

ADVANCED DENIM

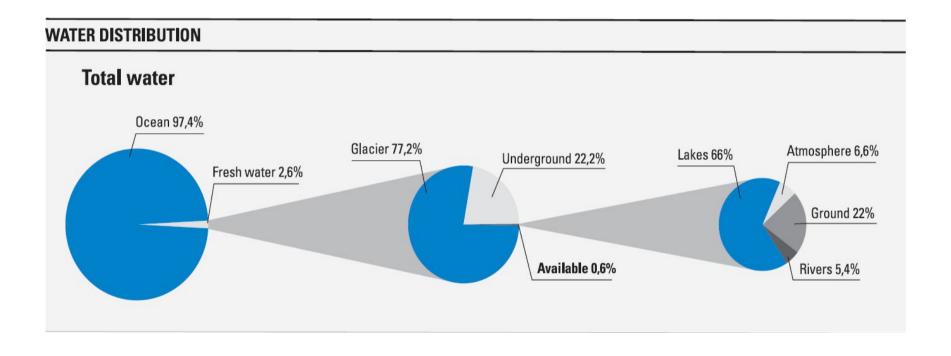
Exactly your chemistry.

A TECHNOLOGY FOR LOW ENVIRONMENT IMPACT DENIM DYEING AND FINISHING





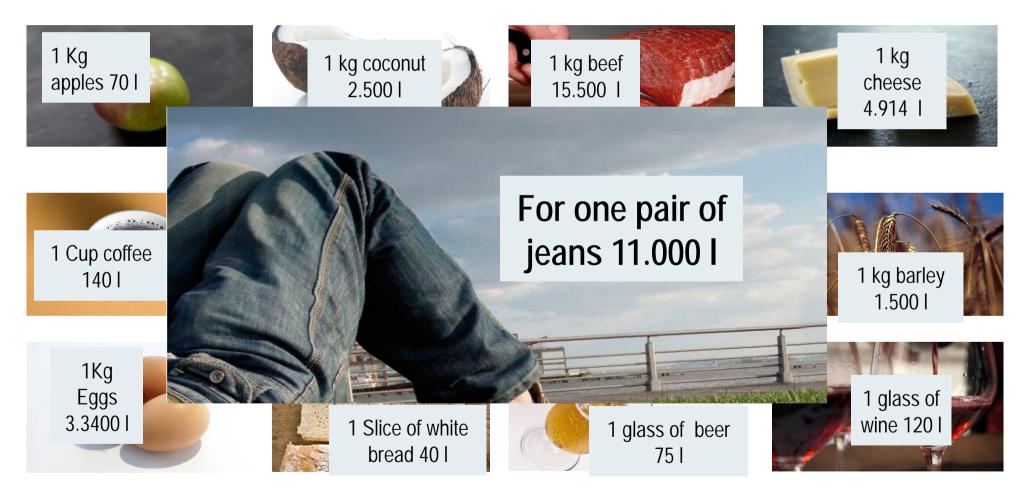
INTRODUCTION: WATER RESOURCES ON EARTH







WATER AND DENIM:



*data source: The National Geographical Magazine

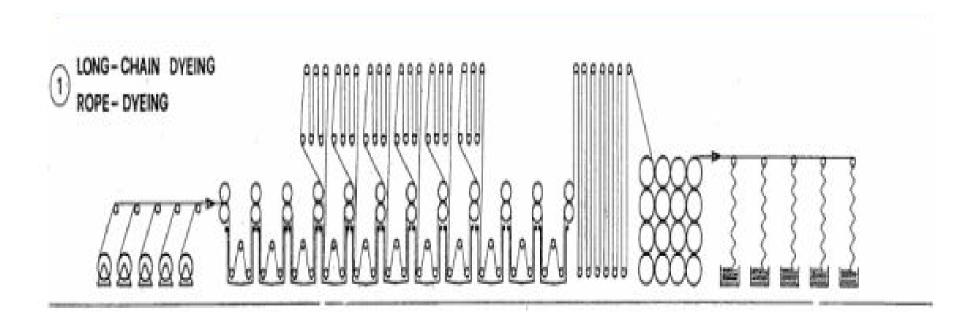






THE CONVENTIONAL DENIM WARP DYEING

THE DENIM CONTINUOUS DYEING METHOD

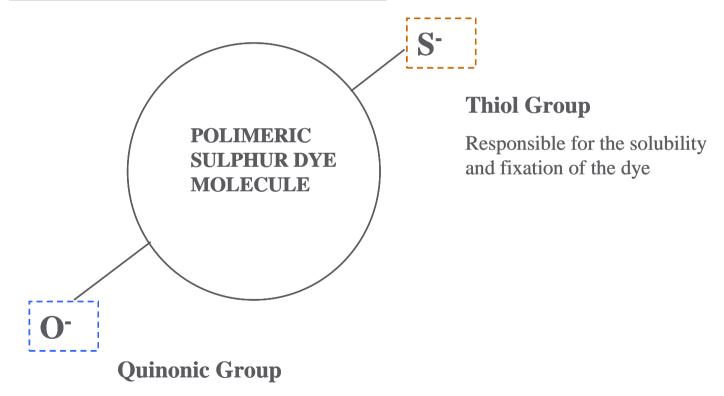






THE ADVANCED DENIM CONCEPT: SULPHUR DYE MOLECULE

SULPHUR MOLECULE DIAGRAME:



Responsible for the final shade





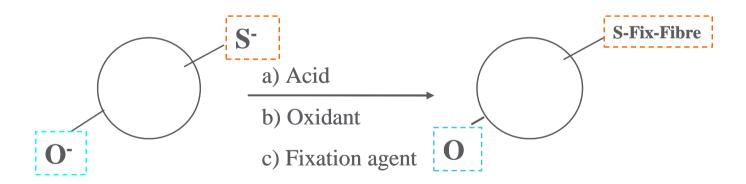


THE ADVANCED DENIM CONCEPT: FIXATION OF SULPHUR DYE

Step 1: Padding

Step 2: Skying

Step 3: FIXATION

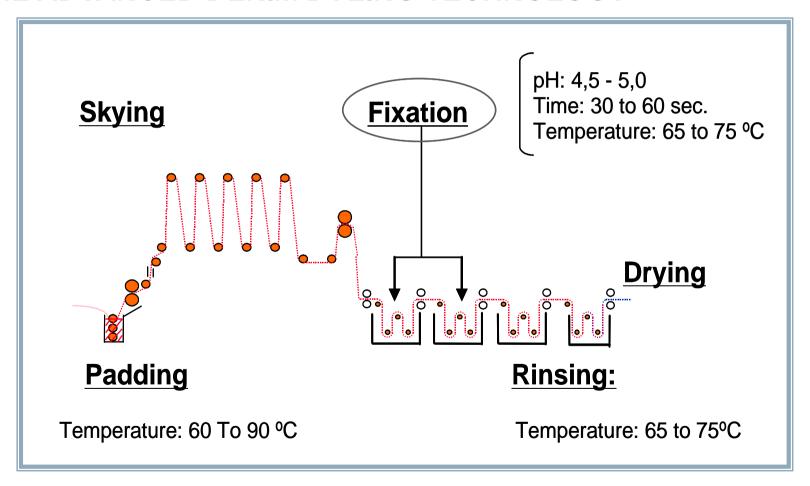


Step 4: Rinsing





THE ADVANCED DENIM DYEING TECHNOLOGY

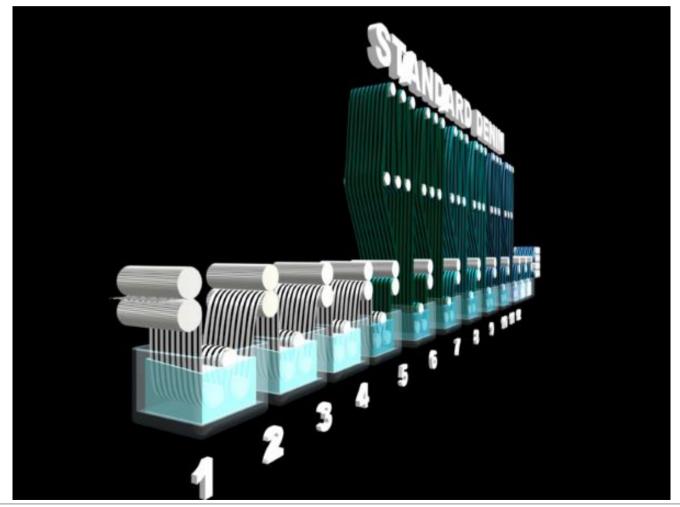








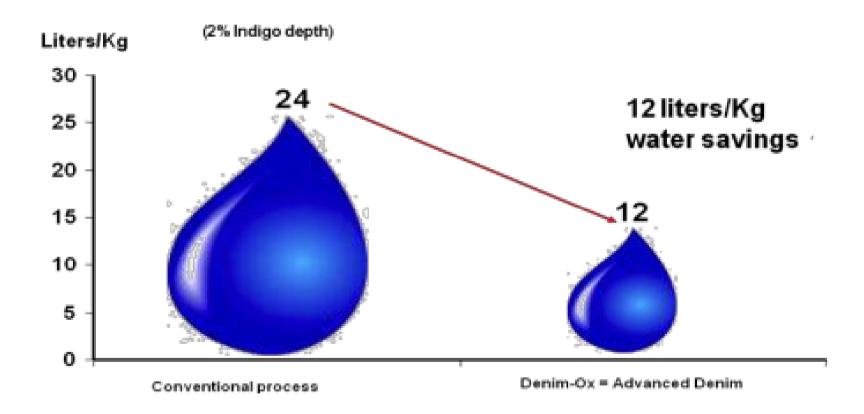
THE ADVANCED DENIM DYEING TECHNOLOGY







WATER SAVINGS THROUGH ADVANCED DENIM: DYEING







ADVANCED DENIM CONCEPT: EFFECT FLEXIBILITY

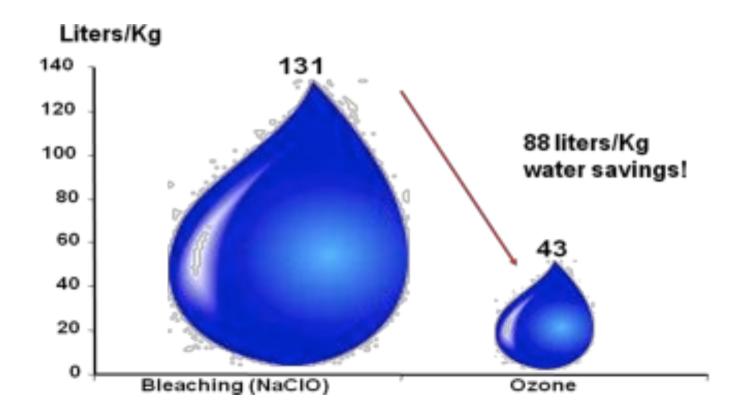








WATER SAVINGS THROUGH ADVANCED DENIM: WASH-DOWN



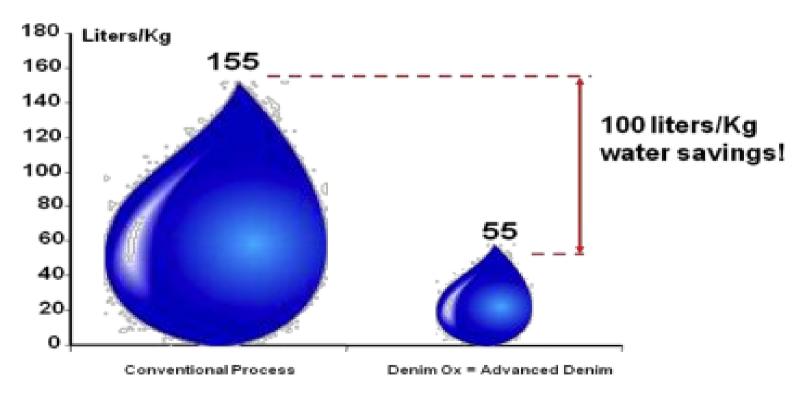






TOTAL WATER SAVINGS THROUGH ADVANCED DENIM CONCEPT

DYEING AND FINISHING:







Exactly your chemistry.

ONE STEP AHEAD IN DENIM EVOLUTION



1860

- Denim beginning
- Work wear market
- strong & durable material



1930-70's

- Denim appear in movies
- popular market, revolution
- 100% Indigo



1980-2000's

- Denim is revolution
- fashion is priority
- Indigo + Sulphur dyes



2010 →

- New denim era is coming
- sustainable fashion a must
- efficient technologies



The eco-efficient denim

Maximum results with minimum resources

DIRESUL RDT &

ARKOFIL DEN-FIX

Eco-friendly processes, coolcolors, and special effects – denim production with added value