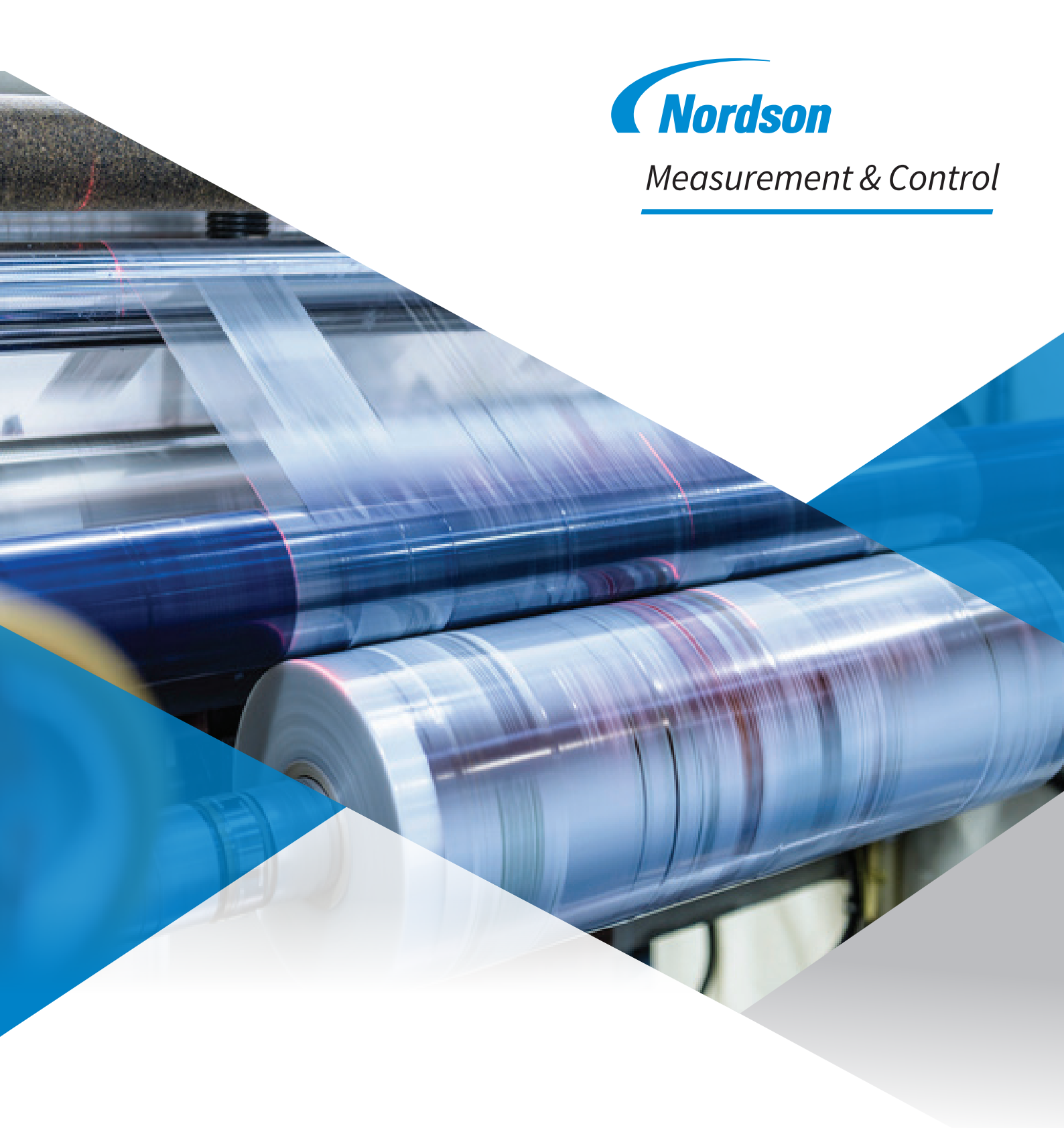




Measurement & Control



ADVANCED WEB GAUGING SOLUTIONS

For the Extrusion Industry

- Biaxially Oriented Film (Biax)
- Blown Film
- Cast Film
- Sheet



Nordson & the Film Extrusion Industry

Nordson Measurement & Control Solutions (Nordson MCS) is a leading provider of web gauging technology for the film extrusion industry. For many decades now, we have been a benchmark on the international scene. We provide our customers with the best system solution for the most diverse measurement requirements, including thickness, weight, and coextrusion layer analysis. Our know-how enables us to offer state-of-the-art solutions which provide a proven competitive advantage. We are always at the forefront of the latest trends and continually investing in the R&D of new technologies and potential applications.

We Help you Meet the Challenge

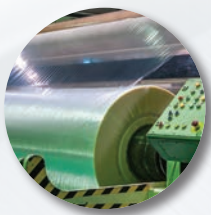
We understand that manufacturers operate between a rock and a hard place, trying to minimize their environmental impact while maintaining the same quality standards. Nordson MCS' cutting-edge gauging technology allows extrusion companies to squeeze as much yield as possible out of their resins and produce a flat, uniform, premium-quality product that exceeds the performance expectations from the downstream processes. With our measurement and control systems, you will achieve maximum process uptime, low rejects, and minimum raw material usage. All this will benefit your environmental footprint, delivering minimized waste, less energy consumption, less CO2 emissions.

The Nordson Advantage

Being the division of a large multinational corporation with over 2.5 billion in sales comes with its own advantages.

Nordson has a long history in the field of extrusion and polymer processing. That implies technical and commercial expertise gained over more than half a century of business. Moreover, we are based on a solid structure and a clear business strategy, which enables us to operate ethically and efficiently, striving for excellence.

Finally, we rely on a global platform with operations and support offices in more than 35 countries that allows us to provide support and assistance 365 days a year worldwide.



**BIAXIALLY
ORIENTED
FILM**



**BLOWN
FILM**



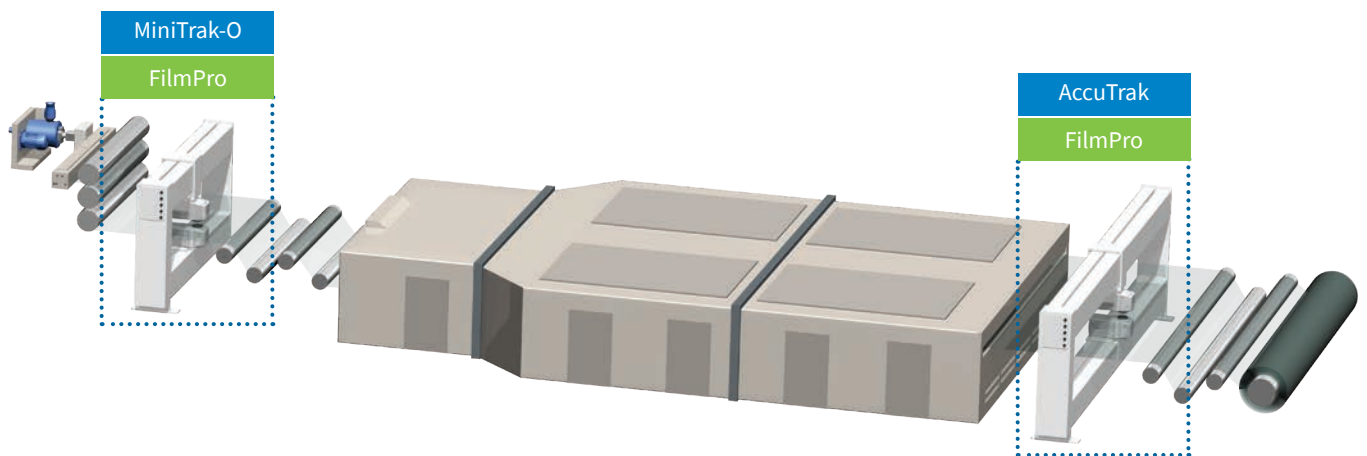
**CAST
FILM**



SHEET

BIAXIALLY ORIENTED FILM (BIAX)

- Non-nuclear technology
- Lowest cost of ownership
- Higher measurement/accuracy/repeatability compared to the traditional Beta systems
- Easy to implement, install, and maintain
- Unaffected by lighting, temperature, humidity, and other elements
- Measures clear, filled, or voided / pearlescent films and materials that exhibit density variation
- Measures the oil content of the film



MINITRAK-O Scanner

- Compact Footprint
- Excellent Rigidity
- Box-Beam Construction



ACCUTRAK Scanner

- Wide-Track Box Beam Construction
- Long-Life Power Track Design
- Completely Enclosed Electronics



FILMPRO Infrared Gauge

- Thickness
- Stretch Profile
- Edge Profile



Alternative Measurement Solutions for Specific Applications



BLOWN FILM

- Non-nuclear technology
- Fast layflat measurement (DLSA algorithm)
- Improved control compared to traditional rotary capacitance systems.
- Rapid Automatic Profile Control (APC)
- Unaffected by lighting, temperature, humidity, and other elements
- Easy to implement, install, and maintain
- Measures individual components in a coextruded film including the total thickness of PET, PP/PE, PS, PVC, EVOH, PMMA, PA and Ionomer (up to six different product components)



MINITRAK-O
Scanner

- Compact Footprint
- Excellent Rigidity
- Box-Beam Construction

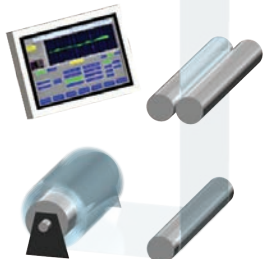


FILMPRO
Infrared Gauge

- Thickness
- Barrier Layer



Auto Mapping
APC

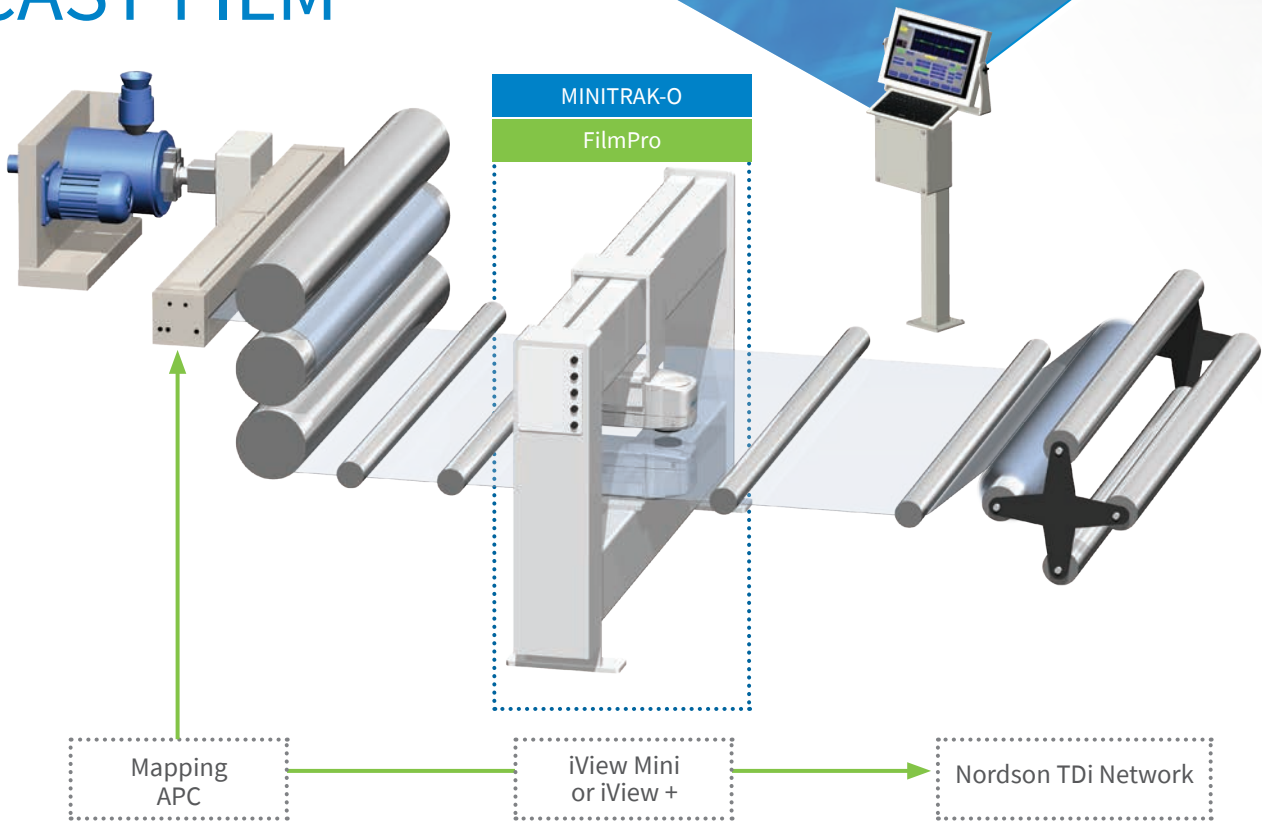


iView Mini
or iView +

Alternative Measurement Solutions
for Specific Applications



CAST FILM



**MINITRAK-O
Scanner**

- Compact Footprint
- Excellent Rigidity
- Box-Beam Construction

- Non-nuclear technology
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**FILMPRO
Infrared Gauge**

- Thickness
- Barrier Layer

Alternative Measurement Solutions for Specific Applications

X-RAY

BETA



MINITRAK-S

Scanner

- Compact Footprint
- Excellent Rigidity
- Box-Beam Construction



GAMMA

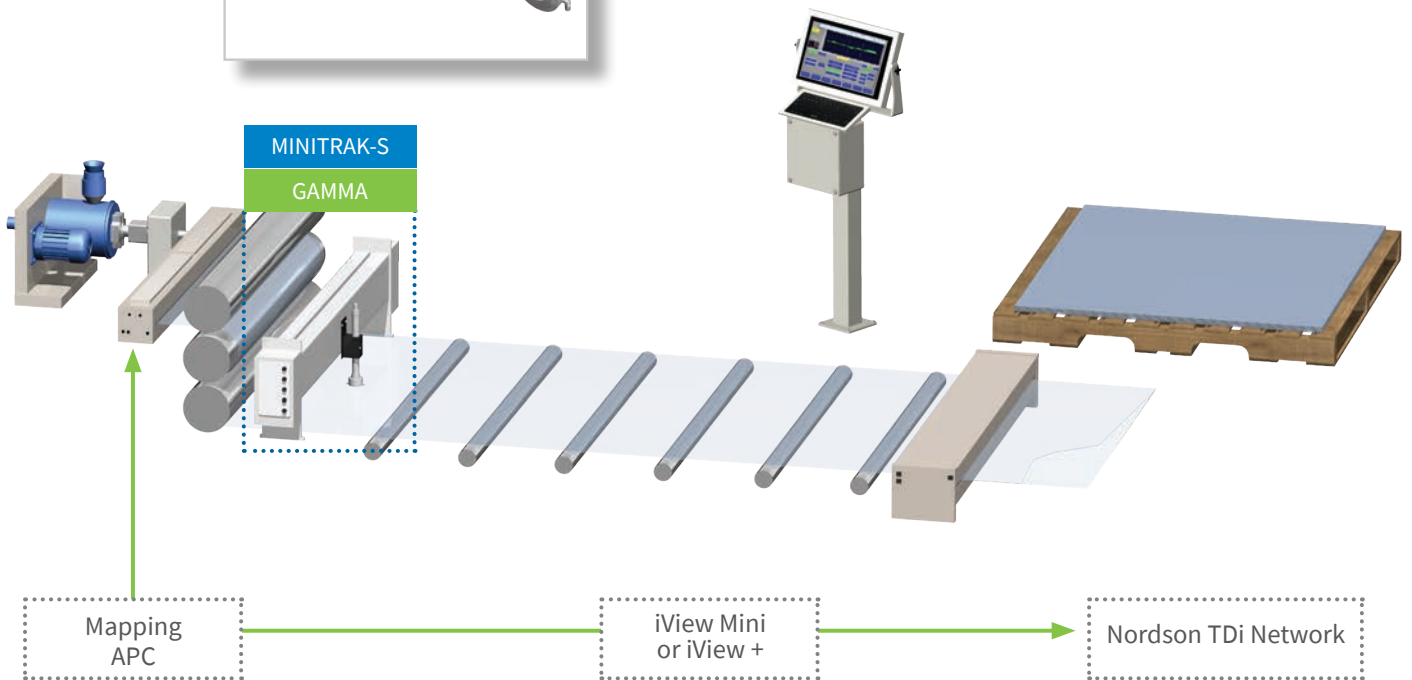
Backscatter Gauge

- Thickness
- Basis Weight



SHEET

- Compact sensor – contact or non-contact
- Single-sided measurement
- Signal is proportional to mass
- No standardization required
- Insensitive to product composition
- Low cost system



Alternative Measurement Solutions for Specific Applications



X-RAY



FILMPRO



BETA



Measurement & Control



For questions or support go to: <https://ndc.custhelp.com/>

In line with its policy of continuous improvement, Nordson reserves the right to revise or replace its products or services without prior notice. The information contained in this document may not represent the latest specification and is for indicative purposes only.

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