

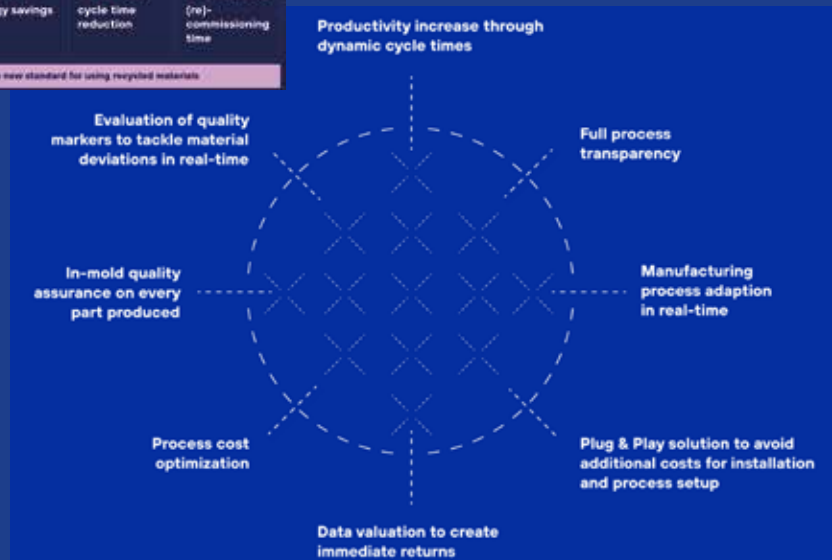
Turning data into quality



Benefits of sensXPERT®

- Up to **50%** of existing scrap reduction
- Up to **23%** energy savings
- Up to **30%** cycle time reduction
- Reduce** (re)-commissioning time

PLUS setting a new standard for using recycled materials



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Company

As a global industry expert, NETZSCH has been active in plastic material science and sensor technology for over 50 years.

sensXPERT is a data-driven manufacturing solution for the plastics industry that enhances productivity in real-time. Sensors measure and stream machine data that allows an AI-based answer to characterize materials dynamically and control all necessary influencing factors to optimize the molding process.

Products and technologies sensXPERT Digital Mold

- In-house manufactured in-mold DEA sensors to measure and calculate diverse material parameters
- An edge device to evaluate machine and material data for automated data analytics to optimize part production, to increase overall equipment efficiency in real-time, thus allowing for a traceable, sustainable manufacturing
- A web application that delivers real-time predictions on the running part processing and displays material behavior. It notifies the controller on how to adapt the process for optimal efficiency.
- A cloud service, that allows to create customizable dashboards, to track trends using the parameters most important to you

Strengths

The key benefits

Real-time process cycle optimization

In-mold process control

Full tracking/traceability for every part produced

Up to 50 % scrap reduction & 23 % energy cost savings

Optimized use of human-based resources

Target clients

- Plastics manufacturers (OEM, Tier 1, Tier 2)
- Composite Manufacturers (OEM, Tier 1, Tier 2)
- Industries: Automotive, Aviation, Electronic Encapsulation, Building and Construction, Renewable Energy