

WE  REGGIANI

Il processo di stampa 'verde'

15th November 2013

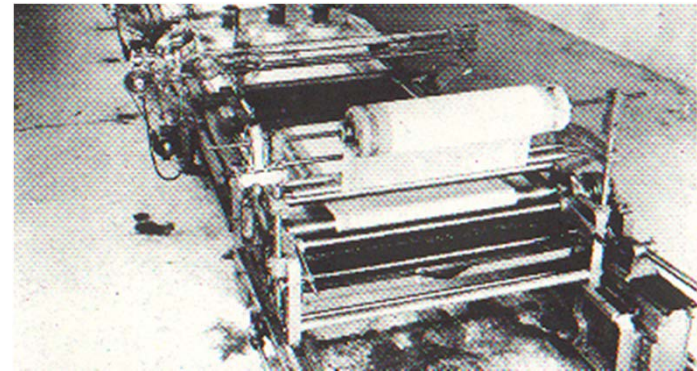
Company profile

LOCATION: Grassobbio (Bergamo – Italy)
SURFACE: 22,000sqm (16,000 covered)
BUSINESS LINE: Traditional printing machines
Digital printing machines
Pre-post treatment machines

- **180** employees:
60% hold a diploma or a degree
- More than **70** years of experience
- High level of investment in R&D: more than **8%*** of total revenues
*Average amount
- Around 80 mln € of revenues in 2013, **95%** export
- Commercial activities all around the world
- Reggiani Machine develops, manufactures and assembles entirely in Italy



REGGIANI MACCHINE'S FACILITIES IN GRASSOBBIO (BG) - ITALY



REGGIANI MACCHINE'S FIRST PRINTING MACHINE (1958)

Mission

Reggiani is a group of people.

A group of people with experience, skills, know how that give add value to technical and technological tailored solutions.

A group of people that can give answers to the exigencies of world-wide textile sector and others.



History of growth

1948

Conventional
Printing (manual)



1960

Rotary
and
Flat-Bed
Printing
Machine
(analogical)

2002

First
Digital Printer



2009

Digital Printing
Platform



2010

Birth of WE **R** REGGIANI Group



2013

Solution Provider



Solution Provider



REGGIANI Traditional Printing Machines

UNICA
Rotary



PRIMA
Flat-bed



REGGIANI Digital Printing Machines

NEW

RENOIR



fabric



paper

UV



We were textile digital printing suppliers, We  digital printing suppliers.

MEZZERA/JAEGGLI Textile Nobilization

**PRE and POST
TREATMENT**



DYEING



DENIM



Strategy

REGGIANI IS A SOLUTION PROVIDER



Research
Development
Quality
International expertise
100% made in Italy
Performances
Reliability
Full service

REGGIANI IS LEADER IN INNOVATION

Innovation: environmental sustainability

Reggiani develops
'Green processes'
in order to
reduce
consumption and
minimize
environmental
impact





New approach
that combine
quality and
production
efficiency with
environment
respect



In 2010
we undertook
a certification process
as commitment to our customers
in order to offer eco-sustainable
processes guaranteed by
“Green Label”



Green Label certification

- ACIMIT green label: a document which has the aim of photograph and highlight energy and environmental performances of textile machinery
- ACIMIT green label allows to identify which companies manufacture technological solution offering a lower environmental impact
- Every year a considerable number of companies is submitted to an inspection in order to guarantee machines with green label



Green Label certification

Process parameters

- Power: [kW]
- Water consumption : [Liters/kg processed material]
- Energy consumption: [kWh/kg processed material]
- Compressed air consumption: [Nm³/kg processed material]
- Acoustic emissions : [dB]
- Carbon Footprint (CFP): Kg of CO₂

The importance of: **Carbon Footprint**

The Carbon Footprint represents the amount of all gas emissions and it is measured in tons (or kilos) of carbon dioxide equivalent for a defined period of time (generally a year or the whole lifecycle) or mass unit of product



Certified machines

Reggiani 'Green' aim **became reality** achieving Green Label certification of:

- Post-treatment 'Concord'
- Dyeing machine 'Celsius'
- Digital printing machine 'ReNoir'

All products has been recently confirmed by a test

Celsius



Concord



ReNoir



Green label: Renoir Platform



SMALL
LOTS

FLEXIBILITY &
DESIGN, NO
COPIES!

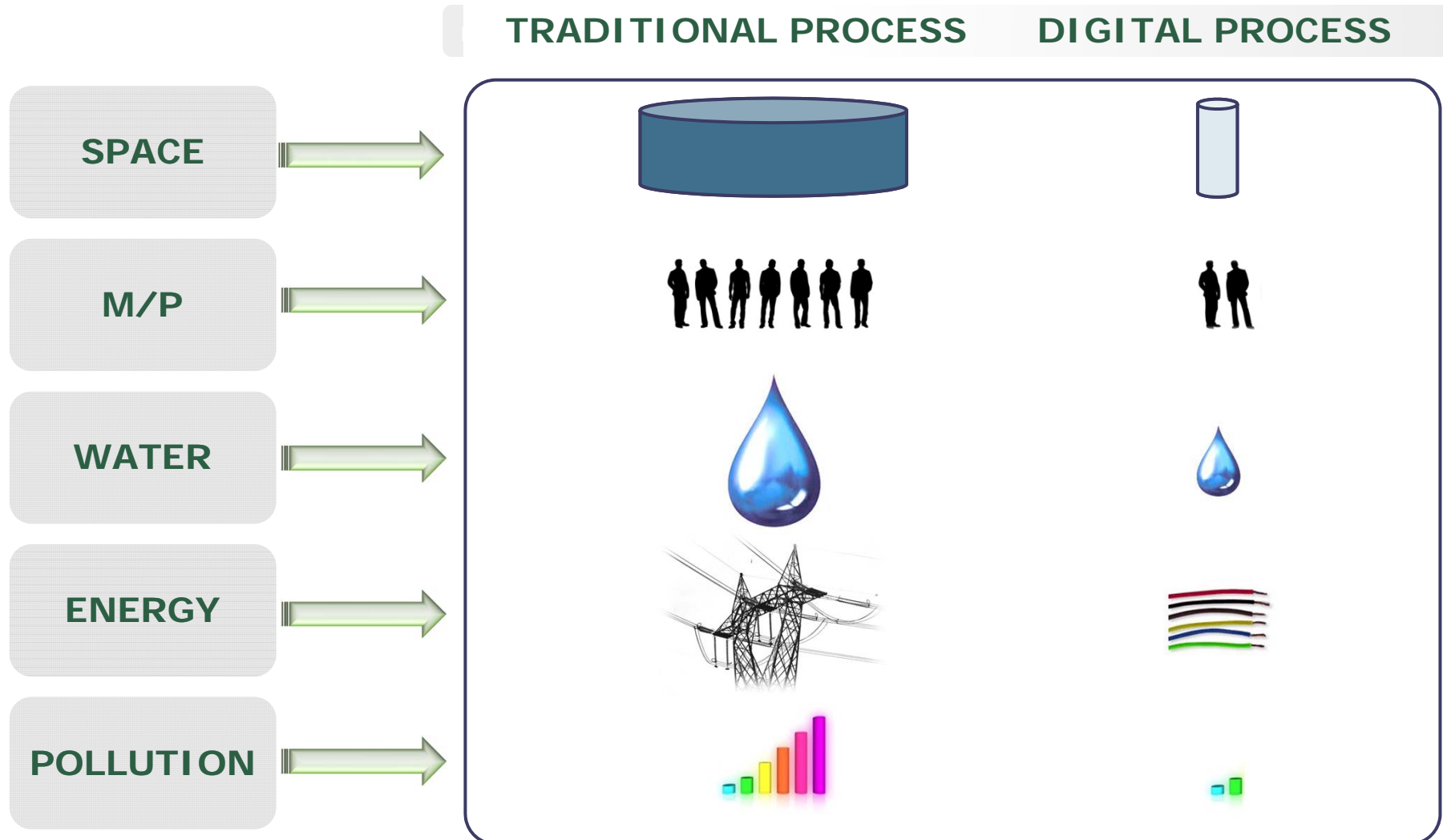
UNLIMITED
COLOR
GAMUT

UTILITIES
REDUCTION

SHORT TAT



Green, Greener, Greenest





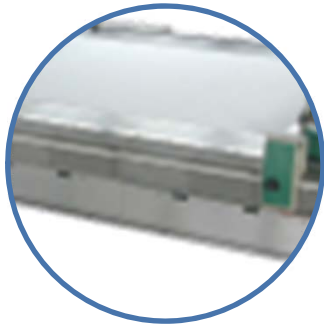
Reggiani respects the environment without compromising machine performances

- Savings on energy: up to 60%
- Savings on water: up to 80%
- Savings on inks: up to 90%
- Savings on color waste: up to 90%
- Reduced stock: up to 70%
- Recyclable Materials
- Improved sustainability

Drastic pollution reduction

Eco-sustainability: the future

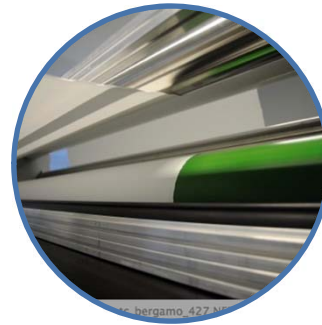
Continuous develop and test of productive systems with **lower environmental impact** in each segment of the supply chain of the Group



Reggiani
PRETREATMENT
Line



Reggiani
ReNOIR
Printer




Mezzera
STEAMER
Ager



Mezzera
CONCORD
Washing system



Thanks to “green” products, Reggiani is
a worldwide reference brand



Headquarter & Production:
Grassobbio (Italy)

Distribution network: more
than 120 countries

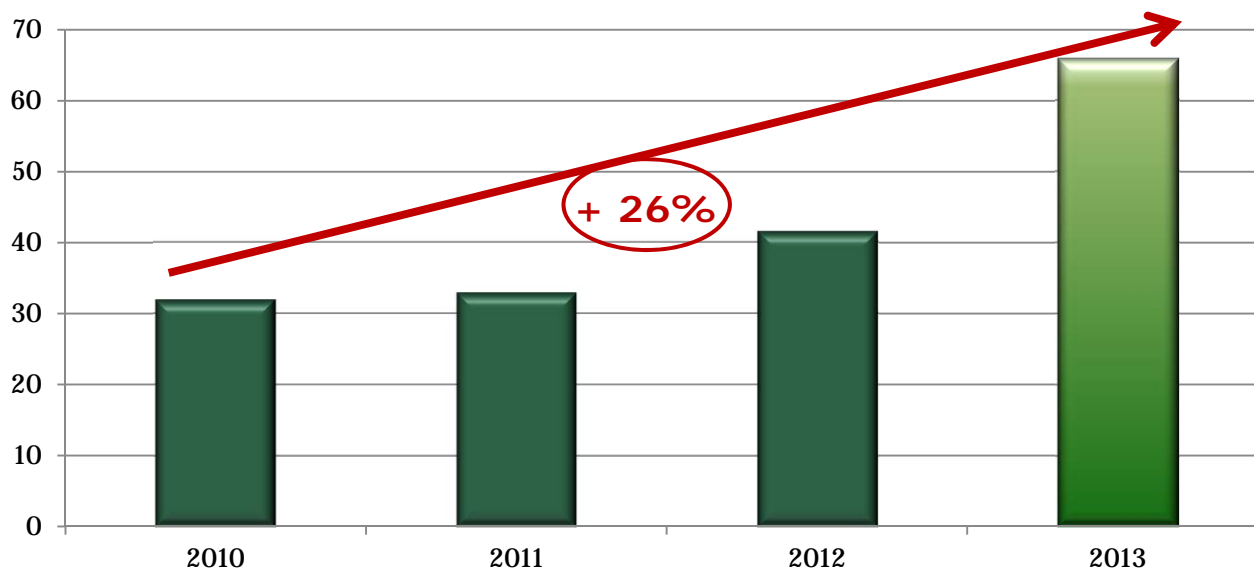
Agents: in more than 40
countries

Eco-sustainability: winning strategy

Market has rewarded not only **productive efficiency** but also **sustainability**:

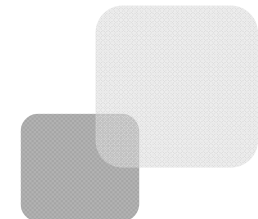
- modern markets require an increasing focus on 'green' issues
- emerging economies now demand productive plants with lower environmental impact
- Reggiani became a main player in Europe: high quality technical textile

MIn €



Reggiani constantly increases human resources:

- recruited 20 people in 15 months



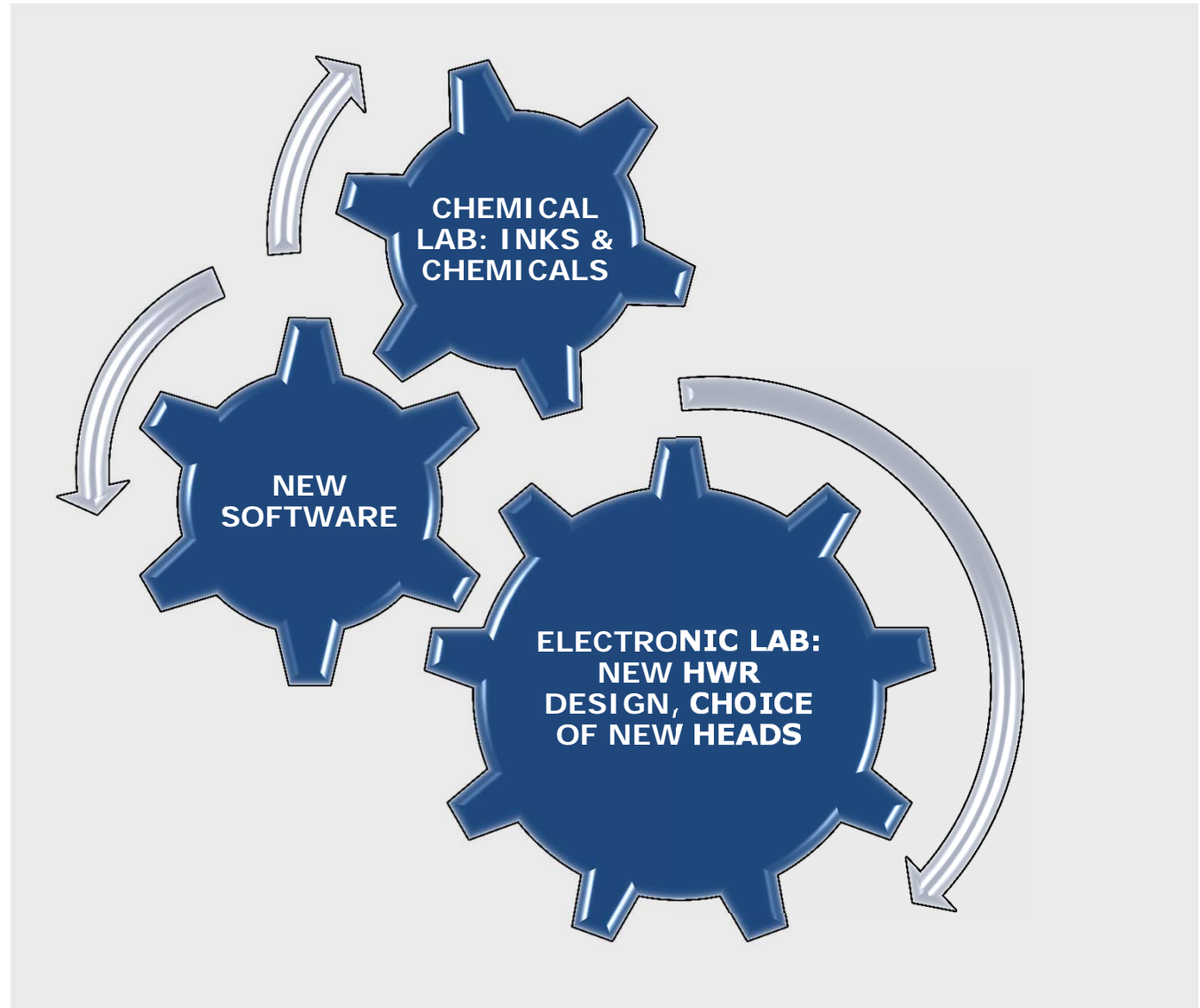
**NEXT
TECHNOLOGY,
PRATO, IT**

**IT STRATEGIES,
USA**

UNIVERSITIES

- GENT, BE
- BERGAMO, IT
- TEXTILE PHILADELPHIA, USA
- ISUCHT, RUSSIA
- CENTRO SERICO, IT
- BOCCONI, IT
- UNIVERSITA' DI FIRENZE, IT

**EUROPEAN
PROJECTS**





DIGItal finishing with High Speed Ink-Jet technology,
significantly improving sustainability, flexibility and economic
performance of the textile FINishing industry - (DIGIFIN)

Project name: DIGIFIN
Sector: Greening Textile Business
Duration: 2012 – 2015
Coordinator: TEN CATE (NL)
Partner: REGGIANI MACCHINE (IT)



Thank you!

WE  REGGIANI



REGGIANI MACCHINE, S.p.A.

24050 Grassobbio

(Bergamo - ITALY)

Via Zanica, 17/O

P.O.Box 41

Tel.: +39 035 3844511

Fax: +39 035 526952

E-mail: info@weareggiani.com

www.weareggiani.com