

ICTYOS

CUIR MARIN DE FRANCE



#### MISSION

# INVENTING THE PRECIOUS LEATHERS OF TOMORROW

ICTYOS combines the traditional know-how of a French tannery with an eco-responsible approach by transforming fish skins from the food industry into very high quality sea leathers.



## PHILOSOPHY

# A RENEWABLE SUPPLY

In order to guarantee the highest quality of sea hides, ICTYOS tanning processes require a careful selection of the finest fish skins from our French agri-food partners.

To control the traceability of supplies, ICTYOS relies on a network of local partners and reduces its carbon footprint thanks to this short circuit. By recovering skins that were initially destined for destruction, ICTYOS does not increase fishing and use smartly the available resources in an upcycling logic.

ICTYOS favours vegetable tannins composed of leaves, roots or fruits to minimise the impact on deforestation.

## RESPECTING BIODIVERSITY

- Recycling of sea skins
- No breeding for skin
- No endangered species



KNOW HOW

## A FRENCH SAVOIR FAIRE

KNOW-HOW AND TRANSPARENCY  
AT THE HEART OF THE PRODUCTION PROCESS  
OF ICTYOS SEA LEATHERS

ICTYOS sea leathers are developed and produced in our tannery in Lyon.

The Squama<sup>®</sup>, high quality scaled salmon leather, the sturgeon leather and the carp leather are tanned in compliance with the European REACH standard guaranteeing the absence of harmful, toxic or polluting elements in our processes.





## 1 THE CHOICE OF SKINS

Each skin is rigorously selected according to the regularity of its grain and scales, among a choice of fish skins raised in exemplary conditions.

## 2 THE RIVER

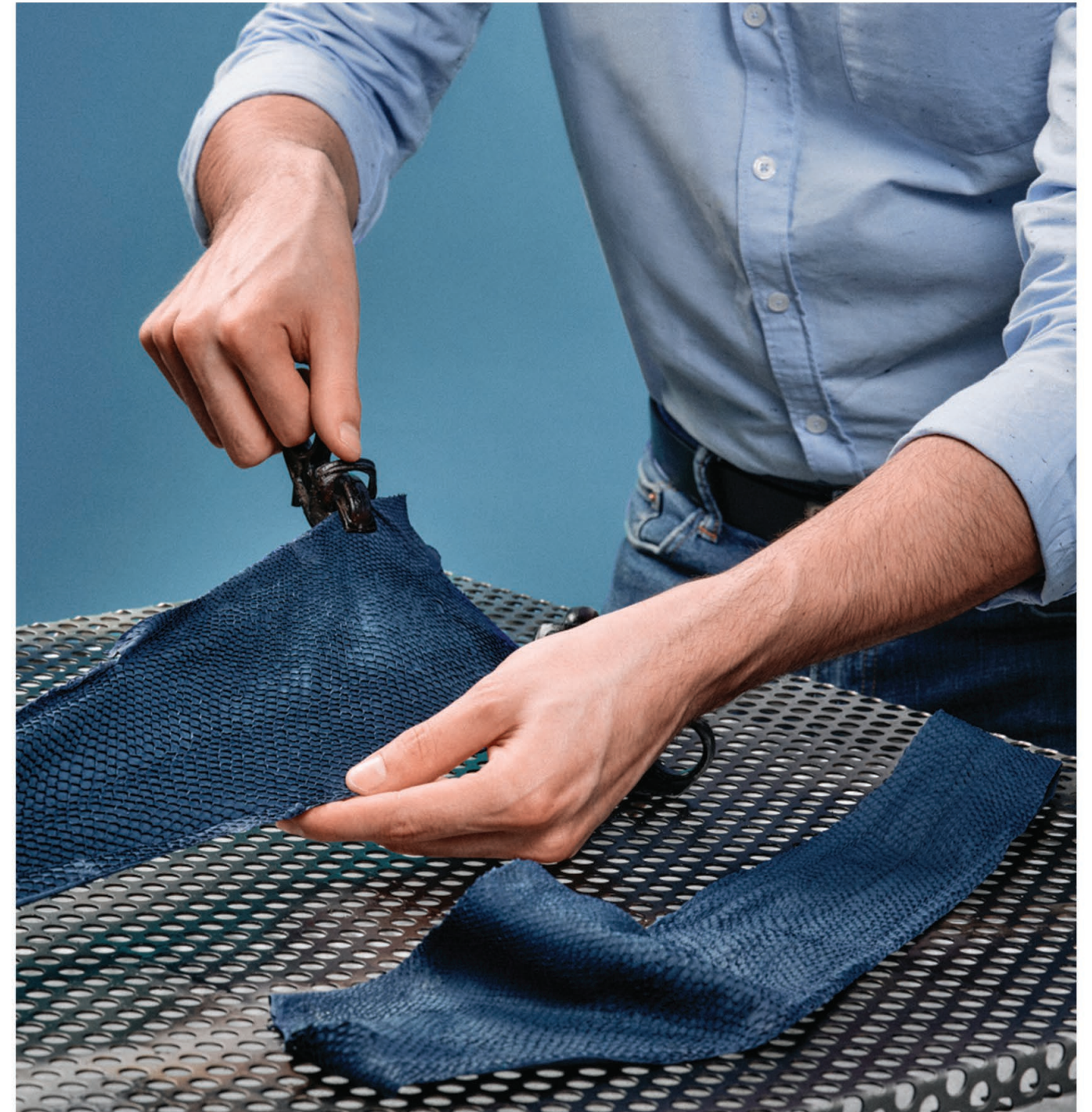
The skins are added in a drum and the transformation process begins. River baths are performed in order to purify the skins and to prepare them for tanning while removing the scales.

## 3 TANNING

The tanning of the hides is one of the most important steps in the ICTYOS manufacturing process. This step will make the skin eternal and avoid its natural degradation. Depending on the desired characteristics (softness, resistance, color), we use organic tannins such as mimosa, chestnut or quebracho.

### VEGETAL TANNING

- Chrome free and metal free
- Hypoallergenic leathers
- Woody smell







#### **4 RETANNING**

This indispensable step brings its final properties to the leather. Thanks to oils, the leathers are nourished and get the right suppleness, by dyeing, the leathers are evenly and deeply coloured. Once colored, the leathers are matured, extended and then air-dried.

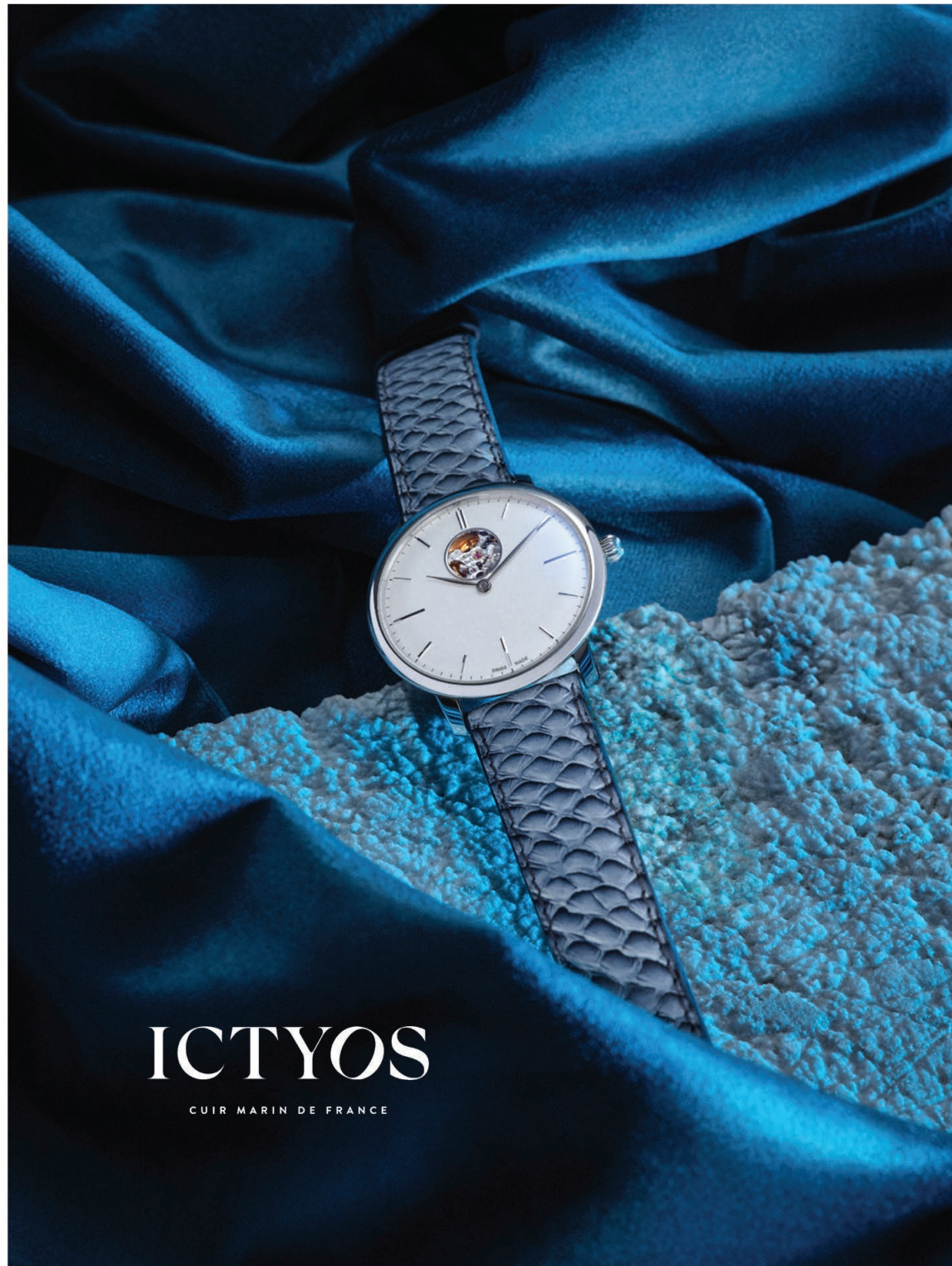
#### **5 SOFTENING**

The leather is relaxed by the passage through a softening machine. A mastered pressure is applied on the leather by means of the rounded blades of a jerking wheel.

#### **6 FINISHING**

The finishing step is composed of several meticulous gestures which provides the surface of the leather with a shiny or matt aspect and ensures a good resistance overtime.





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## PERFORMANCE

SOME OF THE MOST RESISTANT  
AND FINEST LEATHERS IN THE WORLD  
BECOMING MORE DURABLE OVERTIME

The multi-directional organisation of the sea fibers gives the leather a very high natural mechanical resistance. The ICTYOS leather tanning process amplifies its strongness thanks to 2,000 parameters set after 3 years of R&D and more than 2,500 tanning optimizations.

ICTYOS sea leathers are the first in the world to meet the multiple technical requirements of watchmakers. Numerous quality tests (light, humidity, dyeing), carried out by French and Swiss watch strap manufacturers, guarantee their resistance.



# TEAM

## THREE CHEMICAL ENGINEERS COMMITTED TO SUSTAINABILITY

Benjamin Malatrait, Gauthier Lefébure and Emmanuel Fourault met on the benches of chemistry and engineering schools. For the three founders of ICTYOS, the innovative MADE IN LYON tannery, the question of eco-materials and responsible sourcing is a priority for tomorrow's luxury. Supporting the ecological evolution of precious leathers, they started three years of intense R&D on the production of ethical sea leathers.

Since 2019, they have been organizing a system with the French food industry logistics to transform the skins into genuine leathers with an exotic signature. ICTYOS has set up its own manufacturing process with 100% vegetable tanning. A unique recipe that allows them to obtain a hypoallergenic leather, with a woody smell, which becomes more elegant overtime.





LEATHERS

# SQUAMA®

## HIGH QUALITY SCALED SALMON LEATHER

Its tight, perfectly symmetrical grain across the surface makes it easy to use for ornamental work, watchmaking, sheathing and leather goods. It is very durable and can be finished in a variety of ways, from light to perfectly flat to soft.

Squama® is an exceptional leather with unique properties that are unmatched by any other leather. The main characteristics of this leather are its grain, its fineness and its resistance. Squama® also has a suppleness and elasticity that are exceptional.



Ash



Abyssal Blue



Royal Blue



Sage Green



Plum



Coral Red



BRIGHT SQUAMA®



Ink Black



Atlantic Blue



Adriatic Blue



English Green



Bordeaux



Cardinal Red



SATIN SQUAMA®



Carbon



Baltic Blue



Spirulina



Aegean Blue



Wine lees



Velvet



METALLIC SQUAMA®



Silver



Gold



Bronze



Boreal



Amethyst



Sapphire



GRADIENT SQUAMA®



Icy



Storm



Emerald



Carmine



Sierra



Bumblebee



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