

## Company profile:

On July 10<sup>th</sup>, 2008, Bayer MaterialScience AG and Michel Baulé SA merged their respective cast elastomers businesses into a Joint Venture named BAULÉ, headquartered in Romans, France. The U.S. entity is BAULÉ USA, now headquartered in Pittsburgh, Pennsylvania. The new BAULÉ Joint Venture combines the comprehensive and unique polyurethane cast elastomers know-how of Bayer MaterialScience with the long-term experience and extensive processing knowledge of BAULÉ. Today the company offers a unique blend of skills combining cast polyurethane system formulations and state-of-the-art dispensing equipment.

## **SYSTEM HIGHLIGHTS**

*Baulé offers a full line of cast elastomer systems including:*

- **Conventional TDI and MDI Prepolymers**
- **Low-free TDI Prepolymers**
- **Prepolymers based on Polyesters, Polyethers, and Polycaprolactones**
- **Quasi Prepolymer Systems**
- **Ribbon Coating Systems**
- **Cold Cast Systems**

In addition to the classical elastomer formulations, BAULÉ has enhanced their portfolio with two innovative prepolymer systems:

- **Baytec MAX:** Amine cross-linked prepolymers  
Baulé markets a new technology based on amine-cross-linked MDI prepolymers, marketed under the brand name Baytec® MAX. These TDI-free systems are easy to process and are also available as MOCA-free systems.
- **Stable NDI:** storage-stable NDI prepolymers  
These storage-stable NDI prepolymers can be processed similar to hot-cast TDI and MDI prepolymers on conventional low-pressure equipment. Elastomers produced with this new technology show excellent mechanical, dynamic, and shear properties. A paper on these unique prepolymers is featured at this year's PMA Conference: **Storage-stable NDI Prepolymers: Elastomers with Superior Mechanical & Dynamic load-bearing characteristics**

## **MACHINE HIGHLIGHTS**

Thanks to global expertise, BAULÉ offers to the cast PU industry tailor-made solutions based on: strong in-house skills in mechanical design, automation, programming and cast PU processing. This expertise makes projects easier to manage and more cost effective for customers.

- **3-component Compact machine :** the ultimate tool for flexible cast polyurethane production

BAULÉ developed an all-in-one cast polyurethane solution: combined with their proven quasi-MDI technology, the BAULÉ 3-component Compact machine (C3L) is the most state-of-the-art, cost-effective, and flexible tool for polyurethane elastomer production. The quasi-MDI systems enable the production of several different hardness elastomers with the same three components just by adjusting the mixing ratios. The C3L machine offers the possibility to degas, heat, meter and mix any three component system with a throughput reaching 10 kg/min.