A close-up photograph of several vibrant green leaves, likely from a citrus tree, covered in numerous clear water droplets. The background is dark and out of focus, making the bright green leaves and droplets stand out prominently.

**Sustainability
is a matter
of actions,
not of words**

MS
PRINTING SOLUTIONS
a **DOVER** company

JK
GROUP
a **DOVER** company

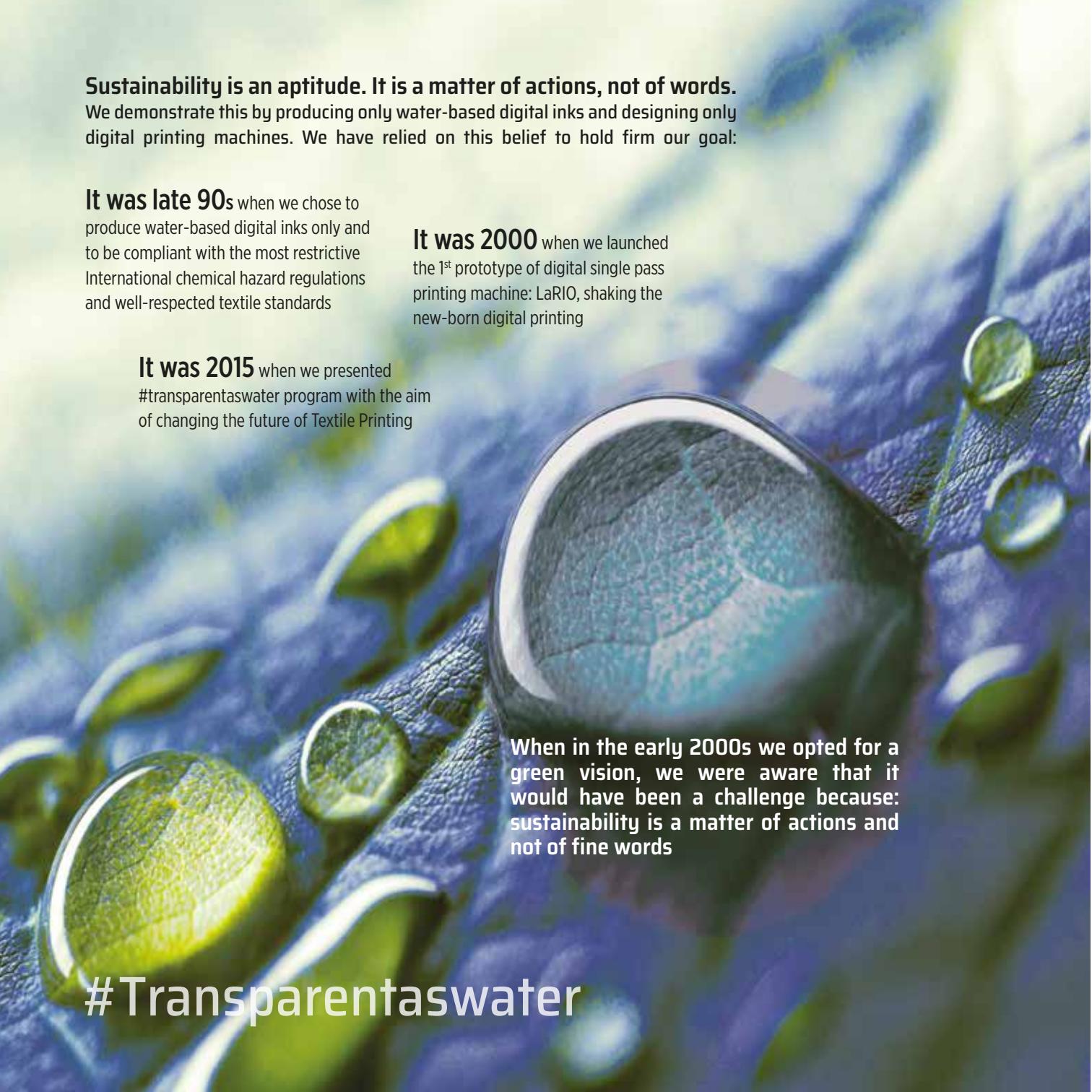
Everything began a very long time ago with the belief that:
"Only staying always one step ahead, we can drive the tech change"



Digital Textile Printing is our context

Since 2000 we have designed innovative solutions for the ever-changing Digital Textile Printing Market. Engineering machinery and developing inks are matters which require commitment by working with pragmatism, efficiency and quickness to reach prime standards. It is a conscious decision proven by our history and the investments made in "Clean Tech".





Sustainability is an aptitude. It is a matter of actions, not of words.
We demonstrate this by producing only water-based digital inks and designing only digital printing machines. We have relied on this belief to hold firm our goal:

It was late 90s when we chose to produce water-based digital inks only and to be compliant with the most restrictive International chemical hazard regulations and well-respected textile standards

It was 2000 when we launched the 1st prototype of digital single pass printing machine: LaRIO, shaking the new-born digital printing

It was 2015 when we presented #transparentaswater program with the aim of changing the future of Textile Printing

When in the early 2000s we opted for a green vision, we were aware that it would have been a challenge because: sustainability is a matter of actions and not of fine words

#Transparentaswater

The innovation which inspires our actions lets us conceive **high-tech digital printing machines** and design **water-based digital inks**, perfectly integrated with each other

This is possible:

by creating a team of experts (Reach Team) supporting our R&D to have an effective chemical risk-management complying with: The Globally Harmonized System (GHS), the REACH regulation of the European Union and the most known international textile standards

by engineering, in 2014, a forefront plant in terms of both automation and structure-design, matched by an advanced process monitoring system in which more than 40 different in-line process controls are performed

by constantly updating our formulas and the way to formulate inks, by eliminating, where practicable, the hazardous chemicals. This, often anticipating regulatory decisions

by acting on our purchase-chain to be sure about the production processes and the quality of our colorants suppliers

Today's innovation is tomorrow's tradition.
Performance requires experience and expertise. We work hard day-by-day, going deep into each digital printing process-step to maintain our high reliability standards



Digital Inks



The innovation which inspires our actions lets us conceive **high-tech digital printing machines** and design **water-based digital inks**, perfectly integrated with each other

Digital Textile printing technology allows:

to reduce energy consumptions: water-consumption may be reduced by 70% and the electric one by 30%, if compared to the traditional rotary printing

the simplification of drawings- and colorways-changing process, reducing the waste of paper and inks in the whole process

the responsible resources-consumption by using our high-performing printing solutions designed for on-demand production, reducing inventory obsolescence and space

manufacturing proximity. It is possible to produce fashion collections anywhere, thus manufacturing locally with the same printing results

Pre-treatment is always led off-line and it's an expensive and time-consuming process

We introduced the **new In-Line Fabric Pre-Treatment** at ITMA '19, making a new technical leap in the history of digital printing process. Our new vanguard-solution drastically reduces:

the set-up process that becomes one, halving the time

water and energy consumption thanks to the lean process and the usage of not-liquid but foamy chemicals

the chemical consumption generated from the process; thanks to the automatic dosage of the chemicals needed for the preparation, avoiding the waste

A solution offering transparency and absolute control of the "printing process stage" in the Textile production chain

Textile Printing Machines

The green choice

We are doing our part to avoid the risk of jeopardizing next-gen right to have a good life. It's your turn now to do your bit in the new industrial paradigm:

choose partners who have chosen our solutions to keep the "printing stage" under control

choose water-based inks

choose to reduce water consumption

choose a responsible production

choose to promote manufacturing proximity

choose digital printing

choose to be compliant with the most restrictive International regulations, directives and with the most well-respected textile standards



The Green Choice

Our Certifications

This is our level of
environmental friendliness

For our inks we have chosen
to comply with:

OEKOTEX-ECOPASSPORT

NIKE RSL

ADIDAS A01

ZHDC

OEKOTEX STD

GOTS

REACH

GHS

For our printing machines we
have chosen to comply with:

ACIMIT GREEN LABEL

ACIMIT "SUSTAINABLE
TECHNOLOGIES" PROJECT

EU LABELING/MARKING
REQUIREMENTS



MS Printing Solutions Srl
www.msitaly.com

JK GROUP SpA
www.j-k-group.com