



WINDMÖLLER & HÖLSCHER

PRESSE-INFORMATION | PRESS INFORMATION

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EXPO in Lengerich **28./29.10. + 01./02.11.2010**

OPTIMEX

Top-quality blown Film at an Attractive Price

Comparatively simple 3-layer film structures of polyolefins and additives are commonplace in today's film market. So what could be more fitting than to design a blown-film line dedicated to this type of film? The development of such a machine would offer clear economic advantages compared to universal extrusion lines. The OPTIMEX, W&H's new 3-layer blown film line offers an economically attractive means of producing top-quality films for a wide range of applications, including packaging, carrier bags, laminating and shrink- or stretch hoods.

The OPTIMEX is manufactured with the precision and quality that W&H is known for, combining the latest extrusion technology with a competitive pricing. During the company's in-house EXPO, the OPTIMEX will produce a demanding, high-clarity, 3-layer shrink wrap film, containing a high ratio of metallocene, with an output of 350 – 400 kg/h. A new haul-off unit with a side-gussetting unit for the production of shrink- and stretch hood film will also be shown.



The OPTIMEX is composed of many well-known and field-proven components from the W&H VAREX blown film line as well as with brand new components. Available widths are: 1,300 mm, 1,600 mm and 1,800 mm layflats, as well as 2,200 mm and 2,600 mm side-gusseted layflat.

Another noteworthy feature of the OPTIMEX is the MAXICONE C die, which has already proved successful with the VAREX blown film line. Its low melt volume and short melt path are instrumental for yielding the best film quality and rapid changeovers. Layer ratios range from 1:1:1 up to 1:6:1, offering a unique range of flexibility.

Newly developed low-temperature barrier screws also play a pivotal role in driving high output rates. Latest generation water-cooled frequency converters of the extruder drives keep the temperatures inside the switch cabinets at an acceptable level – even at high ambient temperatures.

The film sizing cage moves its arms concentrically to the bubble for more accurate sizing of the bubble. Aside from the very tight width tolerances, the film is also characterized by its perfect thickness profile featuring extremely low tolerances, achieved by a capacitive thickness measuring system. It's sensor is continuously circulating the bubble, transmitting relevant data to the proven OPTIL P2K gauge control.

Another new feature are the horizontal air turning bars in the reverse haul-off which can be equipped with a side gussetter.



With a view to perfectly rewind the high-class film, maintaining its optical quality and runability, the line is equipped with the newly developed FILMATIC O winder. This additional member of the FILMATIC range of winders is available as mono- or two-up version. Based on the proven FILMATIC technology, it offers immaculate roll quality.

Another proven VAREX component used with the OPTIMEX is the intuitive and operator-friendly operator console known as PROCONTROL. Automation modules, including EASY-CHANGE and PROFILE BOOSTER, ensure quick changeovers.

Windmüller & Hölscher has created a new service concept which greatly improves the support of OPTIMEX-lines in the field. In case of malfunctions, the integrated service computer communicates by means of the internet with the specialists at the W&H Information and Diagnostic Center (IDZ), where individual components can be analyzed for a quick problem resolution. Customers can view documentation directly on the screen, including electrical diagrams, programming, as well as analog and digital signals. The benefit for the user lies in less downtime and increased efficiency.

OPTIMEX is a very attractive blown film line, meeting with great success in the marketplace. In the 10 months since launching this new product, 10 lines have been sold.

Windmüller & Hölscher is an international leader in the design, manufacturing and distribution of machinery for the flexible packaging



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industry and is based in Lengerich, Germany. The product range includes flexographic and gravure printing presses, blown and cast film extrusion systems, multiwall equipment, plastic sack and bag making machines, as well as form-fill-seal machinery.

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OPTIMEX is W&H's newly designed blown film line providing a highly attractive cost-performance ratio, for a broad spectrum of 3-layer applications.