



ZE ÄTZTECHNIK

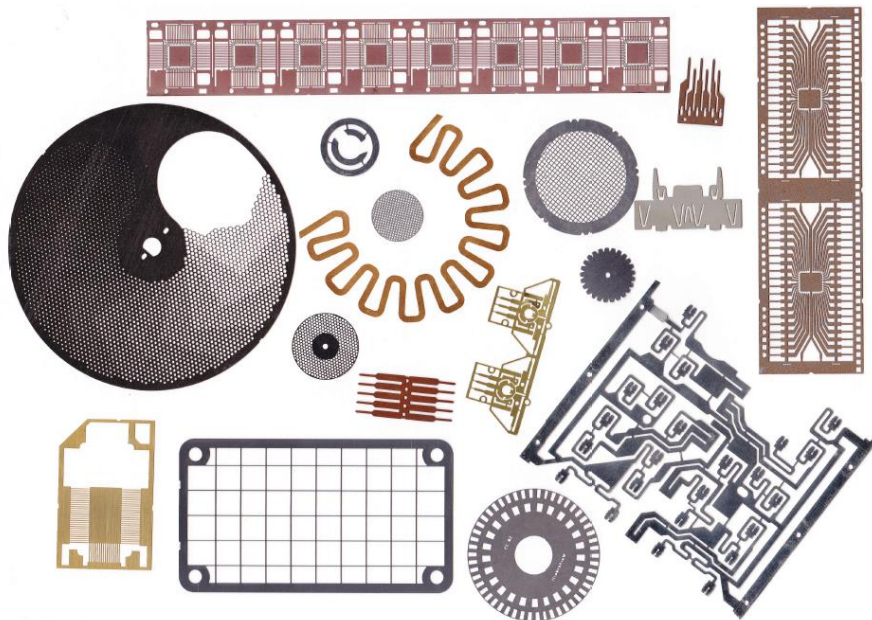




ZE ÄTZTECHNIK

PHOTO ETCHING precise – efficient – quick

NEW



**We produce for you etched products out of all common metals
cost-efficient, quick, with high quality**

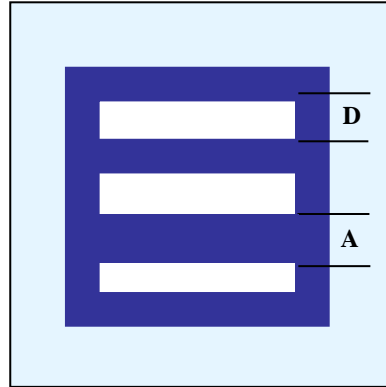


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PHOTO ETCHING

precise – efficient – quick

Etched parts are flat, burr-free, without tension and highly flexible. As tools photo-technical films are used with small series therefor relatively high tooling expenses can be avoided



Smallest distance between openings to material thickness:

D-factor 1.20 A-factor 0.80

Technical data:

Material:

iron, steel, stainless steel, chrome, nickel, copper, zinc, tin, aluminium, beryllium and also alloys with these metals

Material thicknesses from:

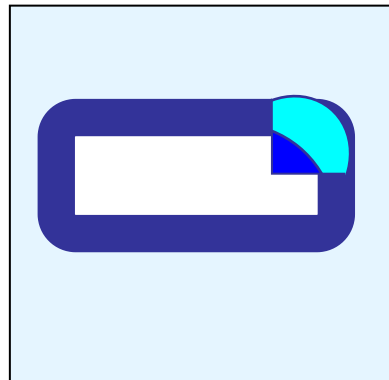
0.01mm to 2.0mm

Dimensions:

2mm x 2mm up to 500mm x 2000mm

Volume:

1 to 10,000,000 pieces



Radius standard = factor 0.5 x thickness of material

Tolerances: measurement of Projector transmitted light

Material thicknesses smallest hole tolerance

0.01 ± 0.02 mm	0.09 mm
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0.05 ± 0.02 mm	0.10 mm
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0.1 ± 0.02 mm	0.12 mm
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0.3 ± 0.05 mm	0.36 mm
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0.5 ± 0.05 mm	0.60 mm
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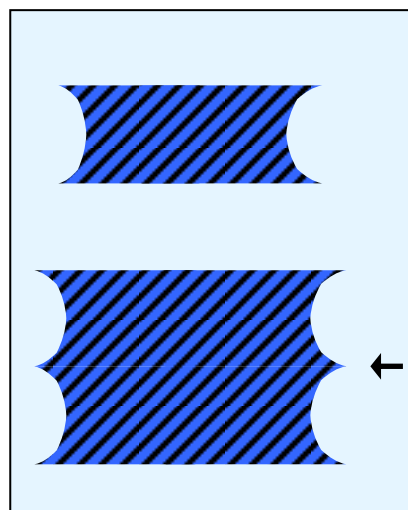
1.0 ± 0.10 mm	1.20 mm
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1.5 ± 0.15 mm	1.80 mm
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2.0 ± 0.20 mm	2.40 mm
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For aluminum approx. 16% of material thickness. DIN finely for measures without tolerance data.

Smaller tolerances on request.



We are able to consider corrections at your product at any time



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We produce for you etched products out of all marketable materials.

To start we need only a draft, a technical drawing or data. The specific advantages of this procedure allow the economical production of samples and prototypes as well as the efficient production of large series.

Fast and flexible performance of projects, perfect all over quality control is our standard as well as delivery in extreme short time.

Metal Etching (Chemical Milling) is a meaningful **extension** to the possibilities of the **stamping technology**.

Quality management

- Production to DIN EN ISO 9001:2015
- Zeiss two-coordinate measuring system

Manufacturing

- CHEMCUT&SCHMID etching machines
- BARCO – Tool – CAD – System
- DU PONT – Laminators, Printer
- Most modern job execution
- Products supply in plates, single parts, bent with asked surface
- usual metals of 0.01 – 2.0mm of thickness

Services

- individual customer advisory service
- customer designed development
- correct quality and
- reliability of your product

Etched Products

- products plates
 - as plates
 - single parts
 - bent
 - plated
 - samples
 - prototypes
 - small series
 - mass production
 - complex designs

Application

- electric engineering
- aerospace
- medical
- automotive engineering
- optical industry
- communication
- design products
- model
- prototyping