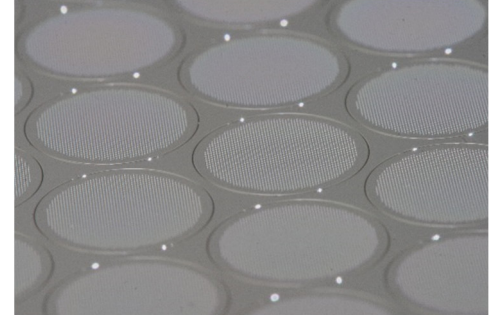


Sieves, filters and meshes

micro meshes, micro sieves and micro filters find their way into a variety of applications, such as environmental, food, pharmacy and biotechnology, in optical, fluidic, mechanic or electronic Systems. The membranes are for example used for the filtration of fine dust, micro- particles and bacteria from gases and liquids or for the separation of biological cells in life science.

Different hole geometries in a wide parameter field of hole diameter, height, distance and profile shape can be realized. With the unique temicon technology also holes with dimensions of less than 1 micron are possible. There are also the possibility to optimize and prepare the parts for a very easy cleaning process – no blocked holes in the future!

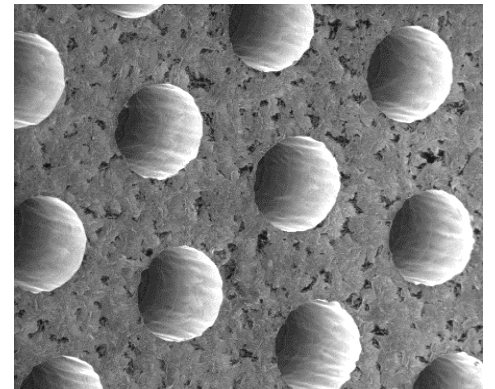


Small filters (about 13 mm diameter)

temicon GmbH

We use lithography and electroforming technology to produce highly precise metallic micro parts at industrial scale. Whenever traditional methods such as milling, punching, laser cutting or photo etching reach their limits, our innovative technologies come into play.

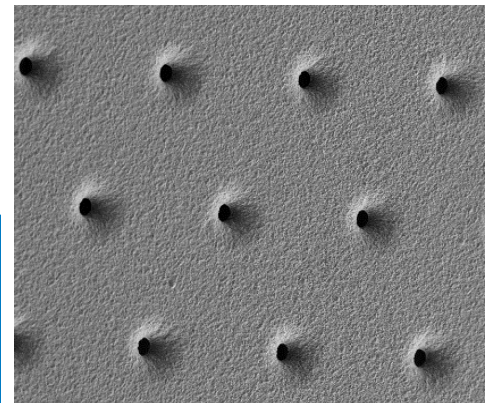
Typically, a large number of metal components are produced in one batch and separated afterwards, which enables a high quality and cost-efficient volume production. The micro structures have dimensions of several 100 µm down to 100 nm.



Sharp edges, no burrs, large sieve opening

Specifications

material	soft nickel (~200-250HV 0,1) hart nickel (~600-650HV 0,1)
coating (optional)	gold and other metals
profile	1-step, 2-step, trumpet
size	up to 200 mm
thickness	0,005 mm – 0,320 mm
structure	0,0003 mm (300nm) – a few millimeter



Different hole shapes are possible

We look forward to your individual inquiry!

temicon GmbH

Konrad-Adenauer-Allee 11
44263 Dortmund Germany

+49.231.47730-550

+49.231.47730-555

info@temicon.com

www.temicon.com