

# RECP Best Practices Catalogue

*Procurement of a laser engraving workshop with  
an efficient software*

*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 a laser engraving workshop with an efficient software

SECTOR:	Textile & Readymade Garments
Branch:	Finishing of textiles
CATEGORY	Technology upgrade/Eco-innovation
APPLICABILITY	Process
COMPANY SIZE	94



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## Description of the Problem (Base Scenario):

Given the fairly high rework rate at the company (estimated at 300 000 items in 2015) which represents 13% of total production and that the main cause is engraving defects, it is recommended to replace the stock of engraving machines with UV engraving or to switch to laser engraving

## Description of the Solution

Procurement of a laser engraving workshop with an efficient software



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**Economic Gains**      Economic gain: € 41,078

**Environmental Gains**      Chemicals: 7.1 tons  
Energy: 120 MWh

**Health and Safety Impact**      Productivity enhancement  
Decrease of non-prime rate



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**Capital Investments & Financial Indicators**      € 69,565  
Time for Return on Investment: 1.7 year

**Supplier Information**      Imported

**Other aspects**

**Implementation**      Measure under development



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