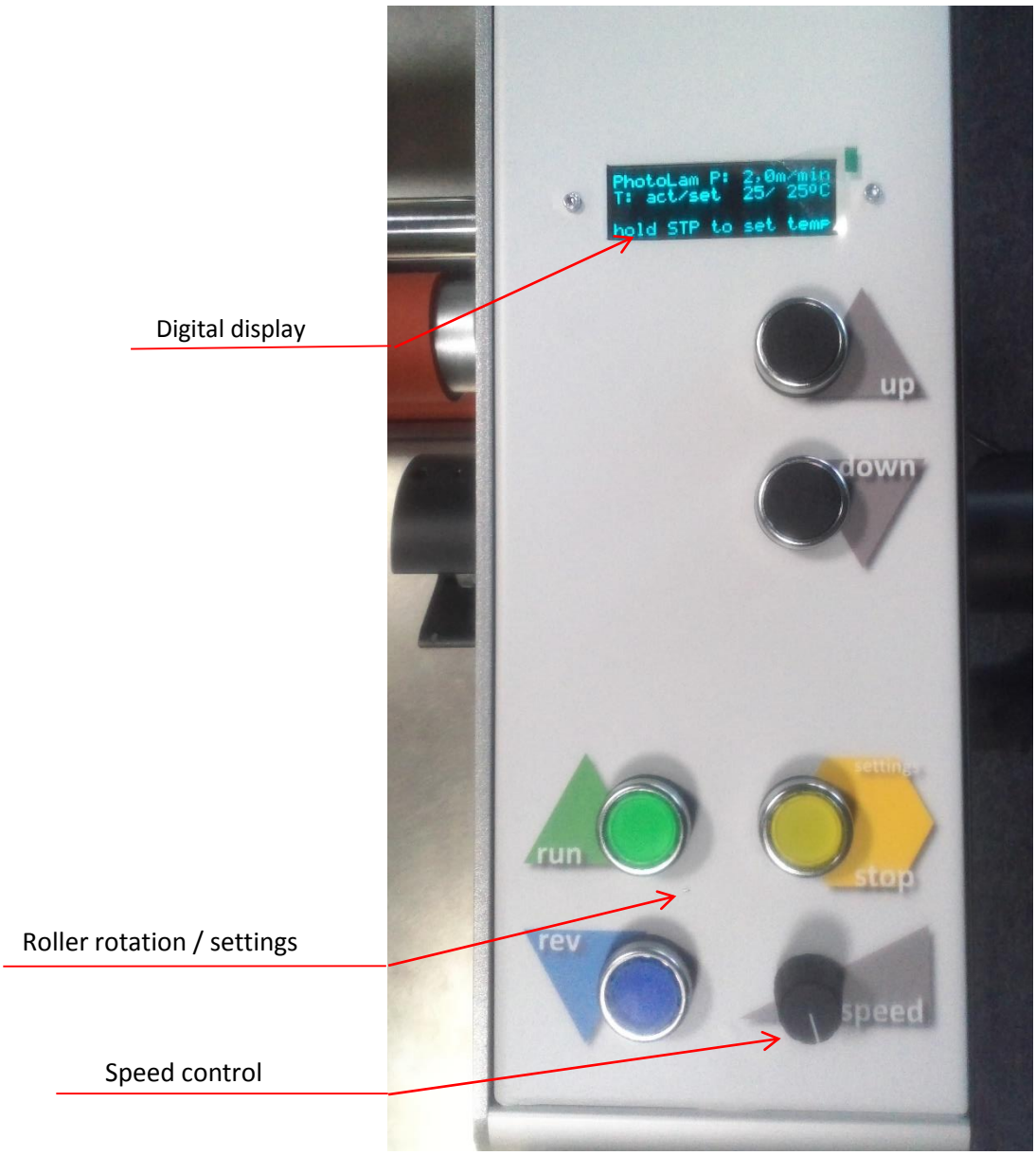
Emergency-STOP-button – If the emergency STOP button is actuated, the machine switches off completely. Depending on the circumstances, you can switch the machine on again. The emergency STOP button is unlocked by turning (or pressing - depending on the system used).

5. MAIN SWITCH – POSITIONS

OFF – the laminator is switched off.

ON – the laminator is switched on.

6. CONTROL PANEL – RIGHT



Roller rotation – the lower roller is driven by an electric motor. With the PhotoLam, the revolutions can be continuously controlled in the range from 0 to 2 m/min.

Turn knob for rotation - Potentiometer for speed control. The desired speed is set in meters per minute.

▲ **run** – Roller rotation in forward direction - the direction of rotation is indicated by the corresponding button light. The Neschen laminators have a modern, intelligent start function that allows the laminator to start up slowly and evenly until the speed set by the rotary knob is reached. The speed does not depend on the load. **Please note:** If the roller speed is set to 0, the laminator does not start up but waits until the operator sets a speed other than 0. .

▼ **rev** – Setting the rollers in reverse motion

stop/settings – stops the rotation and the running direction. **Please note:** If the operator changes the direction of rotation while the machine is running, he must first press the Stop button and then select the desired direction of rotation.

If the user presses the stop/settings button for three seconds, it moves to the temperature setting.

Press the **UP/DOWN** buttons to set the desired temperature in steps of five degrees Celsius. Press the STOP button to save the set value.

7. HEIGHT ADJUSTMENT

The height is manually adjusted to the desired position by means of the lever.

8. SILICONE PAPER AND LAMINATED PRINTS

Shaft rotation – the shaft for silicone paper is driven by an electric motor. The machine synchronizes the revolutions with the rotation speed of the main rollers. The resistance on all shafts can be changed by turning the brake. The tighter the brake, the greater the resistance of the shafts and vice versa.

9. ROLL CARRIER/SHAFT

Laminating and printing materials are rolled up on a paper tube with an inner diameter of 76.2 mm. The shafts of the Neschen laminator are designed for these tubes.

If the material is unrolled too loosely or too firmly, the braking force can be regulated by applying or releasing the brake on the right side of the machine. The brake force is increased by applying the brake and reduced by loosening it.

The resistance of the shaft can be set by adjusting the coupling on the right side if silicone paper is not wound or too tight or too loose.

10. INSERTING A ROLL OF MATERIAL ONTO THE SHAFT

1. Remove the shaft from the laminator. Shafts are attached to the right side of the laminator. Turn the strap until the lock comes loose. The positions for material under the feed table are secured with a rotary lock. The lock must be released before removing the shaft. First remove the shaft located on the side of the lock.

2. Insert the roll of material onto the shaft.

3. Replace the shaft back onto the machine in a reverse procedure to the one described under point 1.

11. WORK SAFETY

SAFETY FEATURES AT THE NESCHEN LAMINATOR:

- Emergency-STOP-switch – 1 unit

WHEN USING THE NESCHEN LAMINATOR THE FOLLOWING MUST BE OBSERVED:

- Do not use the laminator if there is a design or mechanical failure;
- Do not use the laminator while under the influence of alcohol, drugs or medication as your ability to react and your attention may be restricted;
- Do not switch on the laminator if unauthorized persons are within the danger zone;
- Remove waste from the hazardous area while the laminator is in operation;
- Do not touch any moving parts;
- Always stay at the control panel while the laminator is in operation;
- Do not remove any safety devices from th elaminator and do not interfere with their function;
- No maintenance or cleaning work during operation;
- Always observe the safety instructions – see Safety Instructions.

12. SAFETY GUIDELINES

Any rotating or moving parts of the laminator and parts under electrical power may cause severe or even fatal injuries. Installation, wiring, putting into service as well as maintenance and repairs may be performed by qualified and trained personnel only.

- The laminator may only be operated only by persons older than 18 years of age, mentally and physically fit, duly instructed (with their knowledge verified) and authorised to operate the laminator.
- More demanding repairs and any work on the laminator's electrical installation may be performed only by an appropriately qualified person or by the manufacturer.
- Laminator operators and maintenance workers must be well acquainted with these User Instructions
- Any adjustments, maintenance and cleaning of the laminator must be performed while the laminator is idle, the main switches turned off and the machine disconnected from power mains.
- Start the laminator only when the covers are attached.
- Never touch any moving parts of the laminator.
- Safety instructions - Pictograms - to be attached legibly to the laminator.
- Work only under good lighting conditions.
- Before starting work, check the safety devices on the laminator and ensure that they operate correctly.
- Never work with the laminator when you feel tired.
- Damaged parts at the laminator may only be replaced by authorised personnel. Use only original parts.
- Turn off the laminator in case of strong vibration, noise or other unusual signs and inform the supervisor.
- Do not wear loose clothing (e.g. tie) or long hair to prevent it from getting between the rollers of the laminator.
- Always stand firmly on the floor when working with the laminator.
- Take special care after switching on the laminator and starting up the rollers.
- Switch off the unit immediately and inform the supervisor in case of damage to the insulation, smell of burning or loud noise during work on the laminator, if the machine jerks after switching on, if individual parts of the electrical system are overheated, if sparks occur or if current flow is felt.
- If such hazards occur or if danger arises for the operator, switch off the laminator by pressing the emergency STOP switch.
- If someone detects that the operator of the lamnator is at risk, they can actuate the emergency STOP switch.
- After finishing work on the laminator, lift the upper roller, switch off the laminator and disconnect the power supply.

13. SAFETY PICTOGRAMS AT THE NESCHEN LAMINATOR

The pictograms must always be clearly legibly attached to the laminator. Damaged pictograms must be replaced.

Pictograms and their meaning. Safety pictograms on the laminator indicate risks, as do the warnings in this manual.

The operator must read the User Instructions

Before starting any repairs, adjustments, cleaning and maintenance of the laminator, disconnect the machine from power mains

Close all covers correctly before operation.

Do not touch any moving parts on the laminator.

14. FIRE PROTECTION

Since the laminator is not factory-fitted with fire extinguishers, the user must ensure that fire extinguishers are installed in the building.

- Never extinguish a burning or live laminator with a water or foam extinguisher. There is danger of electric shock!
- Never extinguish burning electrical parts with a water extinguisher!
- Recommended types of fire extinguishers: powder, snow and halon.
- In the event of fire, follow the instructions for the appropriate workplace.

15. DISPOSAL OF THE MACHINE OR INDIVIDUAL PARTS

- For the disposal of the laminator at the end of its service life, the applicable environmental guidelines must be followed and available recycling options must be applied.
- Separate plastic parts and recycle.
- Separate and sort metal parts and dispose of as scrap metal.

16. MAINTENANCE AND REPAIR

MAINTENANCE

Neschen laminators are stable and resistant and require little maintenance. For trouble-free use and a long service life, the following must be observed:

1. Use isopropyl alcohol to clean the roller surfaces. Clean other surfaces with a diluted cleaning solution and a damp cloth. Never use solvents or abrasives.
2. Disconnect the laminator from the power supply before any cleaning or maintenance.
3. Protect the roller sufaces from damage by sharp objects (cutting blades, scissors, sharp edges, penetration of solid tools, tools etc.) and dust. With a perfect roller surface, the laminator runs for many years without any problems.
4. Do not unnecessarily press the rollers against each other to avoid pressure points.

17. WARRANTY TERMS AND CONDITIONS

1. The manufacturer grants Neschen products a 12 months warranty from the date of sale.
2. Contact your seller for detailed warranty terms and conditions.
3. Damage to the product due to improper handling or non-compliance with the operating instructions is not considered a product defect.
4. Furthermore, mechanical damage, falling over, impacts, transport damage, etc. caused by unauthorized interference with the electrical or mechanical parts or by foreign objects inside the product shall not be deemed to be a product defect.
5. Normal wear and tear due to use of the machine is also not considered a product defect.
6. Please address product liability claims directly to your seller.