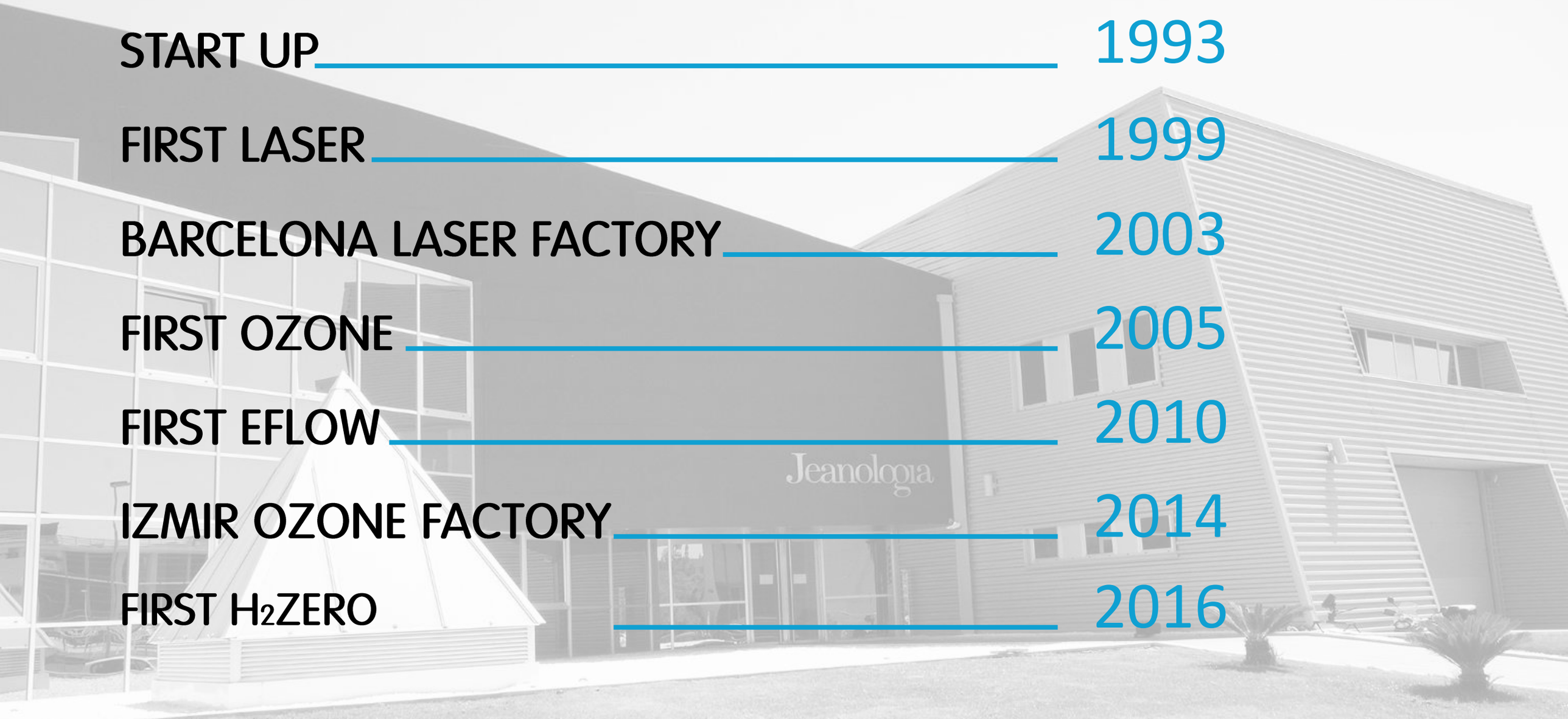
Jeanologia™

The Science of Finishing

A view to the future. Transforming the Jeans & outdoor industry

www.jeanologia.com



START UP	1993
FIRST LASER	1999
BARCELONA LASER FACTORY	2003
FIRST OZONE	2005
FIRST EFLOW	2010
IZMIR OZONE FACTORY	2014
FIRST H_2ZERO	2016

BUSINESS AS A FORCE FOR GOOD

Our mission is to create an ethical, sustainable and eco-efficient textile & apparel industry.

Partnering with our customers on their transformation journey, offering disruptive technologies and the best in service.

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FROM THIS…

Artisanal and intensive hand labour

The Key factors : artisans, craftsman knowledge and hand labour force

TO THIS…

Intensive in capital goods and design engineering

The Key factors: investment capacity in capital goods such as technology and automatism.

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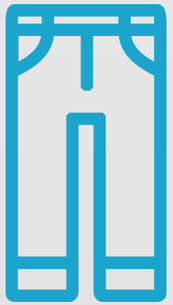
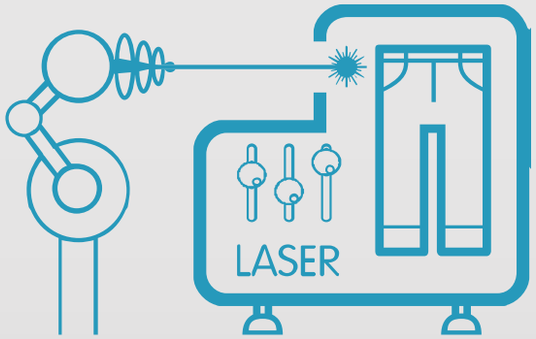
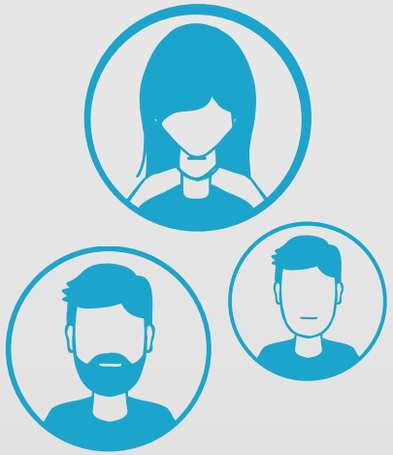


30%
Jeans
Of world production

10 MM m^3
Water
Saved/year



2000
Machines
In 60 countries



220
Jeanologist
22 nationalities

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laundry 5.zero

The Sustainable transformation

The first Jeans finishing plant that guarantees ZERØ ® contamination

How to make it possible?

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laundry 5.zero 5 TECHNOLOGIES

LASER

Jeanologia Flexi Pro
LASER

Sandblast
Handsand
PP Spray
Ginding

PRE-OZONIC

Jeanologia G2 Cube
ECO

Bleach
NPE
Water desizing
Backstaining

ZERO DISCHARGE

Jeanologia H₂ Zero
ECO

Waste Water

NANOBUBBLES

Jeanologia e-Flow
ECO

Chemical Waste

EIM software

EIM

TECHNOLOGIES - LASER

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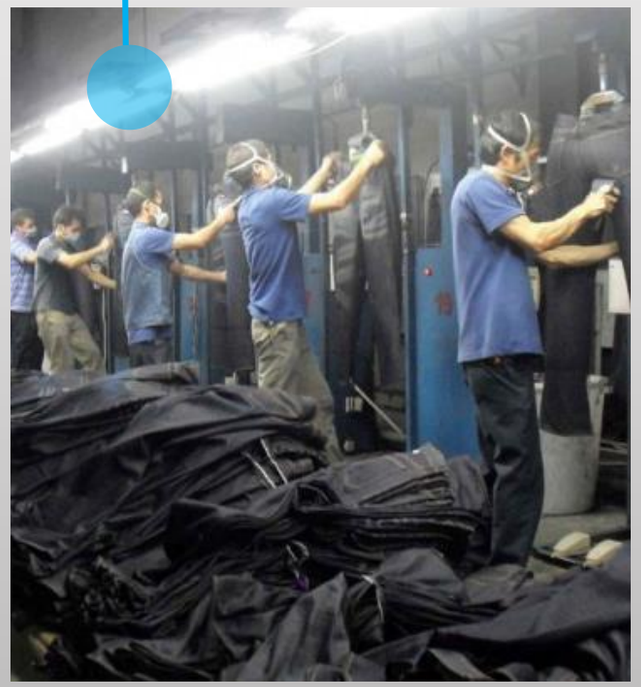
TRADITIONAL

- Sandblast
- Handsand
- PP Spray



TRANSFORMATION

NOW WITH TECHNOLOGY

LASER

Jeanologia
LASER

Initial Stage: **Jeanologia 1999**

Today: **25% GLOBAL PRODUCTION**

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TRADITIONAL

Wastes
Pollution
Social Risk…

TRANSFORMATION

OZONE

Initial Stage: **2005**

Today: **5% GLOBAL PRODUCTION**

NOW WITH TECHNOLOGY

Sustainability

EIM SCORE

19

0-33 LOW IMPACT

TECHNOLOGIES – EFLOW

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TRADITIONAL

Pollution
Wastes …

TRANSFORMATION

BUBBLES

"The new carrier"

Jeanologia ECO e-Flow

Initial Stage: **2012**

NOW WITH TECHNOLOGY

Efficiency

SAVINGS up to:

95%

50%

79%

Zero discharge Technology

Jeanologia™ H₂ Zero ECO

ZERØ means ZERØ.

VS

H2 Zero the intelligent recycling system able to Recycle 100% of the water used. Zero waste, 100% circular

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DIRTY WATER FROM WASHING MACHINES

CLEAN WATER TREATED WITH H2 ZERO

SUSTAINABLE PRODUCT – SUSTAINABLE FINISHING

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- Less water
- Less energy
- No Hazard chemicals
- No - effects on worker health

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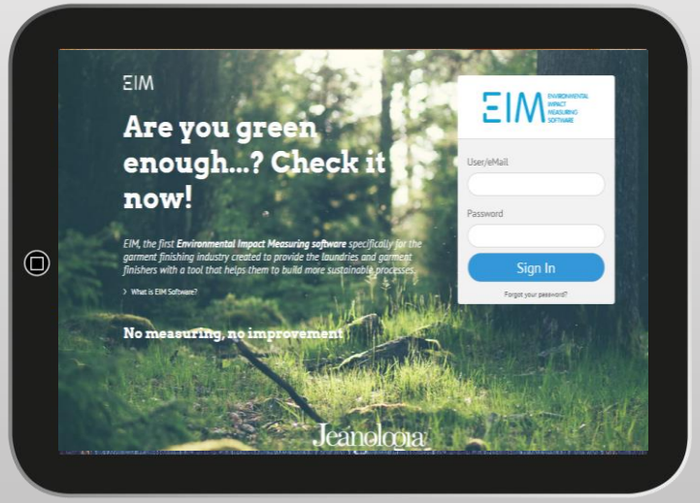
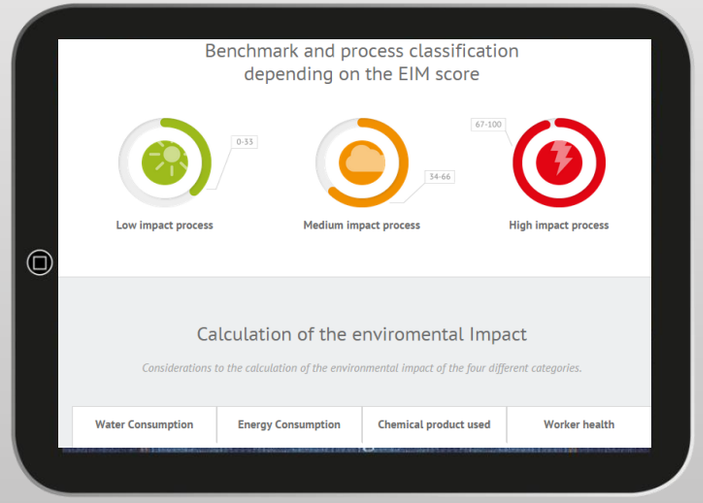
EIM ENVIRONMENTAL IMPACT MEASURING SOFTWARE

The first

Environmental Impact Measuring

software specific for the garment finishing industry.





Process Name	Water (l/Garment)	Energy (kwh/Garment)
CS-Initial Process	81.9	1.85
CS-Alternative 1	53	1.57
CS - Alternative 4	28.9	2.02
CS - Alternative 3	28.9	1.12
CS - Alternative 2	34.9	1.55

If there is no measurement, there is no improvement

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1 Assess the environmental impact in 4 individual categories:

2 Benchmark the results against a define Environmental Threshold

3 It classifies the Process depending On the EIM score

Water consumption		From 0 to 35 l/garment From 35 to 80 l/garment Above 80 l/garment
Energy consumption		From 0 to 1 Kw.h/garment From 1 to 2 Kw.h/garment Above 2 Kw.h/garment
Chemical product used		From 0 to 25 From 25,5 to 50 Above 50
Worker health		From 0 to 20 From 20,5 to 35 Above 35,5

0-33 LOW IMPACT

34-66 MEDIUM IMPACT

+66 HIGH IMPACT

EIM – HOW DOES IT WORKS

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ENVIRONMENTAL INFORMATION

75,5	Water Impact (L/Garment)
1,55	Energy Impact (KwH/Garment)
60	Chemical Impact (Garment)
53,5	Worker Impact (Garment)

65 EIM SCORE

GOAL

EIM SCORE

30

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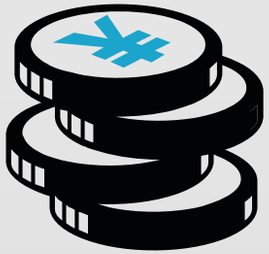
laundry 5.zero 5 BENEFITS

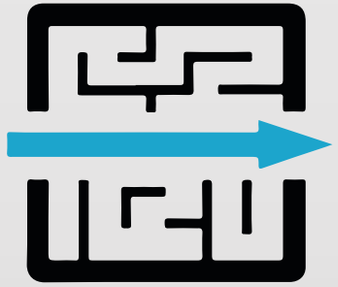


Cost Neutral

Massify sustainability

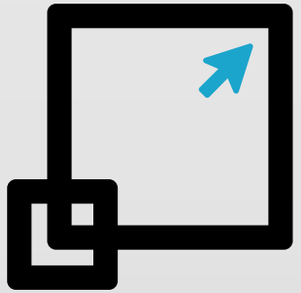
Sustainability

People and planet come first

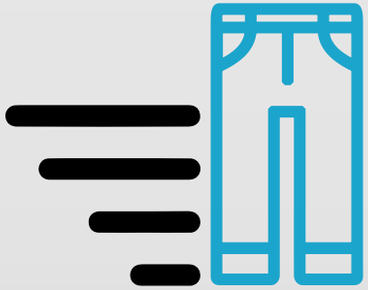


Simplicity

One Fabric Platform

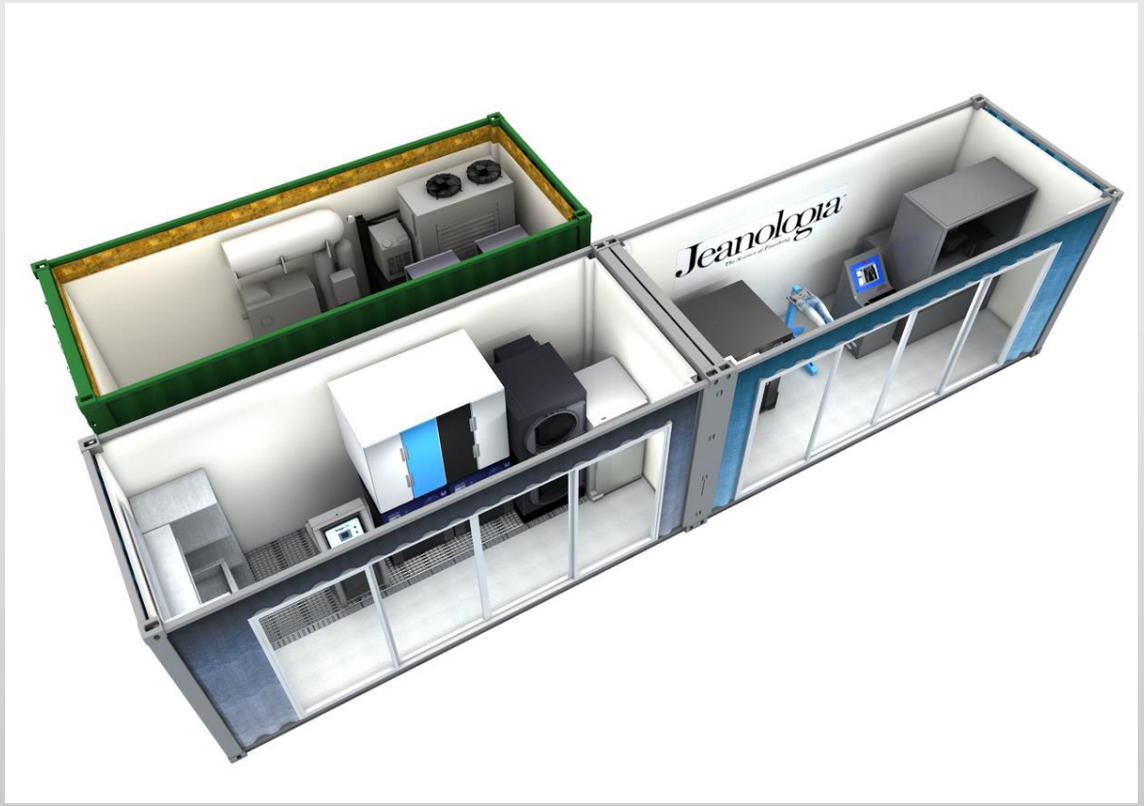


Scalability



Speed

Time to market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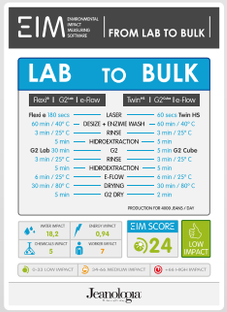
SAME RESULTS FROM LAB TO BULK IN ALL PRODUCTION CENTERS

BRAND Smart Lab

Laser , Ozone & Nanobubbles (Lab Machines)

1. Develop your samples



2. Get a recipe

. jean

e Mark

Production Centers around the world

Laser , Ozone & Nanobubbles (Production machines)

3. Send the recipe to your production centers

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Thank you!

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