

Figures - Data - Facts

Address	Irema-Filter GmbH An der Heide 16 92353 Postbauer www.irema.de
Management	Inge Jung
Employees	70 (in Germany)
Export share	30-35 %
Products	Filter media for automotive cabin air filtration as well as fine dust filtration in industrial applications (F5-H11). Mini Pleats: 22-145 mm pleated heights, efficiency class F5-H11

Irema-Filter

In 1975 Irema-Filter GmbH was founded in 1975 in Nuremberg. In the first years bacteria filters, surgical drapes as well as clothing for the medical field was produced. In the 1990's the focus changed to the production of synthetic filter media for industrial applications and for automotive cabin-air-filtration, where Irema-Filter holds almost 30 % market share.

2007 Irema-Filter introduces a brand-new technology which allows to integrate the nanofibers directly into a filter medium. Basis of this innovative process is a modified melt-blown process allowing the simultaneous manufacture and entangling of micro- and nanofibers in a single process step in order to fabricate high-performance filter media. The use of several different and separately controlled spinning devices allows the adjustment of the concentration of different fiber diameters within the cross sectional area. Hereby every spinning device is dedicated to a specific task depending on product require-



ments: coarse fibers for stability, microfibers for coarse and fine filtration and nanofibers for fine and finest filtration.

By means of this new technology it is possible to integrate high concentrations of nanofibers in the filtration medium without subsequent bonding. The high flexibility of the process enables the development of customized filter media with highly improved filter characteristics.