Press Release

Oerlikon Nonwoven electro-charging unit rounds off filter nonwovens systems

ecuTEC+ improves filter performance significantly

Neumünster, July 30, 2020 – spunbond and meltblown materials can be electrostatically charged to improve their filter performance. The ecuTEC+ electro-charging unit is part of the delivery scope of all meltblown systems currently sold for the manufacture of protective mask nonwovens.

The patented Oerlikon Nonwoven solution is characterized by its exceptional flexibility: ecuTEC+ stands out above all as a result of its diverse applications, which can be electro-charged. Nonwovens manufacturers can freely choose between numerous variation options and set the optimal charging method and intensity for their specific filter applications. And EPA- and HEPA-class filter media can also be manufactured using the ecuTEC+. As a result, the concept distinguishes itself from other technologies available on the market.

Demand for filter media remains high

The demand for filter media – and those made from meltblown nonwovens in particular – has been extremely high since the start of the coronavirus pandemic. The Oerlikon Nonwoven meltblown technology – with which nonwovens for respiratory masks can also be manufactured, among other things – is recognized by the market as being the technically most efficient method for producing highly-separating filter media made from plastic fibers. The capacities for respiratory masks available in Europe to date are predominantly manufactured on Oerlikon Nonwoven systems.

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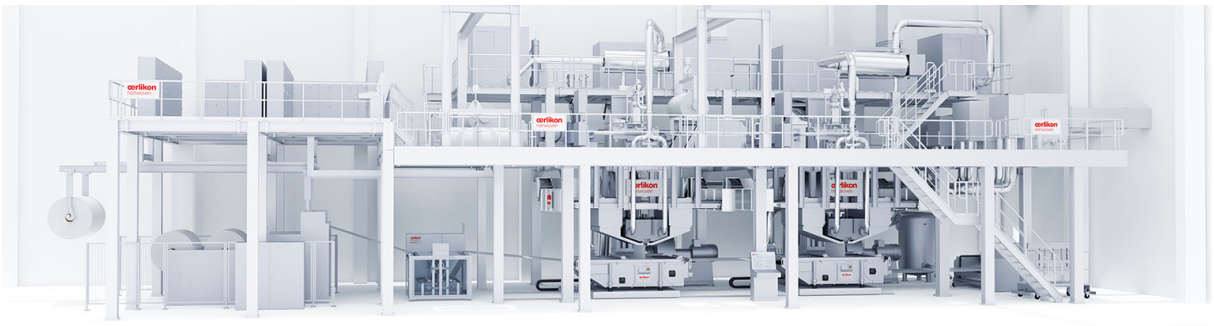

Caption: Electrostatically-charged filter media offer noticeably improved filter performance.

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About Oerlikon

Oerlikon (SIX: OERL) develops modern materials, systems and surface technologies and provides specialized services aimed at securing high-performance products and systems with long lifespans for customers. Supported by its technological core competencies and its strong financial footing, the corporation continues its medium-term growth plan by implementing three strategic factors: focusing on attractive growth markets, ensuring structural growth and expanding through targeted M&A activities. Oerlikon is a globally-leading technology and engineering corporation, operating its business in two segments (Surface Solutions and Manmade Fibers) and employing around 11,100 members of staff at 182 sites in 37 countries worldwide. In 2019, Oerlikon generated sales of CHF 2.6 billion and invested more than CHF 120 million in research & development.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers segment

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers segment is one of the leading providers of manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and solutions for the production of nonwovens and – as a service provider – offers engineering solutions for the entire textile value added chain.

As a future-oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies (e-save). With its range of polycondensation and extrusion systems and their key components, the company caters to the entire manufacturing process – from the monomer all the way through to the textured yarn. The product portfolio is rounded off with automation and Industrie 4.0 solutions.

The primary markets for the product portfolio of Oerlikon Barmag are in Asia, especially in China, India and Turkey, and – for those of Oerlikon Neumag and Oerlikon Nonwoven – in the USA, Asia, Turkey

and Europe. Worldwide, the segment – with just under 3,000 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster (Germany) and Suzhou (China), highly-qualified engineers, technologists and technicians develop innovative and technologically-leading products for tomorrow's world.

For further information: www.oerlikon.com/manmade-fiber