

PASSION FOR INNOVATION IN FILMS AND PACKAGING

NORDENIA DEUTSCHLAND Halle, Plant Steinfeld, is one of the innovation and market leaders for pre-made, reclosable packaging.

The product portfolio is specially oriented toward new developments which stand out due to their quality and individuality.



NORDENIA DEUTSCHLAND Halle GmbH / Plant Steinfeld

Since its founding in 2003, NORDENIA DEUTSCHLAND Halle, Plant Steinfeld, has been setting standards worldwide for packaging development.



CORE COMPETENCIES

- Tailor-made packaging solutions
- The highest quality
- Individual service and consulting worldwide
- Maximum flexibility and absolute delivery reliability

SPECIALISTS IN CONVENIENCE

NORDENIA DEUTSCHLAND Halle, Plant Steinfeld, is the Center of Competence for pre-made, reclosable packaging within the NORDENIA Group. The site specializes in flexible packaging weighing 0.5–20kg which can be used for food, pet food, lawn and garden products, building materials, and chemical products. The packaging is manufactured for customers

in Europe, North America, South Africa, and the Asian region. Varied packaging possibilities such as slider or zipper, different handle options, laser perforation for easy opening or ventilation complete the range. Plant Steinfeld is certified in accordance with DIN EN 15593 (Hygiene), DIN EN ISO 9001 (Quality), and DIN EN ISO 14001 (Environment).



The certified NORDENIA packaging is used, among other things, for food and petcare products.



▲ NORDENIA employees always work hard to satisfy customer requirements – from development to the distribution, from production to the after-sales service.

SERVICE IN CLOSE CONTACT WITH THE CUSTOMER

With highly-qualified employees, ultra-modern laboratory technology, and individual consulting, NORDENIA succeeds in constantly fulfilling the customer's demands. By taking into consideration all requirements regarding material, layout, filling technology, and palletizing,

the ideal type of packaging can be developed for each commodity. The team from Steinfeld also works closely together with manufacturers of filling lines and therefore guarantees that the packaging can be processed on the customer's machinery in the best possible way.



▲ Particularly sustainable NORDENIA products bear the Nor®Green logo.

INNOVATIVE AND HIGH-QUALITY

When innovative film and packaging properties are developed, the benefit to the customer always has priority. Therefore, Plant Steinfeld produces packaging with surface properties from anti-slip right up to adhesive. The laboratory analyzes in exact detail the optical, mechanical, and process-related properties of flexible films and packaging. Along with tests on seal seam strength, zipper opening force, and sensor aspects, the 100% airtightness test also ensures quality.

NORDENIA achieves qualitative dimensions unknown until now by applying

two newly developed flexographic printing processes: The high-definition Nor®Print stands out thanks to maximum color brilliance and particularly smooth transitions. With 3D printing, a special scan method gives the product image a perfect vivid appearance with an intense light and shadow reflection.

The NOR®Green quality seal is the verification of exceptional sustainability. Products which have been manufactured with the most efficient use of energy possible and in a way which effectively saves resources are branded in this way.

The innovative 3D printing process gives ▶ the packaging an extremely vivid appearance.

The films and packaging are subject to thorough quality tests in our plant's laboratory.



RESEARCH AND DEVELOPMENT

Innovativeness is deeply rooted within NORDENIA's company culture. As a pioneer who invests in innovations, NORDENIA develops market-oriented, and value-adding products and processes. The strategic product and process development as well as product optimization are

concentrated in NORDENIA TECHNOLOGIES GmbH, the Group's development company. In cooperation with its customers and suppliers, NORDENIA works for the future of film packaging all over the world. A high utility value and innovative functions are the top priority.

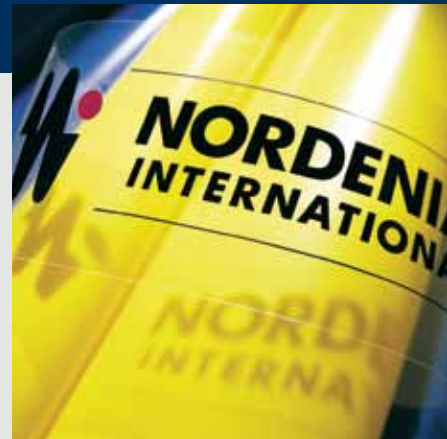
◀ One of the strengths of NORDENIA is the constant enhancement of successful products.

NORDENIA WORLDWIDE

As a leader in innovation and technology, the NORDENIA Group has an outstanding market position with its manufacturing and conversion of flexible packaging, technical films, and product components.

The business is structured into the Consumer Flexible Packaging Division and the Advanced Films & Components Division. Our products are used in a wide variety of areas, in particular the hygiene, food, and pet food sectors. Among our customers are the globally active consumer goods manufacturers.

The packaging film company employs around 3,000 people. Our shared values serve as the foundation for our activities. With its seven shared values of flexibility, global, independence, innovation, partnership, passion for excellence and quality, NORDENIA has a partnership-oriented company culture. The management of NORDENIA INTERNATIONAL AG is headquartered in Greven in the German state of North Rhine-Westphalia. NORDENIA TECHNOLOGIES GmbH handles the NORDENIA Group's strategic process and product development at its Gronau site.



www.nordenia.com

NORDENIA product portfolio

HYGIENE

- elastic diaper components
- mechanical diaper fastening systems
- siliconized for sanitary napkins
- roll-stock laminates
- wicketed bags

CONVERTING FAST MOVING CONSUMER GOODS (FMCG)

- laminating films
- tube-laminate films
- label films

FOOD

- premade bags (stand-up pouches, FlexZiBox, wicketed bags)
- roll-stock laminates
- mono film roll-stock

PETCARE & GARDEN PRODUCTS

- roll-stock laminates
- premade bags (stand-up pouches, FlexZiBox)

BEAUTY & HEALTHCARE, DETERGENT & CLEANSING AGENTS

- roll-stock laminates
- mono film roll-stock

INDUSTRIAL

- surface protection films
- flexible intermediate bulk container (FIBC)
- films for transport and pallet protection
- form fill & seal films
- premade bags
- automotive protection films

MANUFACTURED FROM

- mono- and coextruded PE films
- laminated films
- films and nonwoven film composites
- flexible plastic laminates with aluminum, paper or woven

PRINTED USING

- flexo printing
- rotogravure printing

AS CUSTOMIZED VERSIONS WITH

- easy opening devices
- handle applications
- reclosable systems
- barrier properties
- UV-protection
- anti-fog films

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