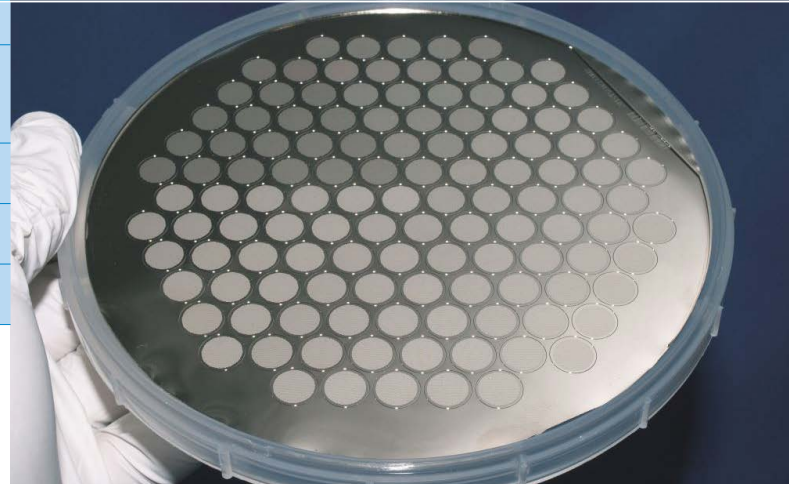


Technical specifications

Contact us

temiLife MF

Hole size	from 2 µm up, smaller dimensions on request
Thickness	from 10 µm up
Materials	Ni, different coatings possible
Aspect ratio	≤ 2



Services of temiLife MF technology

- Many years of expertise in mastering of finest structures
- Highly precise galvanic processing of the mastered structures
- Competent consulting in terms of suitable materials
- SEM and light microscope equipment for quality assurance of the manufactured filters and membranes
- Coating with gold or other metals by sputtering
- Production on substrates ranging in size from 4" to 16" allow the simultaneous and uniform production of several thousand filters per production run
- Production conditions at clean room standard
- High vertical range of manufacture of all process steps
- Fast and flexible throughput times



temicon GmbH

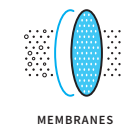
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Micromembranes
and microfilters –
from idea to tooling
and series production

Follow us

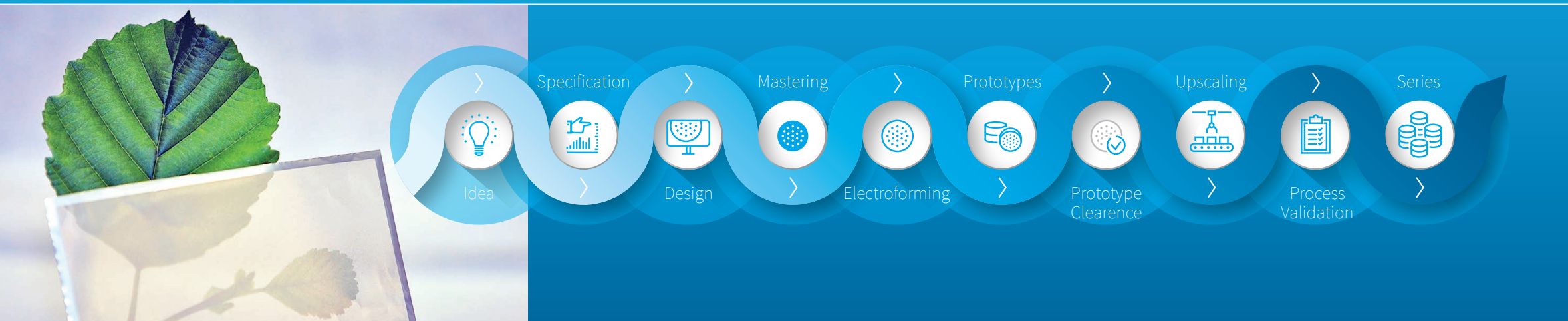


temiLife® is a brand of



It's all about the details

From idea to series production



Fast and precise

Microfilters and micromembranes are used in a wide variety of applications in medical technology, analytics or biotechnology. Here, precise and reproducible adjustment of the hole sizes and geometries as well as the layer thicknesses are of decisive importance. Based on the temiLife MF production technology, temicon is able to control such parameters to ensure the optimum performance of the corresponding membrane for your application.

Quality Assured!

With over 10 years of experience in the field of medical applications temicon can grant a high degree of process control and reproducibility. All relevant parameters are constantly tracked and documented. The combination of high tech measurement equipment, automated, semi-automated and manual quality checks leads to a high degree of product quality and safety.

Your application – our solution

Based on your needs and requirements temicon can design a custom made solution in terms of size, shape and material properties. Within our fast prototyping process we are able to produce several membranes or sieves on one single wafer to investigate the best performing parameter combination that can be used for the serial production.



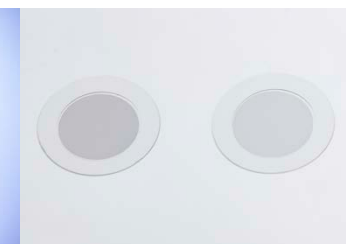
Filter sieve



Membrane shim



Medical filter



Perforated polymer membrane