



Welcome to the fourth LIFE ALL-IN newsletter that will keep you informed about the evolution of this innovative project, conceived to **drastically reduce the environmental impact of the hygienic products sector.**

Recently, Fameccanica, coordinator of the LIFE ALL-IN project, has validated an important milestone: **the elastic extrusion process into the AHPs machine**, that will avoid the use of pre-made elastics filaments and thus improving machine efficiency.

Discover ARIEL

ARIEL, the NW corrugation process has been implemented in a strategy in 2 steps:

1. **Validation of the NW corrugation process**, called ARIEL. This process is realized in the correct width necessary for the in-line creation of elastic waist band for both for adult and baby pant diapers
2. **Validation of the in-line extrusion on Ariel waist band**. This step makes possible to validate the process and product with in-line extruded elastics



Focus on process & test

Fameccanica realized the complete validation of the process at **300 m/min**.

The activities done are the following:

- Definition of the best layout for the process
- Definition of the best setting
- Definition of the reference product quality
- Made the long run for process stability validation
- Made splice test and stress test to simulate in-line production

After defining the best extruder system Fameccanica worked on layout and technology to crystallize the elastic filament before stretching them.

At final, Fameccanica obtained **the final configuration for the long run**.

Conclusion

Fameccanica validated Ariel and the in-line elastic extrusion in narrow band.

The combination of the two process allows Fameccanica to design the final process and to propose it to customers.

**CURIOUS ABOUT ARIEL?
CONTACT US!**

LIFE ALL-IN project next steps?

What's next?

The next LIFE ALL-IN important milestone is the validation of the process for the in line production of acquisition and distribution layer of our Multilayer fluffless core. Progresses are going well and you should hear about it in the coming months!

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LIFE programme is the EU's funding instrument for the environment and climate action created in 1992. For the period 2014-2020 the LIFE programme has a budget of more than €3 billion at European level, divided into two separate sub-programmes: the "Environment" sub-programme and the "Climate Actions" sub-programme.

The European Commission manages the LIFE programme through its services Directorate-General for Environment and Directorate-General for Climate Action, and its Executive Agency for Small and Medium-sized Enterprises (EASME).

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