RECP Best Practice Catalogue

Improved CAD cutting

Developed within the framework of MED TEST II

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

switchmed

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SECTOR:	**Textile & Readymade Garments**
SUBSECTOR:	Manufacture of wearing apparel, except fur apparel
PRODUCTS	Jeans products
CATEGORY	Technology upgrade/Eco-innovation
APPLICABILITY	Process

COMPANY NAME	---
COMPANY SIZE	Large

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Description of the problem (Base scenario):	The company has some computer aided marker development which still relies on manual input. This setup leads to a potential of unoptimized patron arrangement for cutting, and possiblity of increase in the left overs from the cloth. The current loss level from the baseline setup is around 15%, 70% of which is lost during the cutting process.
Description of the solution	At present advanced (automated) computerised marker development have been developed which claim to save material cost and time. By improving the computerization of the marker development the reduction of material waste can be established, leading to 2% increase in raw material utilization.

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Economic Benefits	Savings are 2% reduction in solid waste generated from left over cloth, this is equivalent to 16,620 m of cloth (7 tons of cloth) with a cost saving of 29,100 Euro
Environmental Benefits	Reduction of solid waste generation by 16,620 m of cloth (7 tons of solid waste)
Health and safety impact	None

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Capital investments & financial indicators	Investment is around 25,000 Euro. Payback is estimated as 0.86 years.
Suppliers	Several suppliers are available in the market
Other aspects	None
Implementation	This measure is retained for study, the company is contacting their original software supplier to propose for an upgrade.

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Replicability sectors	ready made garments
Aspects to investigate for replicability	Existing marker development procedure Monthly/annual production levels Waste levels
Useful resources	