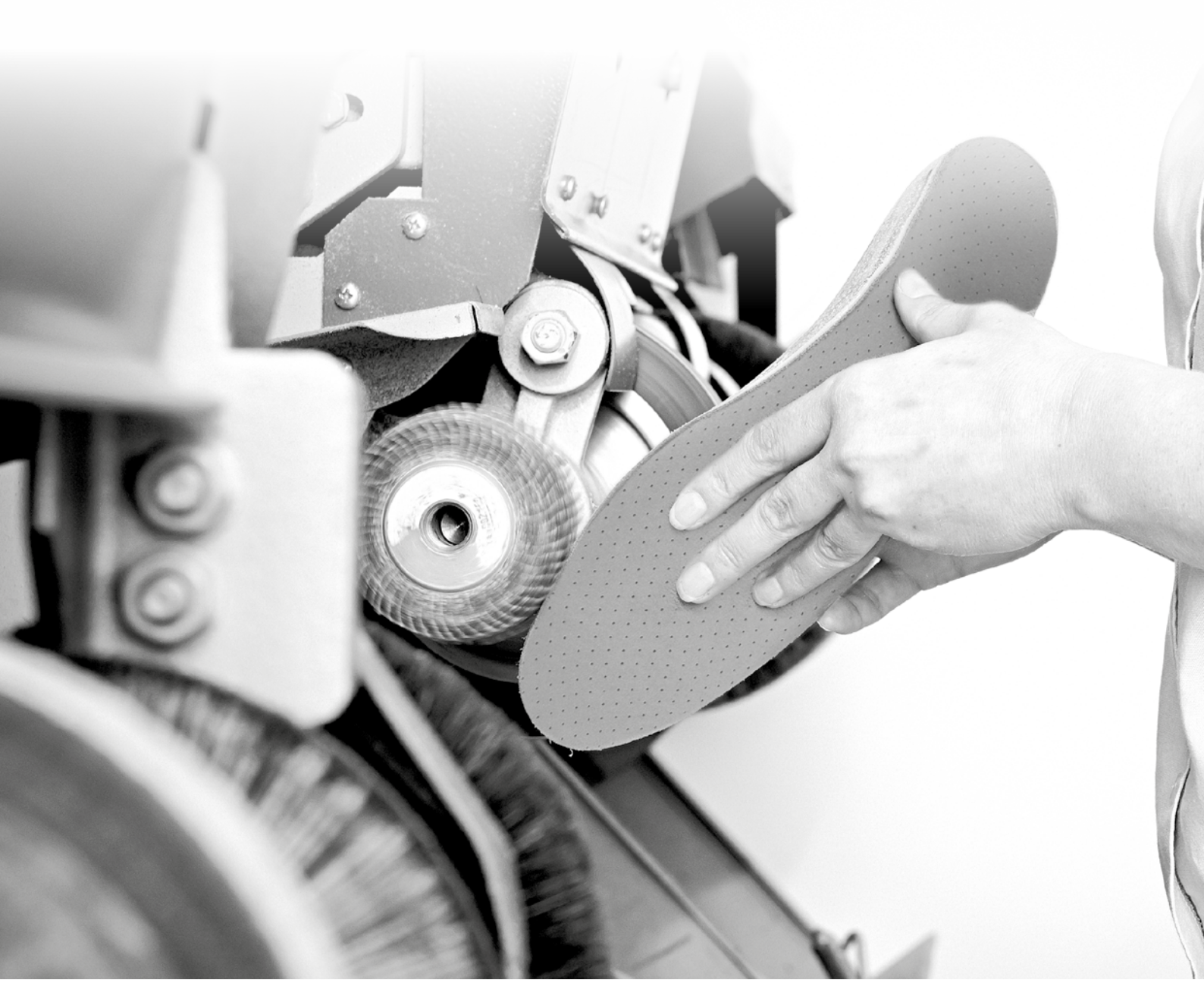
NovaPED by schein

PROCESSING INSTRUCTIONS FOR ORTHOPAEDIC (SHOE) TECHNICIANS



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Germany since 1879

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INCREASING QUALITY OF LIFE
AND WELLBEING OF PEOPLE!

Processing instructions for orthopaedic (shoe) technicians

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1. Introduction

Dear customers,

We would like to thank you for the trust you have placed in us by purchasing these insole blanks. You have made a good decision. It is our goal and aspiration, in close cooperation with our partners, doctors, health insurance companies and medical services, to ensure the best possible foot care with our insole blanks. Find out more about our products and visit our website: **www.schein.de**

Please read the processing instructions carefully before further processing the insole blanks and observe all information, especially the safety instructions.

2. Product description

Insole blanks are preliminary products for orthopaedic insoles. They are further processed by orthopaedic (shoe) technicians or other qualified specialists to create a customised product for the user.

Depending on the indication, different variants of the insole blanks are offered. The manufacturing technique and material selection of the insole blanks is diverse. It is essential to follow the processing instructions for the various insole blanks.

3. Determination of aims

Customised insoles are functional orthoses that are applied plantar to the foot and worn in shoes suitable for insoles. They are customised to the foot and are used to support, bed, correct and stimulate the muscles of the foot, to relieve or redistribute the load on the soft parts of the foot and to maintain the arch of the foot.

4. Application risks

The use of orthopaedic insole blanks is not suitable in the case of significant foot deformities and pronounced sensitivity disorders of the feet.

5. Conditions of use

The insole blanks must be individually customised to the user's needs by qualified specialist personnel before they are used for the first time. They must be supplied with a suitable cover, ready for use and fitting.

6. Application instructions and risks

- When determining the size of the insole blanks, the size information only provides a guide. Just like a suitable shoe, the insole blank should also take into account the thrust space in addition to the foot length and, in the case of children, the growth space. Due to possible differences in length, both feet should always be measured, with the larger foot providing the required length.
- The insoles should always be worn in pairs and on the correct side with a stockinged foot. The footwear should have sufficient internal volume for the foot and insole. The insoles must not slip or crease when putting them on.
- Insole materials are subject to ageing or wear and tear and their properties may change. If insole components are damaged as a result of mechanical overload, the insoles must no longer be worn.
- An already processed insole blank is not intended for reuse.

7. Safety instructions

- Further processing and customisation of the insole blanks, as well as instruction of the individual custom-made product, is only carried out by qualified specialist personnel.
- The general occupational health and safety obligations of the German Occupational Health and Safety Act (ArbSchG) and the safety instructions for the machines used must be observed when processing the insole blanks.
- Materials used for the insole blanks may change in their properties due to ageing. The condition of the insole blanks should be checked before further processing.
- To protect the insole blanks from environmental influences, we recommend storing them in a dry and light-protected place at 10 to 30 °C.
- The customised insole is made to measure for a specific user and is only intended for that user's use.
- Depending on the country, customised insoles may be prescribed products that should be worn under medical supervision. They may only be used in accordance with the information in these instructions for use and within the scope of their intended purpose.

8. Materials

The materials of the insole blanks may vary depending on the model. The insole blanks are made up of the following components, among others:

- Base: EVA, PP, PE, PU, cork, carbon fibre, TPU
- Insole core: PP, PE
- Inside cover: EVA, PU, PE
- Top and bottom layer: Leather, imitation leather, microfibre
- Supporting parts (e.g. metapads): EVA, rubber, latex foam

9. Processing regulations

The Novaped insole blanks may only be further processed in accordance with the processing instructions described below.

9.1 NovaPED-Insole blanks with injection core

Thermal moulding

Hot air heating gun:

- For partial shaping of the insole blank, e.g. lowering or raising the longitudinal arch, move the hot air gun at a distance of approx. 15-20 cm for 2-3 minutes at approx. 400-500 °C in swivelling movements over the desired surface.
- Reshape the heated material of the insole blank as desired.

⚠ Adhesive bonds are loosened during thermal deformation! To restore the stability of the insole blank, its layers must be pressed together during the cooling process. The material must rest for 24 hours to regain its original strength.

Gluing/welding

- The insole blanks can be bonded on the top and bottom side with all standard covering and padding materials or attachment materials using the usual gluing methods.

Grinding

- A sanding belt grain size of 40 - 100 is recommended.

9.2 NovaPED-Insole blanks with film techology

NovaPED S90 by schein
NovaPED sports by schein
NovaPED business by schein
NovaPED Plateau by schein

Thermal moulding
Oven:
- To mould the entire insole blank, heat it for approx. 8 minutes at 80-120 °C between two silicone foils (art. no. 964120137, 269 x 363 mm).
- Vacuum mould the heated insole blank to the desired shape (e.g. lasts).
- The cooling time is approx. 10 minutes.

Hot air heating gun:
- For partial shaping of the insole blank, e.g. lowering or raising the longitudinal arch, place a silicone film (art. no. 964120137, 269 x 363 mm) on one side under the insole blank and move the heating gun at a distance of approx. 15-20 cm from the underside of the insole blank for 2-3 minutes at approx. 400-500 °C over the desired surface.
- The heated material of the insole blank can be moulded as desired.

⚠ Adhesive bonds are loosened during thermal deformation! To restore the stability of the insole blank, its layers must be pressed together during the cooling process. The material must rest for 24 hours to regain its original strength.

Gluing/welding
- The insole blanks can be bonded on the top side with all standard covering and padding materials using the usual gluing methods.
- Bonding on the underside is only possible to a limited extent, as their connection only produces a sufficiently adhesive result. The add-on parts can be made of EVA, PU or cork, for example, and are bonded using standard bonding methods.
- Welding attachments (e.g. Novaped elements) to the underside creates a very good connection.

Please observe the processing instructions from Novaped elements (item no. 099984-008) when welding attachment parts..

Grinding
- A sanding belt grain size of 40 - 100 is recommended.

9.3 NovaPED-Insole blanks with film technology and carbon core

NovaPED CARBON by schein

Thermal moulding
It is not possible to remould the entire insole blank.

Gluing/welding
- The insole blanks can be bonded on the top side with all standard covering and padding materials using the usual gluing methods.
- Bonding on the underside is only possible to a limited extent as the connection only produces a sufficiently adhesive result. The add-on parts can be made of EVA, PU or cork, for example, and are bonded using standard bonding methods.
- Welding add-on parts (e.g. Novaped elements) to the underside creates a very good connection.

ⓘ Please observe the processing instructions from Novaped elements (item no. 099984-008) when welding attachment parts..

Grinding
- A sanding belt grain size of 40 - 100 is recommended.

9.4 NovaPED-Soft foam-Insole blanks

NovaPED soft by schein

Thermal moulding
Oven:
- To mould the entire insole blank, heat it at 80-120 °C for approx. 2-8 minutes.
- Vacuum mould the heated insole blank to the desired shape (e.g. lasts).
- The cooling time is approx. 10 minutes

Heating gun:
- For partial shaping of the insole blank, e.g. lowering or raising the longitudinal arch, move the hot air gun at a distance of approx. 15-20 cm from the underside of the insole blank for 2-5 minutes at approx. 250-400 °C over the desired surface.
- The heated material of the insole blank can be moulded as desired.

Gluing
- The top side of the insole blanks can be bonded to all standard covering and padding materials using the usual gluing methods.

Grinding
- A sanding belt grit of 40 is recommended for pre-sanding and a sanding belt grit of 80 for finish sanding.

9.5 NovaPED-Milled insole blanks

NovaPED sensoCAD by schein
NovaPED active by schein

Gluing
- The insole blanks can be glued to the top side of all standard covering and padding materials using the usual gluing methods.

Grinding
- A sanding belt grit of 40 is recommended for pre-sanding and a sanding belt grit of 80 for finish sanding.
- All insole blanks without stiffening material on the underside can be adjusted from below, e.g. longitudinal arch, pad, pronation.

9.6 NovaPED-PU-Insole blanks

NovaPED PU by schein

Gluing
- The insole blanks that have a cover on the top (e.g. OnDry plus or Multiform) can be bonded to all standard cover and padding materials.
- The usual gluing methods for PU insole blanks without top cover can be used for bonding the bottom and top side of insole blanks.

Grinding

- A sanding belt grit of 40 is recommended for pre-sanding and a sanding belt grit of 80-100 for finish sanding.
- The thickness of the insole blanks can be reduced in the forefoot area by grinding from below.

Insole blanks can be glued to the top side with all standard covering and padding materials using the usual gluing methods.

9.7 **NovaPED-Cork insole blanks**

NovaPED Kork by schein

Gluing

- The insole blanks can be glued to the top side with all standard covering and padding materials using the usual gluing methods.

Grinding

- A sanding belt grit of 40 is recommended for pre-sanding and a sanding belt grit of 80 for finish sanding.

9.8 **NovaPED-Insole blanks for work safety shoes**

NovaPED work by schein

NovaPED PROTECT by schein

Please follow separate processing instructions

9.9 **NovaPED-4D-Insole blanks**

NovaPED 4D by schein

Thermal moulding

- Thermal moulding should be avoided, as the gyroid structure could change and thus lose its effect.

Gluing

- The insole blanks can be glued to the top side with all standard covering and padding materials using the usual gluing methods.

Grinding

- A sanding belt grit of 40 is recommended for pre-sanding and a sanding belt grit of 80 for finish sanding.

10. Warranty

The currently valid statutory warranty is granted if the product is used as intended. Non-compliance with the instructions for use and processing and independent technical modifications and additions to the product will invalidate the warranty and general product liability.

CE	Conformité Européenne
	Retailer
	Manufacturer
LOT	Lot number
MD	Medical Device
REF	Article number
UDI	Unique Device Identifier (UDI) + DataMatrix
	Expiration date
	Warning
	Notice

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