

# FUGA-News 01/2009

## - Filter fabrics -

### Filter fabrics for automatic filter presses and horizontal vacuum belt filters

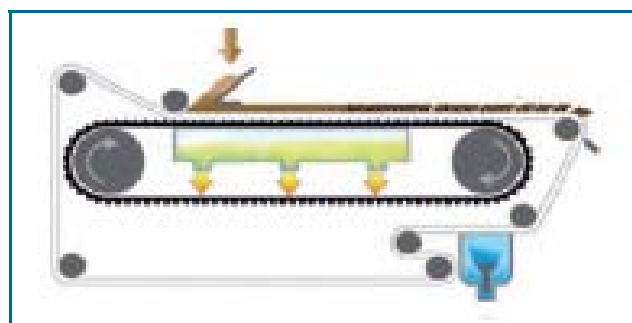
There are not only great demands on the machinery for the industrial dewatering. If it is a matter of filtration efficiency, we talk about special textile fabrics.



*Belt filter*

Our heavy multifilament and double layer fabrics made of Polypropylene and Polyester are used as belt and drum filter coverings or as endless belts for automatic filter presses.

FUGAFIL's range includes in addition to 100% multifilament and monofilament fabrics, also combined mono/multifilament fabrics. These fabrics are utilized in numerous industries, e.g. in the foodstuff and beverage industry, the pharmaceutical industry or in the biotechnology and also in the chemical process industry.



*Schematic depiction of belt filter*

We can provide these fabrics either as roll goods or as ready made items. In our own making-up department we can also produce filter belts with clipper seams and edge reinforcements.



*Automatic filter press with endless filter belt*

| Material                                     | PPDL<br>0907 | PPMDL<br>20607 | PET DL<br>237.107 | MPP<br>2711 | MPP<br>269 |
|--|--------------|----------------|-------------------|-------------|------------|
| Air permeability<br>(L/dm <sup>2</sup> /min) | 300/500/100  | 30/50/100      | 1500              | 10          | 250-300    |
| Weight<br>(g/m <sup>2</sup> )                | 420          | 400            | 260               | 1020        | 1020       |
| Thickness<br>(µm)                            | 920          | 700            | 500               | 1480        | 1900       |

## Making-up of high-quality belt filters

Our technical making-up department develops made-to-measure solutions for belt filters, vacuum drum filters and centrifuges. The special double layer fabrics made from Polypropylene and Polyester, as well as the heavy mono- and multifilament fabrics will be used for various industrial applications.

The filter belts for automatic filter presses and horizontal vacuum belt filters can be constructed with a special edge coating made of Polyurethane or of a fabric reinforcement that will be adjusted to the mechanical use depending on the application.

Furthermore we can add clipper seams for endless filter belts out of stainless steel and also special monoclippers.

In addition to that we can provide stamped parts by using our own laser cutter or ultrasound machine as well as high-frequency welding and stamping and even commission cutting.



*Appliance for fitting of stainless steel clippers*

## The new laser cutter

Since 2001 we pre-cut every filter media on our laser cutter L 2500 with a working width of 180 cm. In the meantime not only the volume has been increased (the machine runs in 3 shifts during 5-6 days

per week), but also the width of the filter cloth has become wider.

This development required the investment in a new, wider cutter to cope with the incoming cutting work. In August 2008 we installed the new LC Mercury 603 additionally with a working width of 250 cm and a higher cutting capabilities, so that we can also work with thicker and more voluminous textiles.

We will gladly demonstrate our capabilities, if requested, with your material.



*The new all-rounder Mercury 603*

Visit us at:

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11th - 15th May, 2009  
Frankfurt Fair  
Messe Frankfurt

**Hall 5.0 Stand B1**

### TECHTEXTIL

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Messe Frankfurt

**Hall 3.1 Stand D 51**

### 2. Potsdamer FFT Solid-Liquid- Separation Days

1st - 2nd July, 2009  
Hotel Am Griebnitzsee  
Potsdam  
Mediencity Babelsberg

Series of lectures:  
[www.texocon.de](http://www.texocon.de)

### How to get in contact with us:

FUGAFIL - saran GmbH  
Ostring 22  
D-46348 Raesfeld

Phone: +49/(0)2865/9580-0  
Fax: +49/(0)2865/9580-10

E-Mail: [Info@fugafil.de](mailto:Info@fugafil.de)

### Your persons in charge:

Application technology filter cloths:  
*Thomas Balke* - DID - 26  
Application technology belt filters:  
*Guido Rauße* - DID - 25  
Sales office work making-up:  
*Claudia Stahlhauer* - DID - 27  
Sales office work roll goods:  
*Raoul Schneider* - DID - 24

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