

# RECP Best Practices Catalogue

*Procurement of micro-nano bubbles washing machines*

*Developed within the framework of MED TEST II*



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is  
funded by the European Union

# Best Practice - Procurement of micro-nano bubbles washing machines

SECTOR:	Technology upgrade/Eco-innovation
Branch:	Finishing of textiles
CATEGORY	Technology upgrade/Eco-innovation
APPLICABILITY	Process

COMPANY SIZE	1045
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## Description of the Problem (Base Scenario):

Conventional washing of jeans items consumes on average from 40 to 55 litres of water and requires the use of several chemicals and textile auxiliaries. This new technology has revolutionised the jeans washing principle.

## Description of the Solution

The micro-nano bubbles equipped washing and dyeing machine developed in the last few years enables to save up to 95% of water compared to the conventional process and to reduce chemicals by 50% and energy consumption by 40%



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**Economic Gains**      Economic gain: € 136,612

**Environmental Gains**      Water: 28,532 m<sup>3</sup>  
Energy: 55,951 KWh

**Health and Safety Impact**      Productivity enhancement



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**Capital Investments & Financial Indicators**      € 130,435  
Time for Return on Investment: 1 year

**Supplier Information**      Imported

## Other aspects

**Implementation**      Measure carried out: data collection for benchmarking is currently underway



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