



ASTEND

# Individual orthopedic insoles

PIEDU

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Astend sp.z o.o. is a partner for distributors and manufacturers of orthopedic devices.

We make our medical supplies using the highest quality materials and the most advanced technologies.

Specialized machines allow us to create an individual product quickly and precisely.

Our knowledge and many years of experience allow us to meet the expectations of our partners (medical stores, orthopedic laboratories).  
The production process of orthopedic equipment is organized in such a way to be as effective and efficient as possible.

You are welcome for cooperation.

**Astend Team**

## Orthopedic insoles

There are many types of insoles on the market. While they are all similar at first glance, the differences in hardness and flexibility are easily spotted.

The decisive issue, however, is the location of the pelottes, their shapes and degrees of hardness. So how do we know that a given insole will be suitable for our foot? It cannot be determined without proper diagnostics. It should be remembered that the insole must always be individually matched to the foot. Selection, however, should be **preceded by a diagnostician**. This applies to both



## Selection of insoles

When selecting insoles, we have to define what functions they should fulfill, which is why the insoles are always selected individually. A well-designed insole reduces the disproportions between the foot's efficiency and the transferred load. The tasks of the insoles include: maintaining the efficiency of the feet, correcting incorrect foot positioning, correct distribution of body weight to the surface of the feet, relieving overloaded areas, and increasing amortization.



Comfort insoles:

are intended primarily for professionally active people for whom everyday walking comfort is extremely important. They are designed in such a way that they fit most styles of business and leisure footwear.

Thanks to the appropriate support of the longitudinal and transverse arch, the insole ensures even pressure distribution over the entire foot surface, and the use of a soft lining provides the feet with high comfort during walking.



## Insoles production process

We work on the highest quality equipment, using the most advanced technologies.

Qualified and experienced staff combined with modern diagnostic tools are a guarantee of the quality of our insoles

Milled insoles are made with the use of CNC machine tools. This technology ensures very high accuracy and aesthetics of workmanship. To create the project, we

use a 3D scan of the foot, which, combined with the precision of CNC machines, provides an insole perfectly suited to the foot.

1. Imprint in the foam
2. Scanning
3. Designing

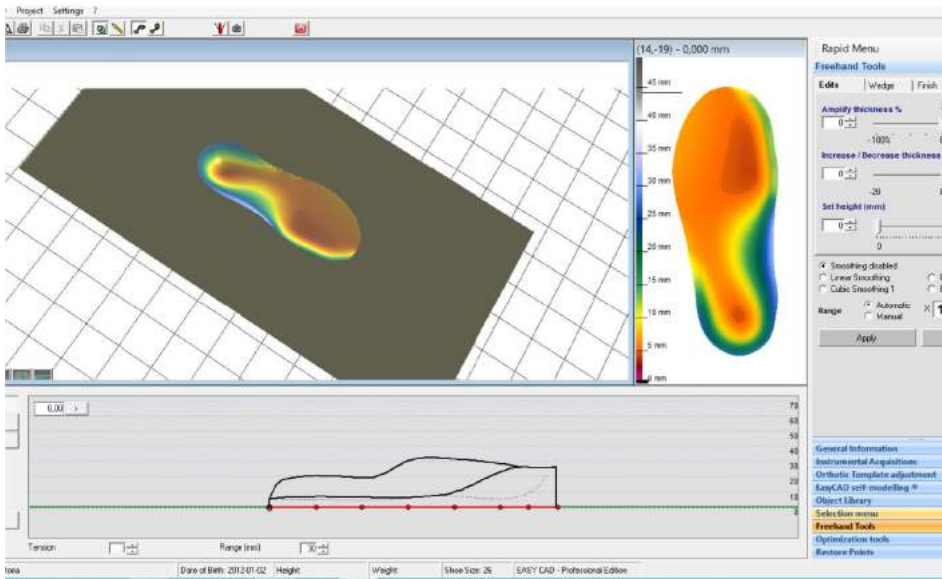
1. Imprint in the foam



## 2. Scanning



## 3. Designing



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**4. Milling**



**5. Cutting and processing**



**4. Applying lining**











## Materials used for the production of insoles

Individual insoles are made of the highest quality, special, certified materials, such as elastic polyurethane foams, cork-rubber composites, skin-friendly and anti-allergic cosmetic linings, which can be easily washed and disinfected, natural leather.

The materials are selected in such a way as to ensure the greatest possible comfort of use while maintaining the necessary correction functions. All the components we use are very durable.



Bloki do frezowania wkładek				
		Grubość	Skala twardości (shore)	Opis
Green		1,5	35	Doskonała kompresja, materiał idealny do sportowych oraz standardowych wkładek.
Blue		1,5	45	Materiał idealny do korekcji dla ludzi ze standardową wagą.
Yellow		1,5	30	Idealny dla stóp zmienionych chorobowo. Wydajny, trwały, komfortowy.
Rainbow		1,5	40	Gwarantuje stabilność i lekkość bez uszkodzeń tkanek.
Double		1,5	45	Kompaktowy materiał idealny dla ludzi z nadwagą.
Green-orange		1,5	35	Dywersyfikacja pomiędzy przodostopiem a piętą. Idealny dla stóp zmienionych chorobowo.
Orange		1,5	55	Kompaktowy materiał idealny dla ludzi z nadwagą.
Blue-green		1,5	45	Optymalny komfort przy intensywnym użyciu.

**Materiały ozdobne wykończeniowe**

Komfortowy materiał wyścielający, nadający się dla diabetyków



Posiadają właściwości antybakteryjne oraz antygrzybiczne



Posiadają dobre właściwości oddychające, łatwe w czyszczeniu





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# What makes us stand out?

## **Modern diagnostics**

Foot examinations are divided into two groups:

- static
- dynamic

## **Podoscope / scanner**

The patient stands bare feet on the podoscope / scanner. During the test, an image of the static load on the feet is recorded and automatically further processed to the computer. Digital analysis of the survey results gives us the answer whether and with what feet defect we are dealing with.



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To assess the work of the patient's feet during movement and to check how the weight is distributed on them, we perform a test on a barometric mat.

**The Medilogic** system is used to test gait in footwear. The insoles are then placed in the shoes and analyzed.



## Our machinery park

Thanks to technologically advanced machines, we are able to precisely cut and adjust our insoles to individual needs.

Our specialists take care of every detail so that the insoles are of the highest class in terms of both utility and aesthetics. The production department is under strict control from the design stage to the final product.

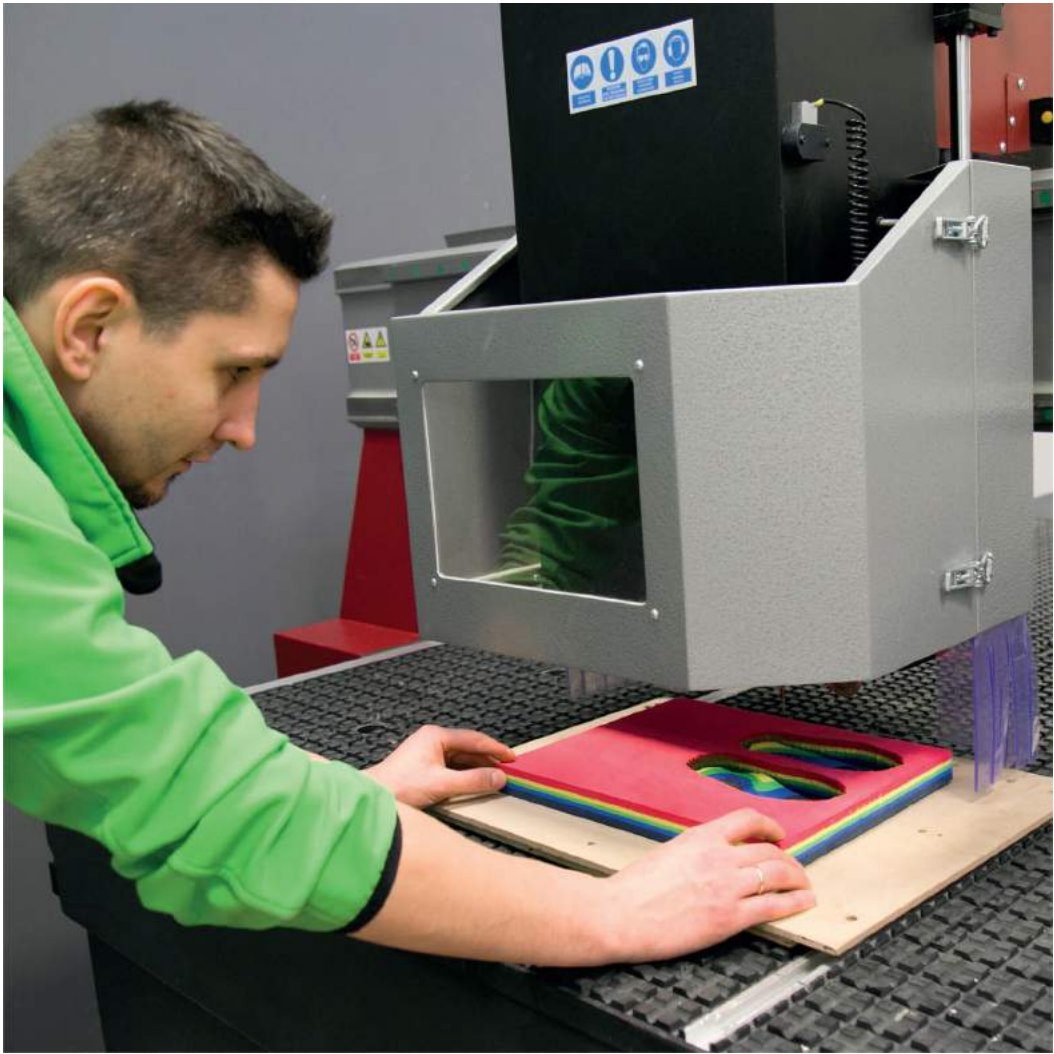








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Lewy  
w formie :)

Left one  
takes form :)

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## Why is it worth cooperating with us?

- Advanced production process - own machinery park
- The highest quality materials
- Fast order fulfillment
- Experience and precision
- Competitive price

ASTEND

brand owner



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