

# RECP Best Practices Catalogue

*Installation of a thermoforming yoghurt filling machine*

*Developed within the framework of MED TEST II*



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is  
funded by the European Union

# Best Practice - Installation of a thermoforming yoghurt filling machine

<b>SECTOR:</b>	<b>Food &amp; Beverage</b>
<b>BRANCH:</b>	Manufacture of dairy products
<b>CATEGORY</b>	Process control or modification
<b>APPLICABILITY</b>	Process
<b>COMPANY SIZE</b>	100 full-time employees



The SwitchMed Programme is funded by the European Union

# Best Practice - Installation of a thermoforming yoghurt filling machine

**Description of the Problem (Base Scenario):** The rate of loss of packaging and product for packaging machines is significant as it is fed with prefabricated pots that frequently have defects.

**Description of the Solution** The action involves the acquisition of a new thermoforming packaging machine



The SwitchMed Programme is funded by the European Union

# Best Practice - Installation of a thermoforming yoghurt filling machine

<b>Economic Gains</b>	Total economic gain: € 60,000/year
<b>Environmental Gains</b>	Water gain: - Energy gain: - Material gain: 1 ton/year, in packaging (0.3%); 18 tons/year in product (0.24%) Pollution reduction: 0.7 BOD5/year (0.24%), 1.5 tons/year COD (0.25%); 1 ton/year in solid waste (12.5%)
<b>Quality and Safety Impact</b>	Better control of the sanitary quality of the product



The SwitchMed Programme is funded by the European Union

# Best Practice - Installation of a thermoforming yoghurt filling machine

<b>Capital Investments &amp; Financial Indicators</b>	Investment € 600,000 Time for Return on Investment: 10 years
<b>Supplier Information</b>	Imported – Dairy equipment manufacturers
<b>Other Aspects</b>	Better control of goods changes
<b>Implementation</b>	Carried out



The SwitchMed Programme is funded by the European Union