

LTS 138 MS

The innovative shaping press for high-quality antibacterial protective masks

THE ORIGINAL
FROM MILAN
SINCE 1972

Together with the renowned Italian yarn developer Coatyarn and two other textile developers, Lotus has teamed up to develop a particularly high-quality and innovative protective mask production including the necessary yarn and a heat fixation unit. The aim was to create a high-quality protective mask that has excellent filter properties and should be available in many color variants. In addition, the protective mask should offer a high wearing comfort and high wash resistance. The protective mask blanks produced in the industrial knitting process are shaped by a special heat fixation process. This task is carried out by a specially developed heat press, which is produced in the Lotus Press heat press factory in Milan.

Lotus specializes in the development of customized heat press solutions. The heat press is available with 3 molded bodies for the "Evolution Mask".

For this mask press, Lotus uses the basis of the established LTS 138, a particularly functional and versatile heat press model. Shaped bodies were developed for this press, which are mounted both on the upper heating plate and on the lower pressure plate. Through the pressing process, the protective mask blank is given the characteristic shape and furthermore a soft and pleasant touch.

The LTS 138 MS has a modular structure and offers the option of exchanging the printing plates in order to use the same heat press to also print onto hats, t-shirts, jackets, bags, shoes or umbrellas. The plates can be exchanged quickly and easily.

The pressure arm engages automatically during the printing and pressing process so that the operator does not have to keep the pressure lever pressed. To open it, simply lift the print arm. The integrated spring mechanism brings the heating plate up without effort from the operator.

The pressure is adjustable via a regulator on the lever mechanism. The heat press is equipped with a digital display that shows time and temperature. At the end of the printing process, an acoustic and visual signal shows the end of the process, an aspect that considerably simplifies the operator's work.

Thanks to the innovative and effective heating technology, rapid and uniform heating is guaranteed at a constant and homogeneous temperature over the entire pressure range.



TECHNICAL DATA

Model	LTS 138 MS
Print area	3 mask moldings
Digital timer	0–999 sec
Temperature	0–250 °C
Watt	1,5 kW
Power	220 V
Weight	65 kg



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EVOLUTION MASK

Protective masks as a fashion accessory - antibacterial, chic and washable

Evolution Mask is the first filter protection mask made from innovative **TPU EVOLUTION** polyurethane yarn in combination with bacteriostatical polyamide fibre 6,6 Q-SKIN by Fulgar®.

Evolution Mask offers high breathability. It absorbs and dissipates sweat and excess heat thanks to the specific yarn properties and feels remarkably soft.

Thanks to the **TPU EVOLUTION** silver ion production technology "Polymeric Matrix", Evolution Mask is odor-controlling, anti-microbial and permanently antibacterial.

Evolution Mask is three-dimensional. It is made on straight knitting machines and, due to its shape, is particularly comfortable to wear and promotes easy breathing while being worn. The protective mask fits the face gently without touching the mouth. The mask is free of wires. The length of the rubber bands on the side can be easily adjusted to ensure the best possible comfort when worn behind the ears. The rubber bands can also be attached behind the neck.

Evolution Mask is reusable and can withstand bleaching agents well numerous machine washes at 60 °C, while the antibacterial, dimensional and color properties remain unchanged!

Evolution Mask is also available in "light" with two layers of knitwear.

IMPORTANT NOTES ON THE PROTECTION LEVEL OF COVID-19

- Evolution-Mask is classified as a filter and can be used for personal use. For maximum protection, however, the safety distances recommended by the health authorities must always be observed.
- Evolution-Mask is not a medical product - it is not certified for use in hospitals or medical or care facilities.
- Use and sale are subject to Italian Legislative Decree 17.03.2020, n. 18 - art. 16 paragraph 2.
- Textile composition of the Evolution-Mask: 39% **TPU EVOLUTION** - thermoplastic polyurethane - 60% bacteriostatical polyamide fibre 6,6 Q-SKIN® - 1% elasthan.

Protective masks alone do not protect against COVID-19 infections. We generally recommend using eye protection, gloves and observing the required distance rules and any other necessary precautionary measures.

More product details

Extra filter version: A second "High Filtration" version is available. It offers two layers of knitted fabric + a special spacer that was specially developed to improve filtration efficiency

Different sizes: Evolution Mask is available in 3 sizes, S - M - L

Many colors available: designs are currently available in 10 attractive colors.

All are made with the "water-free" eco technology.

An eye-catcher is our special edition with the "photochromic" technology. I.e. the color of the knitted fabric changes when the mask is exposed to sunlight (variation from white to light blue).

For storage: The "Evolution Protective Mask Case" serves as an innovative and exclusive storage bag with space-saving dimensions. This bag can hold up to 3 fresh masks and has a separate pocket for storing the used masks. The bag is completely antibacterial and antimicrobial. The bag is also machine washable well over numerous times at 60 °C and is available in fashionable 10 colors.

All items are 100% Made in Italy



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