

## **Show preview NPE 2024**

**Winterthur, Switzerland, 19 March 2024 - At the upcoming NPE show, 6 to 10 May in Orlando, Florida, Promix Solutions will present various solutions for mixing, foaming and cooling for the plastics industry. The focus is on saving raw material costs, reducing the carbon footprint, increasing production capacity and monitoring production quality. At the NPE, Promix can be found in the West Hall, level 2, booth 4649.**

### **Microcell Technology saves raw material costs and protects the environment**

In plastics processing, materials account for 80% of the CO<sub>2</sub> footprint and this is exactly where Promix Solutions steps in. The Promix Microcell Technology creates a microcellular foam structure in the polymer by adding environmentally friendly atmospheric gases (N<sub>2</sub> and CO<sub>2</sub>). This reduces the product weight by 20-50 %, leading to significant raw material savings. This not only reduces production costs, but also helps to protect the environment.

The Promix Microcell Technology is suitable for packaging films, sheets, foam core and corrugated pipes, as well as profiles, cable sheathing, blow molding and blown films. Promix will exhibit relevant key components at the NPE and will provide information on possibilities within specific fields of application. In the meantime, more than 300 industrial references are in operation and various machine manufacturers are successfully integrating the technology into their lines. The Microcell Technology can be used for almost all raw materials. The technology is available for new extrusion lines and as a retrofit solution for existing lines.

### **The smart way to monitor raw material quality and process control**

The increased use of recycled material and raw materials from different sources makes it more and more challenging to keep extrusion processes under control. The "Visco-P" inline viscometer from Promix Solutions is helpful in two ways. Firstly, the installed mixer module homogenizes the polymer melt and secondly, it measures the actual viscosity under processing conditions and in real time, directly in the melt stream. There is no bypass and no material loss.

Trend evaluations and reporting tools allow recording of the measurement results with statistical evaluation. User-selectable upper and lower limits for the viscosity trigger an alarm and show the operator current deviations from the target value, allowing corrective measures to ensure a high quality level.

The Visco-P is compatible with all common extruder designs and can be retrofitted to existing lines. It can be used for almost all polymers and is very easy to operate.

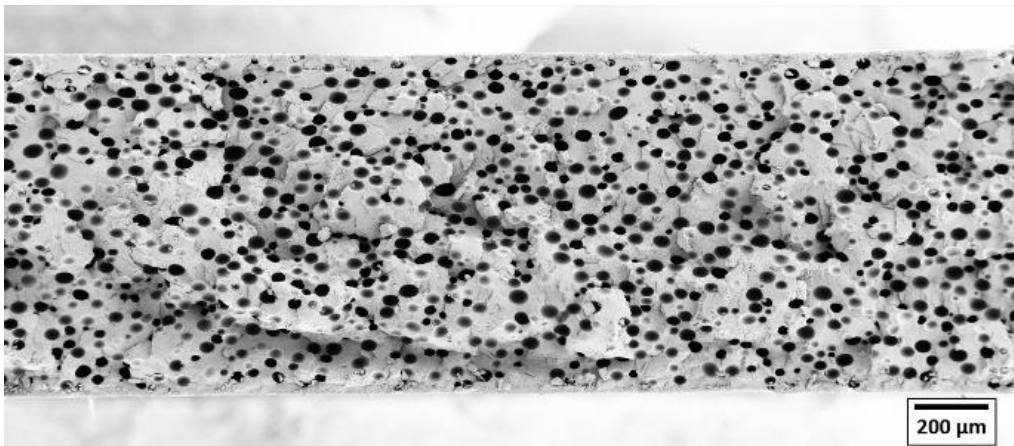
### **About Promix Solutions AG**

Promix Solutions AG is the leading supplier of unique key components and solutions in the area of mixing, foaming and cooling in plastics processing and polymer production. Promix serves the industry with effective solutions for the reduction of the environmental footprint, cost savings and quality improvements in extrusion and injection molding. A motivated team with long standing experience and extensive process and application know-how ensures excellent consultancy and service. The product portfolio includes Foam Extrusion Systems, CO<sub>2</sub>/N<sub>2</sub> Gas Dosing Stations, nucleation additives, Key Components for the production of Light Foams, Mixing Nozzles, Melt Blenders, Melt Coolers and Inline-Viscosity Measurement Systems. For more information:

[www.promix-solutions.com](http://www.promix-solutions.com).

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### **Images**



***Photo caption***

*Foamed sheet with Promix Microcell Technology.*



**Photo caption**

*Promix Microcell Technology on an extrusion line for packaging films.*



**Photo caption**

*The inline viscometer "Visco P" measures the actual viscosity under processing conditions and in real time*

*(All images: Promix Solutions AG)*

**Note for editors (not for publication)**

For more information or requesting images in high resolution, please contact:

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