



# NOTHING GOES TO WASTE

Creating leather creates waste, but thanks to smart technologies and recycling of materials we can make sure nothing goes to waste when we produce car leather.

## 1. STARTING PHASE

Automotive leather exclusively uses bovine (cow) hides, which are a by-product from the meat industry.



### MEAT PROCESSOR

The meat industry has two resulting products.



HIDES



(MEAT) FOOD INDUSTRY

### WHAT IS AN OFFCUT?

Offcuts are the parts of the hide cut away during the process. These are still useful, so they are used accordingly.



FINISHED LEATHER



OFFCUTS

OFFCUTS ARE CONVERTED OR RE-USED AS A MATERIAL



CUTPARTS

LEATHER CAR SEAT

## 2. BEAMHOUSE

In the beamhouse, the hides are cleaned and prepared for tanning (which turns it into leather).



TRIMMING & FLESHING

Removal of leftover meat or unwanted tissue

FLESH / MEAT BITS

Meat scraps, fat

TRIMMING OFFCUTS

Collagen, hair, fat

ANIMAL FEED

BIOGAS

RECOVERY OF FAT

COMPOSTING

BIOGAS

Furter used in

FOOD INDUSTRY

MEDICAL INDUSTRY

COSMETIC INDUSTRY

Furter used in

TALLOW (FAT)

COOKING

GLUE

## 3. TANNING

Tanning stabilizes the fibre structure of the hide and turns it into what we call leather.



TANNING

Chemically converting the hide structure into stable, resistant leather

## 4. POST-TANNING

During the post-tanning phase, the leather is mechanically treated to create a thin, supple material



SPLITTING

The leather is split to reduce the thickness



SHAVING

Inequalities are shaved off to create an even surface

SPLIT HIDE

Grain hide, split & collagen

SPLIT LEATHER

BELTS

SHOES

SHAVING & TRIMMING OFFCUTS

Organic matter

COMPOSTING

PROTEIN FILLER

LEATHER FIBER BOARD

HIDE GLUE

SAUSAGE CASINGS

SOUND PROOF BRICKS

BONDED LEATHER

Furter used in

FOOD INDUSTRY

LEATHER PRODUCTS

FASHION INDUSTRY

Furter used in

FASHION & CONSTRUCTION INDUSTRY

FERTILIZER

AND THAT'S HOW WE LIMITED THE WASTE!

The final two steps leave no mentionable waste

## 5. RETANNING

## 6. FROM LEATHER TO CAR LEATHER