

**NEUMAG**

# **hycuTEC**

Hydrocharging unit for superior  
filter separation performance

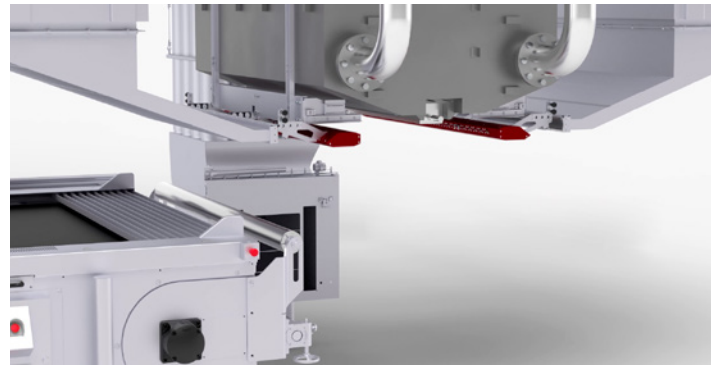


From Melt to Nonwovens

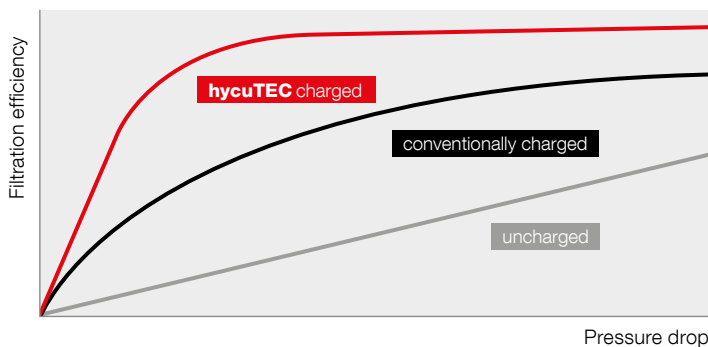
# hycuTEC – for superior filter separation performance

The hycuTEC, the Neumag hydrocharging unit, is used to manufacture the highest-class filter media. By electrically charging meltblown nonwovens with the hycuTEC, the filter performance is increased in an energy-efficient way and hence without increasing pressure loss

The hycuTEC is an industrially manufactured hydrocharging solution that can be seamlessly integrated into the production process. And the hycuTEC can also be easily retrofitted into existing systems as a plug & produce component.



## High filtration performance with low pressure drop



By using the hycuTEC hydrocharging system, the pressure loss can be reduced to less than a quarter compared to conventionally-charged media. Filtration efficiencies of more than 99.99% are easily achieved in typical filter media of 35 g/m<sup>2</sup> at 35 Pa, for example.

Scan for more information:

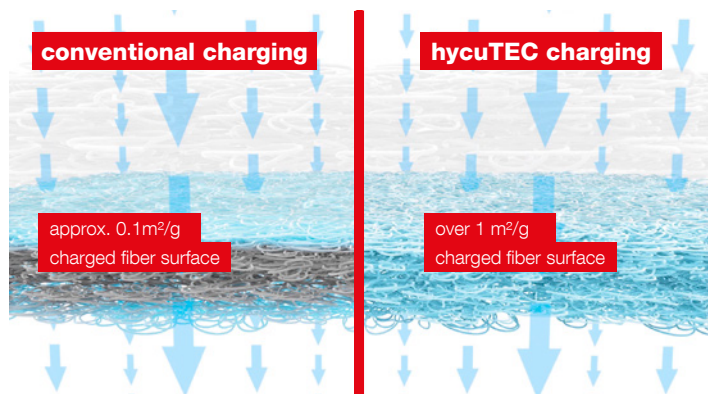
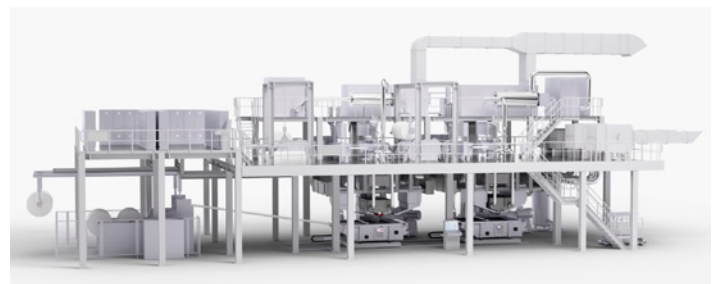


hycuTEC trailer



hycuTEC technical animation

As a future-proof technology, the hycuTEC process is characterized by considerably lower water and energy consumption compared to other hydrocharging concepts. The hycuTEC allows an additional drying process to be dispensed with in the case of many applications, which has a huge impact on energy consumption.



Whereas conventional charging processes charge the finished nonwoven material, the hycuTEC concept is based on the all-round charging of each filament during the creation of the fabric. Consequently, the effective charged surface area is about 10 times larger than that of surface-charged media. A controlled spraying process ensures that a charge from the water spray is evenly transferred to the filaments. A special Oerlikon additive is used to permanently bond the charge to the surface of each filament. The result: filter media with a uniformly stable charge over the entire cross-section.

## Neumag

Zweigniederlassung der Barmag GmbH & Co. KG  
Christianstraße 168 – 170 · 24536 Neumünster · Germany  
www.barmag.com

Please contact us for a personal quotation:  
Phone +49 4321 305-672 · Fax +49 4321 305-231  
sales.neumag@barmag.com

Subject to technical modification  
and other changes. BNE 05/26