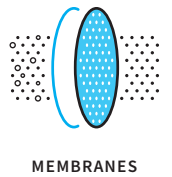
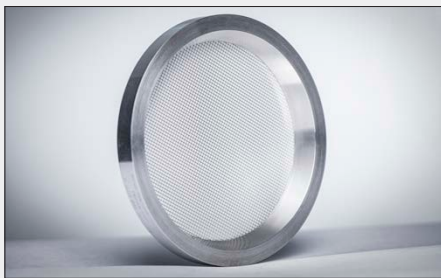


# temilife MF

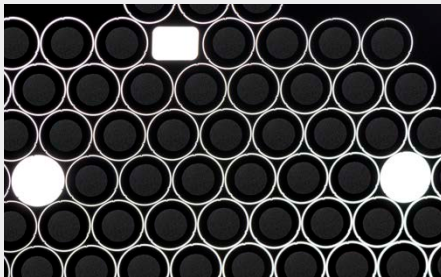
## Micromembranes and microfilters



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.



Filter sieve



Membrane shim



Membranes on wafer

### 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 6" 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

### Technical specifications

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

