TWE DIERDORF

ParaPrint®

ParaMoll®

ParaFil®

Emulsions

Grinding oils

Synthetic solutions

Honing, cutting and rolling oils

Drawing solids

Washing solutions

The end of the road for solids

Nonwovens for liquid filtration

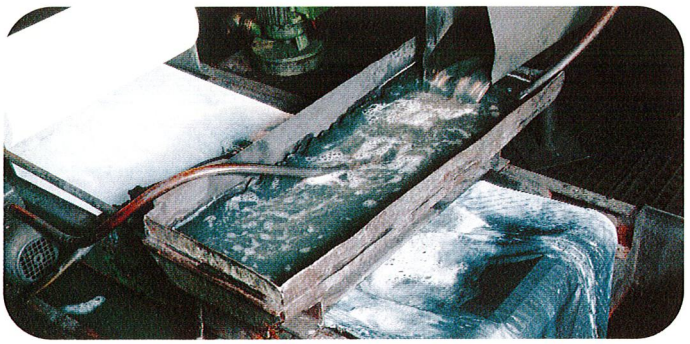
The optimal filtration.

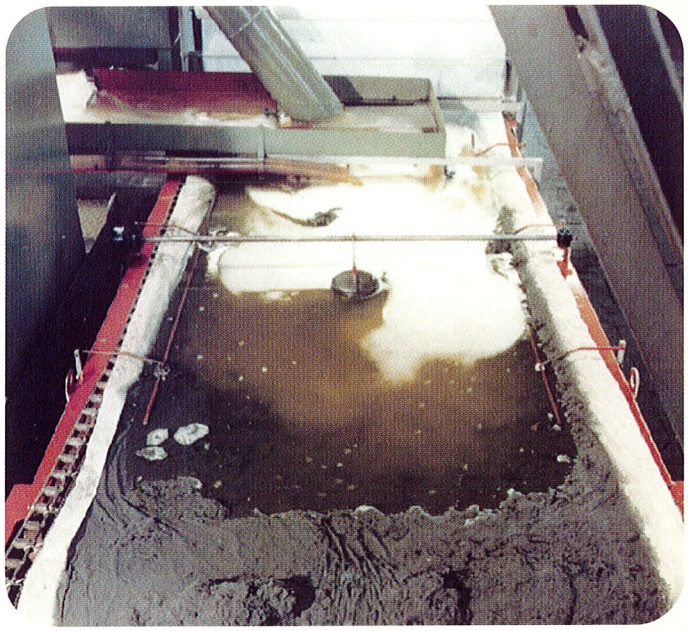
We gladly meet the challenge.

TWE Dierdorf´s roots go back to Lohmann Vliesstoffe which was a pioneering company in this industry and has been developing new solutions for the ever changing world of filtration for almost 50 years. The metal-working industry seeks to achieve extremly narrow tolerances and shorter manufacturing times. The latest automatic machines achieve the greatest precision in ever shorter steps.

The **TWE Dierdorf** Research and Development department develops filter medium for various dimensions, strengths, fiber blends and structures in order to solve new demands.

Components such as type of filtration unit, manufacturing process as well as the coolant have to be analysed and assessed constantly in order to develop better solutions.

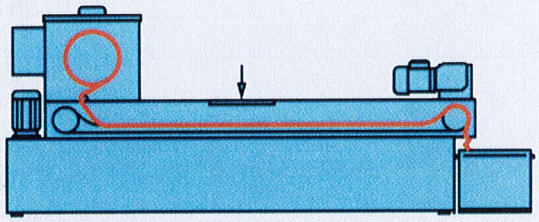




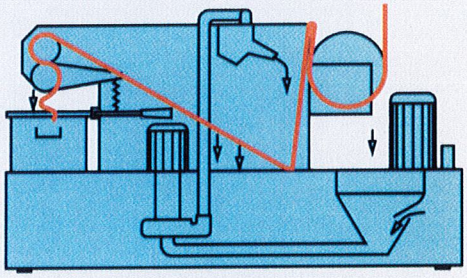
For our customers, new types of filtering medium and deep-filter processes mean a considerable cut in costs due to lower wear, tear, and longer operating times and improved preparation possibilities. **TWE Dierdorf** will assist you to select the most efficient filter paper for your individual application.

Filter systems

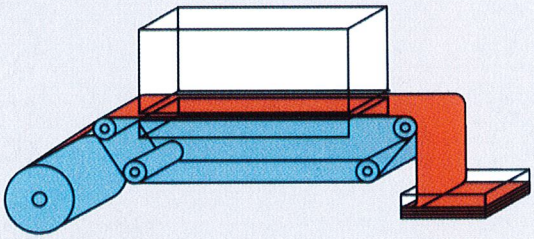
overview!



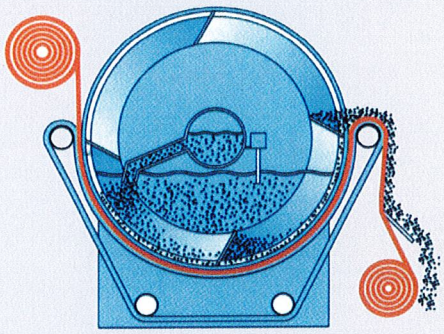
Gravity belt filter



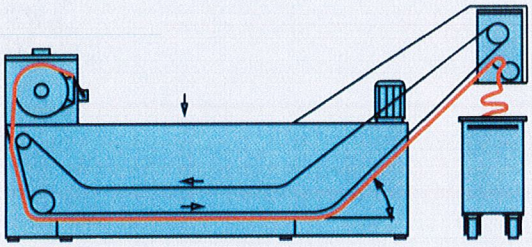
Hydrostatic filter



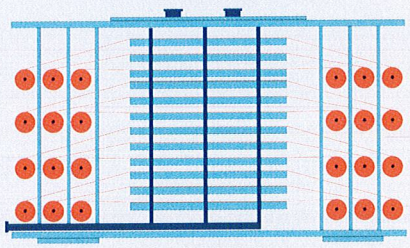
Pressure belt filter



Compact belt filter



Vacuum filter



Multi-plate filter

Todays industrial coolant filtration is in principle performed by belt filter systems with various designs.

For further information about filter systems and their manufacturers please contact us.

Recommendations on the use of **TWE Dierdorf nonwovens** for industrial liquid filtration.

Wire drawing

Processing	Starting diameter	Final diameter	TWE Dierdorf Recommendation
ROD BREAK DOWN	8,0 mm	3,5 - 1,0 mm	Parafil RT 30 Paramoll N 927/35 P
MEDIUM WIRE DRAWING	3,5 mm	0,4 mm	Paraprint OL 50 Paramoll N 927/50 P Paramoll N 927/70 P
FINE WIRE DRAWING	2,1 mm	0,1 mm	Paramoll N 889/70 P Paramoll N 968/100 Paramoll Hiflow 130
FINEST WIRE DRAWING	1,0 mm	0,05 mm	Paramoll N 927/100 P Paramoll N 334/150 Paramoll Hiflow 180

Cold an hot rolling with plate filters

			Parafil RT 80 Parafil R 70 PES

Since the filtration efficiency is determined exclusively by the filter cake's formation, which cannot be influenced, it is not possible to state any filtration performance in micron. Sample rolls for testing purposes can be supplied immediately.

Recommendations on the use of **TWE Dierdorf nonwovens** for industrial liquid filtration.

Machining applications

Application	Machining process	Filter unit without mechanical load e.g. Gravity belt filter	Filter unit with mechanical load e.g. Vacuum belt filter	Oil filtration
COARSE	Turning Drilling Milling	Parafil RT 20 Paraprint OL 20 Paramoll N 927/35 P	Parafil RT 30 Parafil RN 70	Parafil RT 20
MEDIUM	Milling Grinding	Paraprint OL 35 Paraprint OL 50 Paramoll N 927/50 P Paramoll 927/70 P	Parafil RT 30 Parafil RT 70 Paramoll N 927/50 P Paramoll N 927/70 P Paramoll N 927/100 P	Paramoll N 927/50 P Paramoll N 927/70 P Paramoll N 968/100
Fine	Grinding Honing Lapping	Paraprint OL 50 Paraprint OL 60 Paramoll N 260/100 Paramoll N 927/100 P Paramoll N 334/150	Paramoll N 927/100 P Paramoll Hiflow 130 Paramoll Hiflow 180	Paramoll Hiflow 130 Paramoll Hiflow 180

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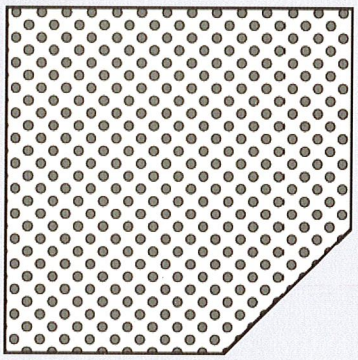
Nonwovens for

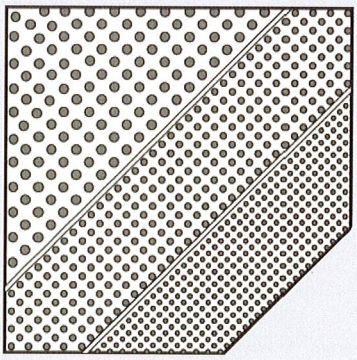
liquid filtration.



from coarse to medium coarse

ParaPrint®

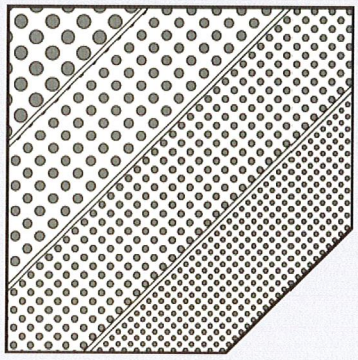
A universal range of viscose staple fabrics with high pore volume, in several degrees of fineness to suit your individual requirements.



from medium coarse to fine

ParaMoll®

3-dimensional deep filtering medium, which retains even the finest impurities.



from coarse to fine

ParaFil®

A thermally spunbonded fabric whose great strength in lengthwise and crosswise directions makes it ideal for vacuum belt filters. For the entire range of applications, it is from coarse to fine.