



ENERGY EFFICIENCY



PRECISION



DIGITALIZATION

Intelligent and energy-efficient drive solutions for plastics machines

**Greater productivity, lower energy consumption, maximum precision  
for injection molding, extrusion, and blow molding processes**



### Injection Molding Machines

A core component of Baumüller's various system solutions is servo-hydraulic, hybrid, and all-electric injection molding machines. The drive systems, which offer optional energy recovery, can be optimally tailored to the machine's requirements. Short-term peak power demands on individual drives no longer necessarily have to be met from the mains. Through intelligent energy sharing, power can be distributed within the DC link network, thereby increasing the system's efficiency.

**▶ Precision plastic parts in record time:**  
A dynamic and compact drive system for  
Dr. BOY injection molding machines



# PLASTICS

Your technology partner for the plastics industry

Dynamic and precise application solutions from a single source

Sustainable, innovative and customized drive solutions for plastics machines,  
as individual components or complete systems.

**BE IN MOTION**



**Reference Bemaco:**  
Blow-molding machine with fully electric clamping unit



## Energy-Efficient Blow Molding Machines

With a variety of topologies for hybrid or fully electric machines, Baumüller optimally harnesses energy-saving potential depending on the application. The intelligent servo pump solution increases the efficiency of hydraulic machines. Electrifying additional axes using an electrical intermediate circuit network for smart energy sharing creates further savings opportunities for hybrid and fully electric machines. Water-cooled motors and inverters also stand out for their compact design and rapid heat dissipation.



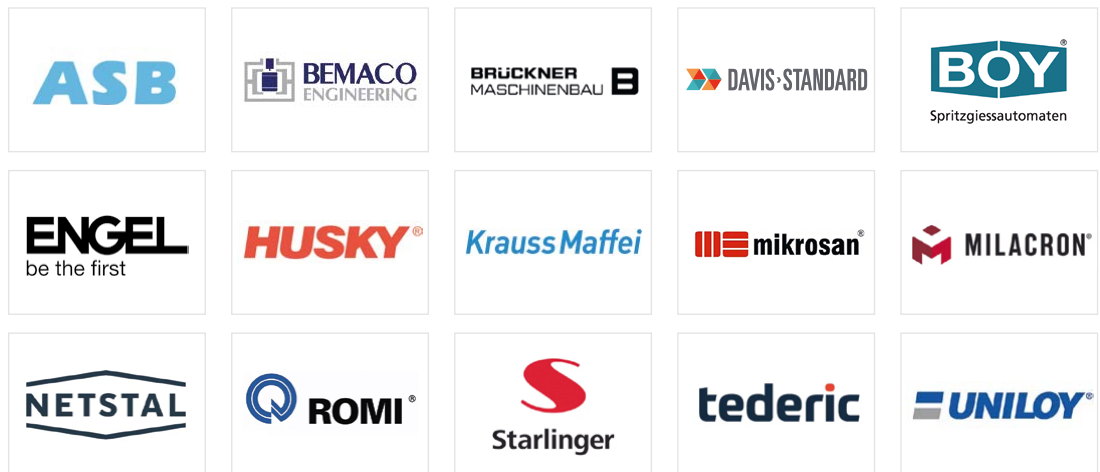
**Reference Mikrosan:**  
Protective function „Shock Detection“ for extruder machines



## Intelligent Features for Extruder Machines

Efficient synchronous drive technology and intelligent servo controllers meet the demands of modern extruder machines. The drive-integrated control functions provide the decisive added value for optimized cost-effectiveness, performance, and machine availability. For example, drive-integrated energy monitoring uses software to determine the energy consumption of the axes, allowing potential savings to be realized. Various protective functions, such as *Shock Detection* or the screw relaxation function, protect the extruder's sensitive mechanics from damage and prevent machine downtime.

These customers and many others around the world rely on Baumüller



### Additional information

**Website:** Intelligent and energy-efficient drive solutions for plastics machines



**Baumüller Insights:** Save energy with energy-efficient plasticizing drives



### Interested in our system?

Scan the QR code and contact us now.  
<https://www.baumueller.com/en/contact>

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