

Partnership for packaging development and testing

NORNER is an independent innovation and technology centre with leading expertise in plastics and packaging

Industrial Impact

Plastic packaging for food, medical, consumer and industrial products is a large and important business. A wide range of packaging types is provided to the industry. Whether the packaging is a flexible film, laminate or a rigid moulded product, the specific packaging application requires high and appropriate performance standards.

The properties are determined by material selection, recipes and additives, extruder/mould design and the processing.

It becomes increasingly important to understand these relationships vs. requirements for the packers, end users and legislation.

Legal regulations require control and documentation of chemicals, additives, migration and food contact.

We support the packaging industry value chain in these matters.

Norner for Packaging

Material evaluation

Industrial scale trials and upscaling by film extrusion, injection moulding or blow moulding
Packaging performance testing at industry relevant conditions
Evaluation of materials according to international standards
Advice in raw material strategy
Harmonization of raw materials across locations and applications
Innovative materials and processing technologies.

Quality improvement

Product consistency projects
Scientific laboratory for mechanical and analytical performance
Wide range of performance tests for the final package
Raw material quality and consistency evaluations
Improved claim investigation and handling
European leading microscopy lab for analysis and investigating product failure and design optimization

Packaging development

Our competent teams have during recent years delivered a high number of packaging industry innovations and services.

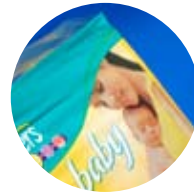
Projects for development of new packaging concepts including upscaling to final product and implementation

Bench-marking of concepts and competitors by technical analysis and evaluation

Development and testing of packaging with barrier requirements

Selection and finetuning of new packaging types and processes

Our broad approach allows us to influence packaging development starting from polymer type, design and manufacturing process via the additives to the actual processing and packaging application.



Our Insight

Industrial Network

Injection and blow moulding producers and markets. Film and flexible packaging. Equipment manufacturers in processing, conversion and packaging. Brand owners.

End use requirements

High impact and transparent packaging, thin wall packaging, deepfreeze, high stiffness paint pails, returnable transport packaging, ISBM pre-forms, food packaging including gas barrier. Caps and closures. Household chemicals and industrial containers, Milk bottles, Blow-Fill-Seal process, Medical packaging. Bags and pouches, vacuum formed packaging, transit packaging, pallet unitisation, hoods and wraps, laminates and coextrusion, labels, printing. Food and consumer packaging. Industrial products packaging.

UN packaging & testing
EU-regulations and directives
US-regulations

Our Approach

