1 English

2 Application
The Dermatome is used in the Surface Surgery, for skin grafting to replace skin in a defective or denuded area, to implant surgically living tissue. There is a difference between the Epidermis and the Corium regarding the proportion of thin, average and thick skin flaps. While thick skin flaps containing the whole endodermis can be removed with the scalpel, the Dermatome can be used in general, for the removal of a thinner skin flap: the variable adjustment of the width and thickness of the Dermatome makes an exact "Cut" of the transplant possible. Therefore please be aware, that varying the pressure of the Dermatome on the skin strips of the skin flaps thickness will have an uncontrollable effect.

The Dermatome 12/25/50/75 can be used with any Micro motor with E-Fitting up to 8000 rpm.

3 Operation
Caution: The maximum selected motor speed in the control unit is 8000 rpm.

Caution: The Dermatome will not be supplied in a sterile condition.

3.1 Adjusting the cutting width

![Fig. 1](image)

Turn the regulator wheel to select the cutting width from 0.05 mm to 0.55 mm

The cutting width from one notch to another is 0.05 mm.
3.2 Changing the blades

- Unthread both screws counterclockwise up to the middle
- Remove bottom plate carefully
- Make sure the position pins do not slide
- Remove the blade and place new sterile blade onto the position cam of the Dermatome
- Insert bottom plate into the position pins and tighten both screws clockwise

4 Maintenance and Sterilization

4.1 Dismantling the Dermatome
- Turn both screws counterclockwise up to the middle
- Pull out the screws of the head completely
- Remove bottom plate carefully
- Caution: Make sure the position pins do not slide
- Remove the blade
- Further dismantling procedures should be carried out only by Nouvag authorized personnel

4.2 Cleaning
The Dermatome and its parts should be cleaned and scrubbed with a soft brush under warm, running water.
Spray the Dermatome interior with NOU-CLEAN Spray Art. 1795 for a maximum of 3 seconds.

Fig. 4
Place a drop of oil onto all the movable parts (Oil bottle Art.-Nr. 1882)
4.3 Sterilization

The Dermatome can be sterilized in the autoclave at a temperature of 134°C for 12 minutes or at 120°C for 20 minutes. Pack the clean and dry Dermatome into a sterilization bag made out of transparent plastic and paper. The bags should be according to DIN 58953. The bags are sold single or in the form of tubes. The packing should let gas and condensed water through, with fine pores in order to prevent from recontamination of microorganisms.

Caution: Autoclaving the Dermatome without first packing it into a bag will seriously damage it!

During the autoclaving procedure, some condensed water may pass into the bag. After autoclaving, place the sterilization bag with its paper side up to help the water easily diffuse out of the bag. Allow the dermatome to rest in this position in the sealed bag for at least 12 hours at a room temperature.

After this rest period, the Dermatome will be ready for the next use or can be stored in the autoclave bag until time for its next use.

Clearly mark the sterile packaging with the following information:

1. Date of the sterilization
2. Name of the person who performed the sterilization procedure
3. Clearly mark the word “STERILE” on the pack
4. List the contents (if not visible through the packing)

Seal the bag with a device that creates a seal at least 8mm wide (DIN 58963, Part 7). The bag sealing should be at least 1 cm. To prevent the seal from breaking, do not fill the sterilization bag more than 80%.

5 Troubleshooting

If the problems with the Dermatome cannot be solved, contact your local dealer or any Novag Service Center.

6 Technical specifications

- Weight 12mm: 71g
- Weight 25mm: 195g
- Weight 50mm: 227g
- Weight 75mm: 280g
- Cutting width: 0.05 - 0.55mm
- Speed: 500 - 8000 rpm
- Sterilization up to 135°C
7 Symbols

⚠️: Attention: read instructions first

🔥: Sterilization up to 135°C

Europe: Sign of the European Union Conformity

8 Models and spare parts

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<tr>
<th>Article No.</th>
<th>Description</th>
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<tr>
<td>1903</td>
<td>Dermatom 12mm E-Fitting</td>
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<tr>
<td>1902</td>
<td>Dermatom 25mm E-Fitting</td>
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<td>1901</td>
<td>Dermatom 50mm E-Fitting</td>
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<tr>
<td>1900</td>
<td>Dermatom 75mm E-Fitting</td>
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Fig. 5
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