



# Original Instruction manual

## Poly-film layer LEOPARD

without pressure discs

Manufacturer:  
HMF Hermeler Maschinenbau GmbH  
Dipl. Wirt. Ing. Thomas Hermeler  
Lohmannstraße 4  
D-48336 Sassenberg-Füchtorf  
Phone: +49 (0) 54 26 / 53 84  
WhatsApp: +49 (0) 54 26 / 53 84  
E-Mail: [sales@hmf-hermeler.de](mailto:sales@hmf-hermeler.de)  
Website: [www.hmf-hermeler.de](http://www.hmf-hermeler.de)

## Table of contents

	Page
1. Introduction	3
2. Content	3
3. General remarks	3
3.1 Special attention	3
3.2 Description of the type plate	4
4. Safety instructions	5
4.1 Safety and accident prevention regulations	8
4.2 Notes on road safety	8
5. Before commissioning	9
6. Machine application	9
7. Working with the film layer	9
7.1 Attachment to tractor	10
7.2 Machine setting	10
7.3 Film inserting	10
8. Notes on misuse of the machine	11
9. Volume level	11
10. Maintenance & Care	11

# 1. Introduction

This instruction manual is valid for the poly-film layer LEOPARD. It is made for the persons who work with this machine and gives you advices for the use, the adjusting and the operation of the poly-film layer LEOPARD.

Make this instruction manual available to all persons who work with the machine. Texts and pictures are kept neutral as far as possible. Attention is drawn to differences by means of picture headings or text notes.

Manufacturer:  
HMF Hermeler Maschinenbau GmbH  
Dipl. Wirt. Ing. Thomas Hermeler  
Lohmannstraße 4  
D-48336 Sassenberg-Füchtorf  
Phone: +49 (0) 54 26 / 53 84  
WhatsApp: +49 (0) 54 26 / 53 84  
E-Mail: [sales@hmf-hermeler.de](mailto:sales@hmf-hermeler.de)  
Website: [www.hmf-hermeler.de](http://www.hmf-hermeler.de)

## 2. Content

Read these instruction manual carefully and completely before working with the poly-film layer LEOPARD. Follow the advice for the correct care and maintenance of your machine and you will achieve constant operational readiness and a long service life for your machine.

## 3. General remarks

### 3.1 Special attention

All people who would use, care or control the poly-film layer LEOPARD have to read, comprehend and pay attention to the instructions of this instruction manual to avoid danger.

Especially pay attention to the "Security and accident prevention instructions". The use of spare parts, accessories and additional devices which do not come original from HMF and are not checked and released from HMF, constructively given qualities of the HMF machine or her functional ability negatively change and thereby affect the active and/or passive safe driving as well as working security (accident protection), is not permitted.

For damages, in this respect by the use of Non-HMF-Original-Spare Parts, accessories and additional devices every liability is excluded from HMF.

Technical designations, measures and weights are non-binding. We reserve ourselves changes in the course of the technical development and mistakes. Front, behind, right and left is valid always in direction of the traffic.

## 3.2 Description of the type plate

The serial number of the machine, the type and the year of manufacture are stamped on the type plate. This type plate is normally located on the front right of the machine. Front, rear, right and left always apply in the direction of travel.

In the event of a spare parts order, please provide us with the following information:

- 1. Serial number**
- 2. Type**
- 3. Year of manufacture**



When ordering spare parts, photos of the defective part or machine are often helpful. The following communication channels can be used for this purpose:

WhatsApp: +49 (0) 54 26 / 53 84

Email: [sales@hmf-hermeler.de](mailto:sales@hmf-hermeler.de)

## 4. Safety instructions

Please read and observe these operating instructions and the safety instructions before you start working with the machine.

### Labelling of warnings and hazards

In these operating instructions we have marked all passages concerning your safety and the safety of the machine with the following symbols. Pass on all safety instructions to other users as well!



#### **Danger!**

Marking of instructions which, if not followed, pose a risk to the life and limb of the operator or his fellow human beings and measures to avoid the danger



#### **Attention!**

Marking of instructions which, if not followed, may cause damage to the machine and measures to avoid danger to the machine.



#### **Note!**

Marking of indications that enable a more effective and economical use of the machine



#### **Environment!**




Labelling of instructions which, if not followed, pose a risk to the environment.

There is an environmental hazard if environmentally hazardous substances (e.g. oils, foils, etc.) are not handled properly and/or disposed of.

The warning and information signs attached to the machine provide important information for safe operation. Observance of this information is for your own safety.

In general:

- a) Strictly follow warning signs and information signs!
- b) Pass on all safety instructions to other users as well!
- c) Keep warning signs and information signs in good condition, replace if necessary!

	<p><b>Before commissioning, read the operating instructions and observe the safety instructions!</b></p> <p><b>For maintenance and repair work, switch off the engine and remove the ignition key.!</b></p>
	<p><b>When operating the power lift, do not stand in the lifting range stop!</b></p> <p><b>It is forbidden to stand between the tractor and the implement during operation.!</b></p>
	<p><b>Do not touch machine parts until they have come to a complete standstill..</b></p> <p><b>During operation and when the engine is running do not open or remove the guard. Never reach into the rotating parts.</b></p> <p><b>Do not stand near the rotating parts or touch moving machine parts! Wait until they have come to a complete standstill!</b></p>



**There is a risk of crushing!**



**Caution! Danger from ejecting parts when the machine is running.**

**Keep a safe distance!**



**Do not stay within the swivel range of the implements!**

## 4.1. Safety and accident prevention regulations

1. In addition to the information in this instruction manual, observe the general safety and accident prevention regulations.
2. When using public traffic routes, observe the respective regulations!
3. Before starting work, familiarise yourself with all the actuating devices and their function before starting work. It is too late to do this while driving!
4. Before starting the engine, make sure that no gear is engaged and that all guards are in place and in protective position.
5. Before starting, check the immediate area (children!). Ensure sufficient visibility. Sound the horn for safety!
6. The rider's clothing should be tight-fitting. Loose clothing should be avoided!
7. When mounting and dismounting the machine, it is forbidden to stand between the tractor and the machine while the diesel engine is running, as danger of crushing.
8. When hitching and unhitching the hydraulic connections, switch off the tractor's diesel engine. Switch off the diesel engine of the tractor.
9. Only mount and dismount the poly-film layer LEOPARD on level, solid ground, and park it.

## 4.2. Notes on road safety

- The permissible axle loads of the tractor and the permissible tyre load capacity of the tractor must not be exceeded by the attachment of the poly-film layer.
- When hitching to the tractor's three-point linkage, the lower links must be locked according to the tractor manufacturer in order to prevent the tractor-implement combination from rocking during road travel.
- The requirements and instructions of the information sheet for attachments from the road traffic regulations must be observed.
- Before driving on public roads, especially after a field operation, it is necessary to prevent dirt or adhering soil from falling onto the roads. In the event of the road is contaminated with dirt or soil, the danger area must be marked and marked and cleaned immediately.

## 5. Before commissioning

To take full advantage of your new machine, please read and follow this instruction manual before using your machine. Before using the machine, check that it has been delivered complete. Remove the packaging carefully and completely. Familiarise yourself with the technical instruments. Lubricate all grease nipples and grease all moving parts with grease or oil. Please always observe the safety instructions.

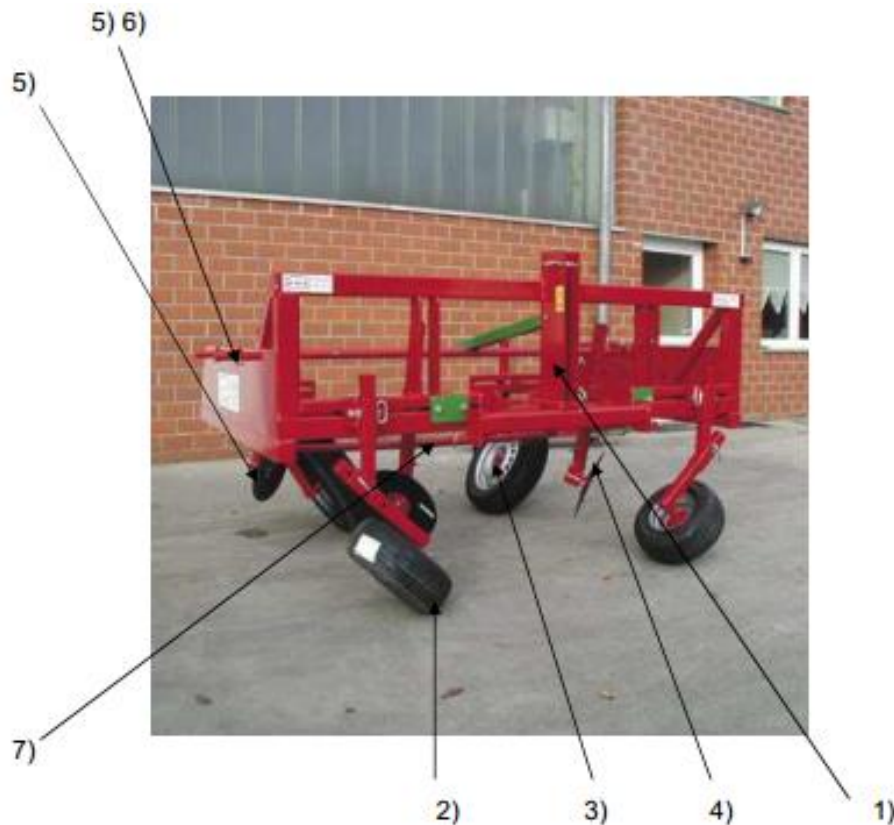
We must reject warranty claims resulting from improper handling!



## 6. Machine application

The LEOPARD film layer is suitable for laying black and white foil, anti-dew foil and fleece.

## 7. Working with the film layer



- (1) Three-point linkage
- (2) Front support wheel
- (3) Rear wheel
- (4) Front slotted disc
- (5) Rear slotted disc
- (6) Holder for the film roll
- (7) Curved bracket

The three-point linkage (1) is attached to the machine in an oscillating manner. The manoeuvrability of the three-point linkage can be adjusted using two adjusting screws.

The poly-film layer is equipped with two front and two rear, inclined wheels (2) (3). The rear wheels (3) also serve to press the film against the dam. The inclined position of the wheels ensures guidance along the dam.

The two slotted discs (4) at the front of the machine create a channel into which the rear wheels (3) press the side edges of the film. The two rear discs (5) cover the channel and film with soil. There is a holder (6) for the film roll on the frame. A curved bracket (7) is attached below this holder, which is used to tension the film. The height of the bracket can be adjusted. One roll of film is placed in the holder (6) and a second roll can be placed behind the first as a supply. To change the film rolls, the film roll must be replaced from the holder (6) with the new film roll.

## **7.1 Attachment to tractor**

First, the side struts of the lower links on the tractor must be loosened so that the lower links can swing freely. Now the film layer can be attached. The upper link must be adjusted so that when the machine is lowered, the bolt is in the centre of the slotted hole.

## **7.2 Machine setting**

The two front support wheels (2) must be adjusted so that the frame of the film layer is parallel to the ground when lowered and the distance between a wheel and the dam is approx. 20–30 cm.

The front discs (4) must be positioned so close to the dam that they just touch it. The depth of the discs must be greater than that of the front support wheels (2).

The two rear wheels (3) must also be positioned approx. 20–30 cm from the dam. The track of the rear wheels can be adjusted using adjustment screws. Turning the wheels inwards increases the tension of the film over the dam. (If the tension is too high, there is a risk that the film will tear.) The rear slotted discs (5) must be adjusted so that sufficient soil is thrown onto the film.

## **7.3 Film insertion**

The roll of film must be inserted into the holder (6) so that it unrolls forwards. The film is then guided in front of the bracket (7) and placed under the rear wheels (3). The beginning of the roll must be covered with soil. The film is tensioned using the bracket (7). The lower the bracket (7) is positioned, the more the film is tensioned.

## **8. Notes on misuse of the machine**

No persons may be carried on the machine.

## **9. Volume level**

The poly-film layer LEOPARD itself does not generate any significant noise. Noise is only emitted by the tractor.

## **10. Maintenance & Care**

**All rotating parts must be lubricated regularly (every 20 operating hours).**

**As displaced lubricant can get into the feed, soil or groundwater during relubrication, we generally recommend the use of biodegradable lubricants!**