NOVAMONT PRESS RELEASE

K 2016: UNRIVALLED TECHNICAL AND ENVIRONMENTAL PERFORMANCE FOR BIOPLASTIC SACKS AND SHOPPING BAGS THANKS TO THE NEW POLYREMA STRETCH SYSTEM COMBINED WITH THE NEW GRADES OF 4TH GENERATION MATER-BI

During K 2016, at the open house to be held at its plant in Troisdorf, Reifenhäuser Blown Film Polyrema will present the innovative cold stretch technology developed to improve the performance of film produced with the new grades of 4th generation MATER-BI

Novara – Düsseldorf, 19 October 2016 – New and highly competitive market opportunities for shopping bags, fruit & veg bags and waste bags, thanks to the partnership between Novamont and Reifenhäuser Blown Film Polyrema, the leading group in the production of blown and cast film extrusion lines, with a workforce numbering 1500 and a worldwide sales organisation.
Polyrema has perfected an innovative and patentedstretching system named Ultra Flat Plus which, combined with the improved mechanical and environmental performance of the new grades of 4th generation MATER-BI, makes it possible to produce a bioplastic film of unrivalled performance.

The new grades of the 4th generation of the MATER-BI bioplastics family integrate the two consolidated technologies of complex starches and vegetable oil polyesters with that of azelaic and pelargonic acid intermediates and that of sugars fermented to produce butanediol. Characterised by an even higher content of renewable raw materials, and lower levels of greenhouse gas emissions and dependency on feedstock of fossil origin, the new materials are ideal for a vast range of applications, including flexible and rigid film, coatings, moulding, extrusion and thermoforming.

The MATER-BI family of bioplastics optimises the use of resources and minimises the environmental risks at their end of their life cycle, satisfying the following requirements:

- C14 renewability percentage greater than 50%;
- cradle to grave greenhouse gas emissions per kilo of product at least 54% less than traditional plastics;
- recyclability according to the standards of the national recycling consortia;

- compliance with marine biodegradation standards;
- composting biodegradability according to EN 13432;
- use of sustainable biomass for its production.

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The Novamont Group is world leader in the development and production of bioplastics and biochemicals through the integration of chemistry, the environment and agriculture. With 600 employees, the Group posted sales of €170 million in 2015 and made continuous investments in research and development activities (6.4% of its 2015 turnover, 20% of its staff) and has a portfolio of around 1,000 patents. The group has its headquarters in Novara, a production facility in Terni and research laboratories in Novara, Terni and Piana di Monte Verna (CE). The Novamont subsidiaries are based in Porto Torres (SS), Bottrighe (RO), Terni and Patrica (FR). Active in Germany, France and the United States through commercial offices and a representative office in Brussels (Belgium), Novamont operates through own distributors in Benelux, Scandinavia, Denmark, the United Kingdom, China, Japan, Canada, Australia and New Zealand.

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