Fameccanica **Life+** Newsletter

Life+ Newsletter ● Issue 6 ● January 2015

New Notice Board released

On December 2014, the updated Life+ Glueless Notice Board has been released and displayed in Fameccanica key areas and laboratories.

The notice board is required by the EU commission as a project deliverable and has the aim to convey the essence of a specific LIFE project action, in this case, the Fameccanica ongoing project for environmental impact reduction in Absorbent Hygiene Products manufacturing.

The new Notice Board displayed at entrance of Fameccanica Technical Department

Kick-off of LCA activities at University of Manchester started on time in December. 2014.

MANCHESTER 1824
The University of Manchester

One of the key steps of the Fameccanica Life+ Glueless Project is the validation of environmental impact by means of Life Cycle Assessment (LCA).

This action will be carried out by the University of Manchester (UNIMAN), using the CCaLC tool. The staff of experts at UNIMAN to carry out this crucial tasks, will be led by Professor Adisa Azapagic, Professor of Sustainable Chemical Engineering.

According to the initial schedule, these activities were scheduled on Month 18 from the project start. On December 10, 2014 the Fameccanica team, led by Mr. Francesco D'Aponte, Technical Director at Fameccanica.Data, and the UNIMAN team, led by Professor Adisa Azapagic, officially started the activities in a dedicated session at the University of Manchester. At the meeting there was also Mr. Diego Gualtieri (Glueless Technical Project leader at Fameccanica), Mr. Valerio Valenti (Glueless Finance controller at Fameccanica), Ms. Simona Andreea Popa (Life Cycle Analysys Research Assistant at Uniman).

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Mr. Francesco D'Aponte, Ms. Adisa Azapagic, Ms. Simona Andreea Popa, Mr. Valerio Valenti, Mr. Diego Gualieri during the kick-off event at University of Manchester on December 10th, 2014

GLUELESS ADL test stand

GLUELESS™ application of ADL: process validation at target speed

After the activation of the new ADL test stand, the Fameccanica Team successfully completed the validation of GLUELESS ADL application at the target speed of 1000 pieces/min.

The test proved that the application is stable in terms of respect of tolerances and reliable in terms of process.

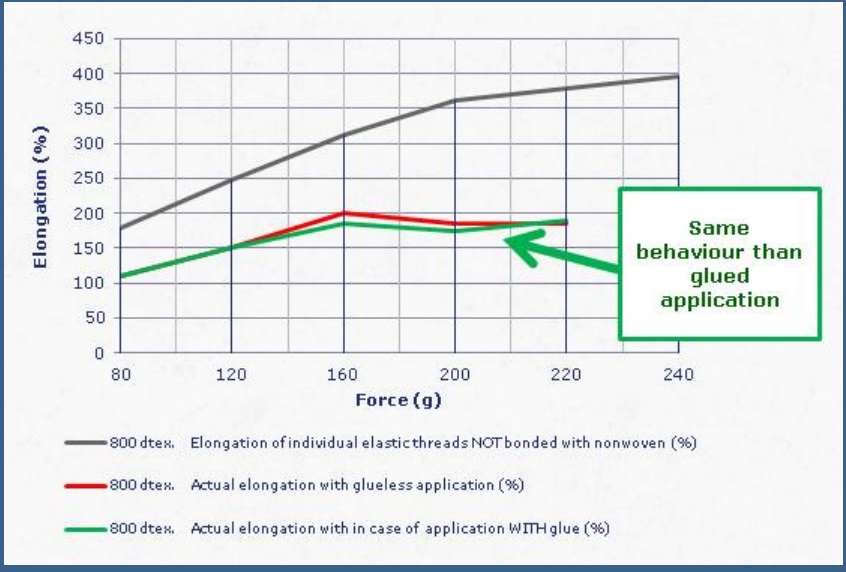
The test will then continue with collateral activities of sealing pattern optimization.

GLUELESS ADL samples displayed after the tests

GLUELESS™ Elastics application: Product performances initial test results

Samples of the final diaper element assembly with glueless Elastics have been subject to product performance tests relevant to tension-elongation behaviour.

Tests gave positive results as the comparative tests of product performance vs. traditional technologies shows that the GLUELESS™ solution offers equivalent results in terms of tension-elongation of the final diaper element assembly.



Present charts shows tension-elongation comparison of behaviour of GLUELESS™ Elastics application vs. traditional Elastics application with glue.

Kick-off of LCA activities at University of Manchester

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LCA is a commonly used tool to quantify environmental sustainability and will span the whole value chain. The LCA will be performed using state of the art software and modeling. In fact, UNIMAN has developed an award winning high-level software for Life Cycle Analysis, called CCaLC LCA tool (http://www.ccalc.org.uk/software.php).

CCaLC is a carbon footprinting tool that enables quick and easy estimations of the life cycle greenhouse gas emissions along the whole supply chains. The methodological approach follows the internationally accepted life cycle methodology as defined by ISO 14044 and PAS2050.

Fameccanica will support UNIMAN in the definition of parameters for environmental evaluation and LCA, and in the generation of data from tests and trials.