Breaking the mold

Find out how you can make the most out of the 'new possible' for the plastics manufacturing industry
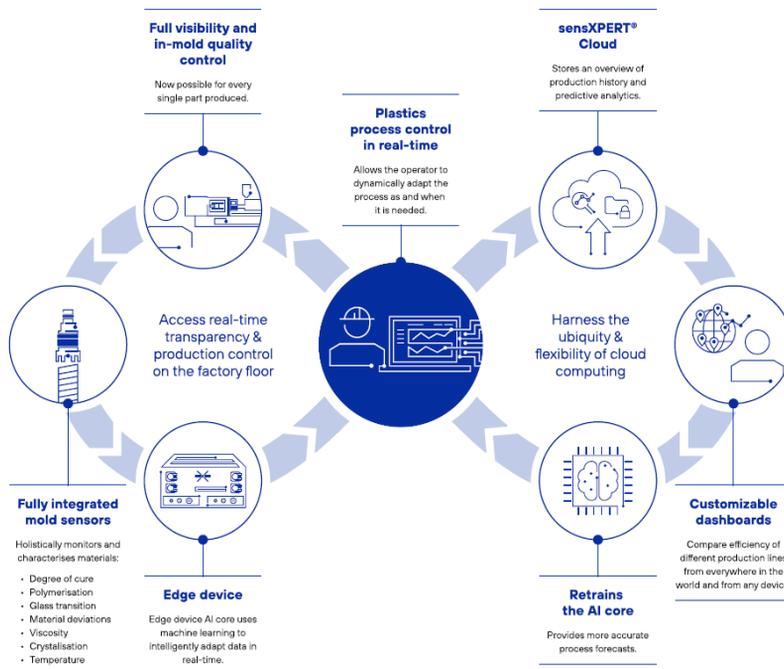
This is your invitation to discover manufacturing opportunities that were once considered impossible, but can now be implemented cost-effectively and efficiently.

More importantly, get a first look at the technology that could mean a potential **30% increase in your production efficiency!**

Introducing the sensXPERT® solution

Developed by the NETZSCH Group, sensXPERT® is a data-driven solution designed to empower the plastics industry and help increase productivity in real-time. The patented sensXPERT® solution is unique, in that it combines integrated hardware with reaction kinetic material analysis and AI to create unprecedented transparency during the manufacturing process. Never before has this level of control been available to manufacturers, translating into a multitude of benefits e.g. scrap reduction, increased productivity, supply chain independence and much more.

Unleash the power of in-mold data and AI for a truly transparent and dynamic production process
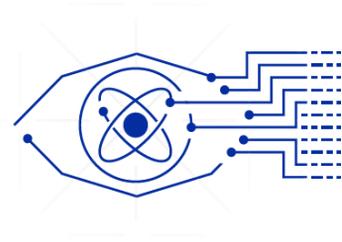

Full visibility and in-mold quality control
Now possible for every single part produced.

Plastics process control in real-time
Allows the operator to dynamically adapt the process as and when it is needed.

sensXPERT® Cloud
Stores an overview of production history and predictive analytics.

Access real-time transparency & production control on the factory floor

Harness the ubiquity & flexibility of cloud computing

Fully integrated mold sensors
Holistically monitors and characterises materials:
• Degree of cure
• Polymerisation
• Glass transition
• Material deviations
• Viscosity
• Crystalisation
• Temperature

Edge device
Edge device AI core uses machine learning to intelligently adapt data in real-time.

Retrains the AI core
Provides more accurate process forecasts.

Customizable dashboards
Compare efficiency of different production lines from everywhere in the world and from any device.

But this is just a glimpse of what's possible and we have so much more to show you

DIGITAL LAUNCH EVENT:
22 September 2022

REGISTER NOW

sens X PERT®

EXPAND your sense of the possible

What makes sensXPERT® unique?

By combining our integrated sensors with machine learning (via an onsite edge device), sensXPERT® utilizes material characterization in real-time. This means you can now detect and control all necessary influencing factors **during the manufacturing process.** In other words, our dielectric sensors determine crucial parameters such as the **degree of cure/crystallization and glass transition temperature** at the molecular level!

Think you could say: Quality control happens in tandem with the actual production of an item. This was once impossible, but the sensXPERT technology makes it now possible!

Meet the people behind sensXPERT®

The NETZSCH Group is a family-owned global technology leader, with 4000+ employees present in 36 countries. The innovation behind sensXPERT® is a culmination of more than 50 years of expertise in the fields of:

- **Material characterization, analyzing and testing**
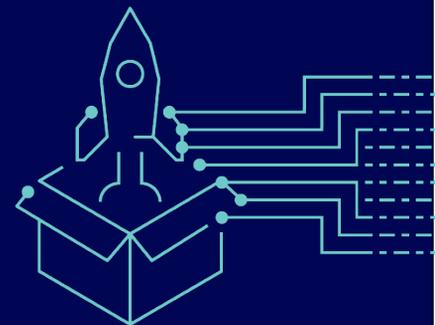- **Sensor technology**

The sensXPERT® brand is brought to you by NETZSCH Process Intelligence – delivering highly innovative solutions for the plastics and composite industry.

Join us for our official
Digital Launch Event

We will officially be unveiling sensXPERT®, accompanied by a series of expert keynotes, networking opportunities.
Make sure you reserve your place by registering right here

DIGITAL LAUNCH EVENT: September 22nd, 2022

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EXPAND your sense of the possible