ARIA
INSOLES

ARIA technology reinvents the footbed role

ARIA technology transformed the traditionally static comfort improvement role of the insoles in a new 360 dynamic climate controlled system. In fact, no matter the amount of perspiration, nor the heat that your feet create… the ARIA insole will help you to counter balance these negative factors, constantly working to regulate the temp and moisture inside any type of closed footwear you wear, providing the optimal environment for your foot in any condition of use.

Our patented technology, combined with the quality and premium materials chosen (best polyurethane for the base and premium calf crust for the cover), have enabled us to create a unique product that will last over time.

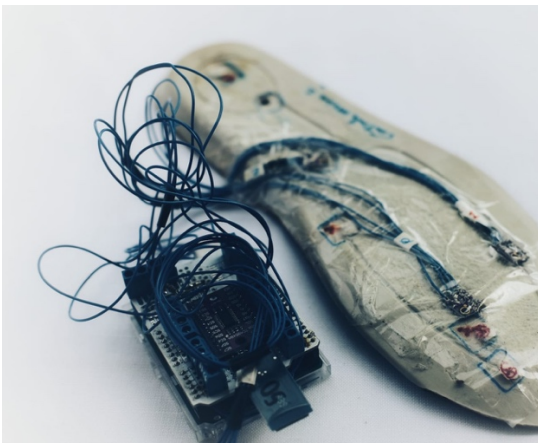
Each footbed can accommodate two sizes. We have already made the sizes 42/43 which are available for immediate delivery. The success of this campaign will allow us to offer you the other sizes.

OUR STORY – OUR VISION

Looking for a solution to overcome the limitations of current breathable footwear (e.g. high price, poor performance, poor aesthetics, water infiltration, etc.), after several innovation exercises, we realised that we had to focus on an element common to all shoes and independent of the design of the shoe: this element is the insole.

The development took more than a year and involved the creation of a mathematical model, a data acquisition system to measure temperature and humidity in the shoe and numerous prototypes ... but in the end, we managed to develop the product with the performance we were looking for.

Mathematical model of shoe breathability



16-channel real-time acquisition system based on Arduino board and SHT3x temperature and humidity sensor

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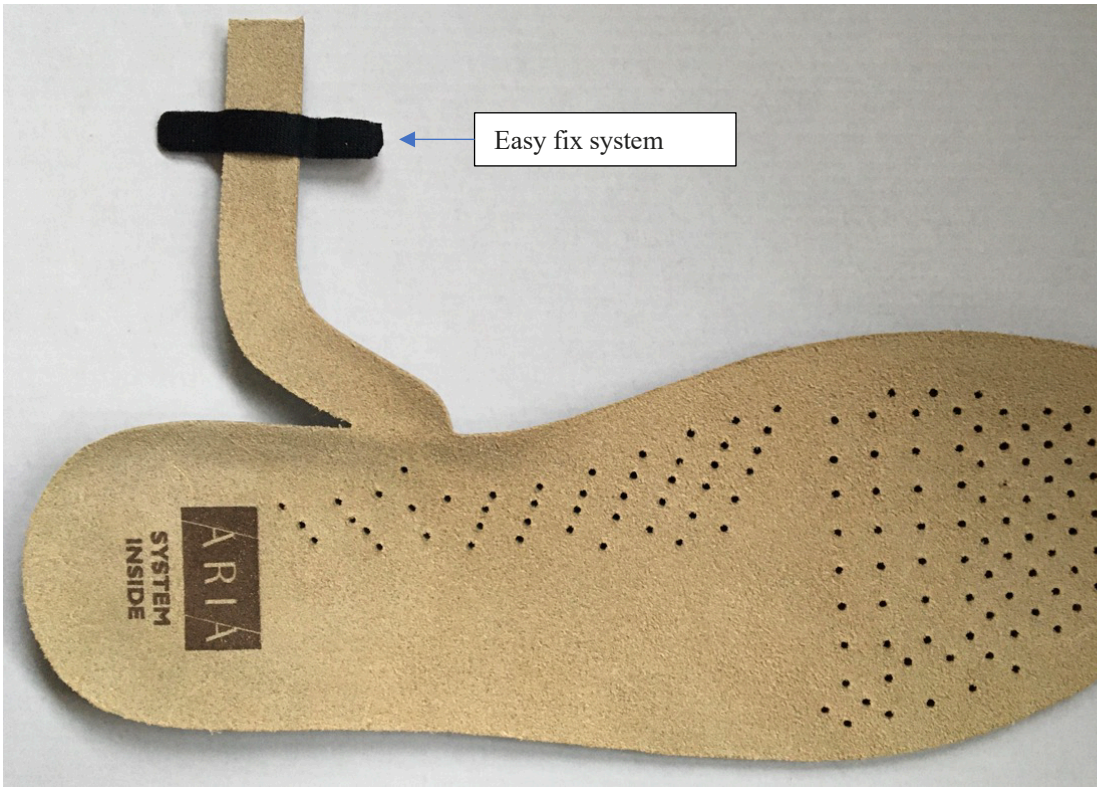
Cod. SDI: M5UXCR1
Capitale Sociale: 10k€ i.v.

manual production of prototypes

the working phases of the first prototype



Current version (V1.0) of the ARIA insole

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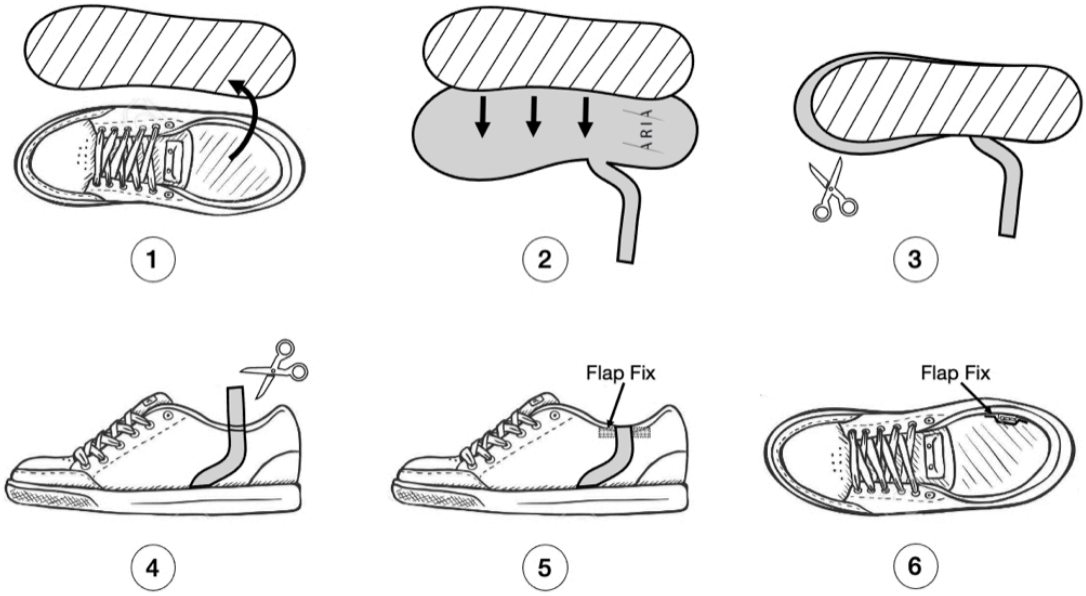
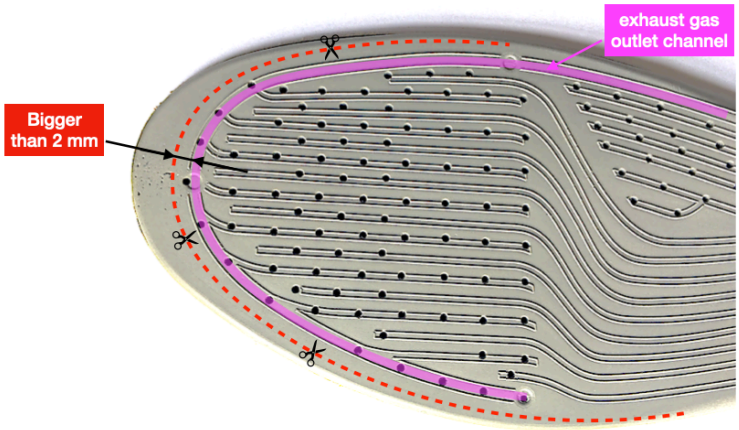
HOW TO FIT THE ARIA INSOLE IN YOUR SHOES

To customise your ARIA insole, all you need is a pen, a pair of scissors and the following steps.



PRECAUTIONS

PRECAUTION 1 - DO NOT DAMMAGE THE MOISTURE DRAINAGE CHANNEL



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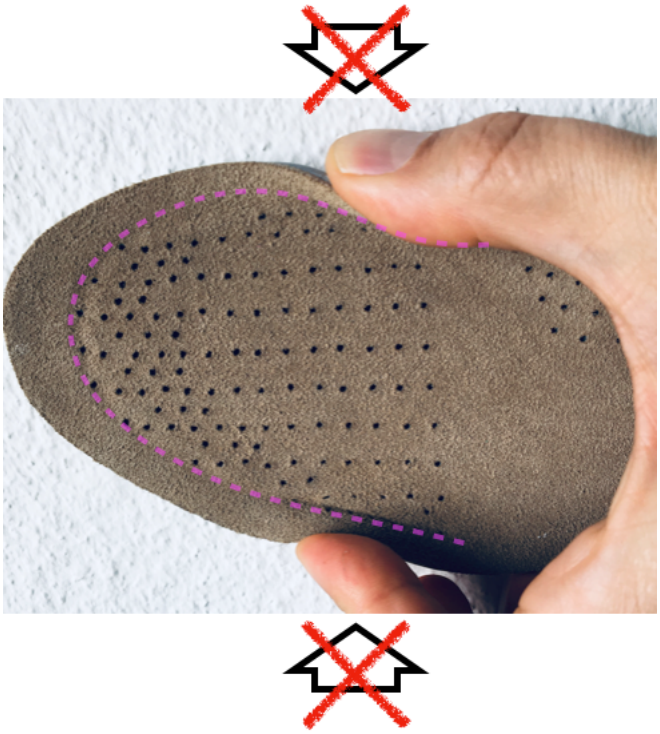
Remove the original insole supplied with the shoe and place it on top of the ARIA insole. Use the marker to highlight the excess part of the ARIA insole (if any). Cut off the unnecessary part of the ARIA insole with scissors, remaining at least 2 mm away from the moisture drainage channel.

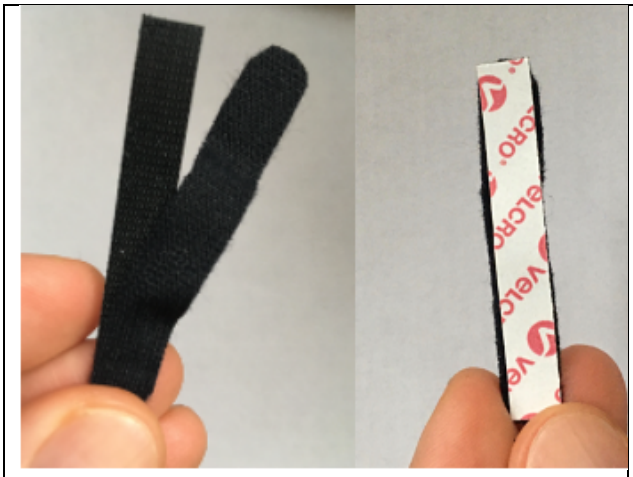
PRECAUTION 2 - AVOID LATERAL COMPRESSIONS



Under the toes and metatarsals, make sure that the ARIA insole is no larger than the original footbed. When used, the footbed must not be compressed laterally, otherwise the exhaust gas outlet channel could become occluded and impair its function.

PRECAUTION 3 – GLUE THE FLAP-FIX TO THE SHOE AND NOT TO THE INSOLE FLAP

The side flap of the footbed must be free to move during use, in order not to mechanically stress the cover leather and to prevent it from detaching. Therefore, the glue of the Easy-Fix System (EFS) system must adhere only to the shoe upper and not to the footbed. In order to achieve this, put the shoe on, moving the flap so that it occupies the cavity formed by the inner malleolus, the Achilles tendon and the shoe upper. Once you have found the right angle for the lateral flap, fix it with the EFS following the below steps, and remove the excess flap so that it is invisible from the outside.

	
1. Expose the adhesive part of the EFS (Velcro hooks)	2. Attach it to inside of shoe along the path of the insole lateral flap.
	
3. Inserting the ARIA insole in the shoe	4. Use the remaining part of the EFS (Velcro loops) to firmly position the ARIA insole lateral flap

PRECAUTION 4 – ADAPT THE INTERNAL SPACE IN THE SHOE

In the event that the original footbed is very different in thickness to the ARIA footbed, it is suggested that the space inside the shoe be mudulated by acting on the laces. In this way the amount of empty volume available for the foot will be the same with the original footbed and the ARIA footbed, and the benefits of our technology will be easily felt as an improvement on the previous situation.

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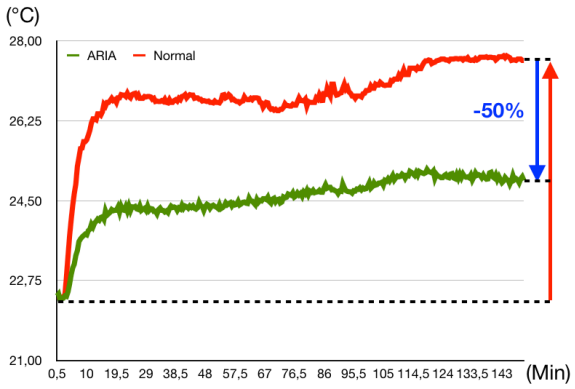
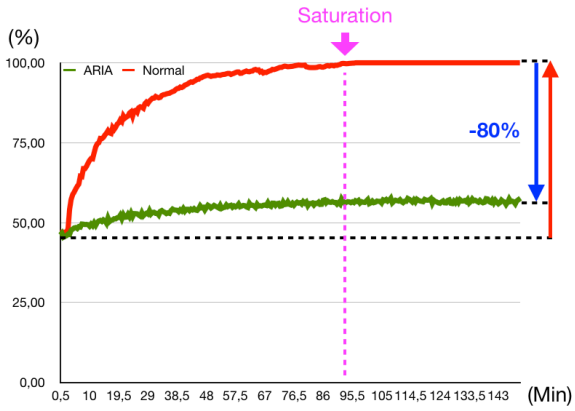
Clarifications and disclaimers

Aware that the overall comfort level of a shoe is a personal judgement (subjective evaluation), in the following we provide the temperature and humidity improvements offered by our technology (objective evaluation).

The graphs show in more detail the experimental results obtained with the current version of the ARIA footbed when used in non-breathable, boot-like footwear of medium height (up to the ankle).



PLANTAR TEMPERATURE



PLANTAR RELATIVE HUMIDITY

Finally, it should be noted that the level of moisture and temperature reduction in other footwear is highly dependent on many parameters (e.g. the materials of the footwear, any breathable inserts incorporated into the sole or upper, the physical activity of the user and their degree of plantar perspiration, the temperature and humidity of the environment outside the shoe, etc.). Therefore, although we are certain of the benefit you will derive from the use of ARIA insoles, we cannot guarantee that the performance obtained under experimental conditions will be the same as that which you will obtain by using the ARIA insole in your shoe.

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