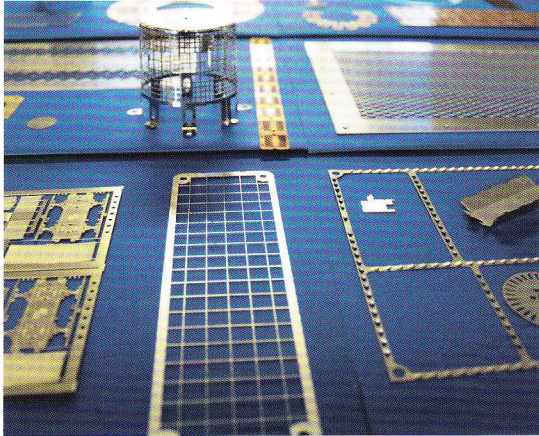




ÄTZTEC

PHOTO ETCHING made in Germany

We produce for you etched products out of all common metals.



According to your wishes we only need a draft, a technical drawing or your data for the production of your project. The process of photo etching is optimal for the economical production of samples and prototypes as well as the efficient production of serial products.

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 significant extension to the possibilities of the stamping technology.

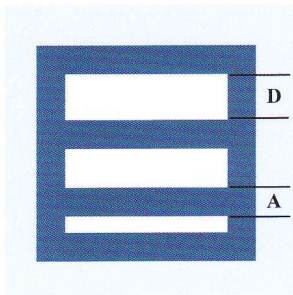


Etched products are flat, burr-free without tension and highly flexible.

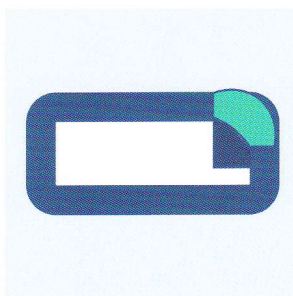
Photo-technical films are used also as tools for small series, therefore relatively high tool costs can be avoided.

Material and technical data:

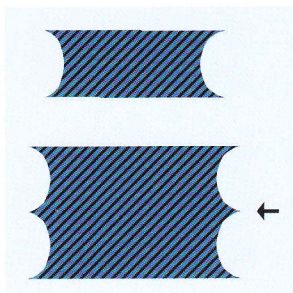
Smallest distance between openings to material thickness:
D-factor 1,20
A-factor 0,80



Radius standard =
Factor 0,5 x thickness of material



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



Material:

iron, steel, stainless steel, chrome, nickel, copper, zinc, tin, aluminium, copperberyllium and also alloys of these Metals.

Material thicknesses from:

0.01mm to 2.0mm

Dimensions:

2mm x 2mm
up to 600mm x 750mm (flat parts)

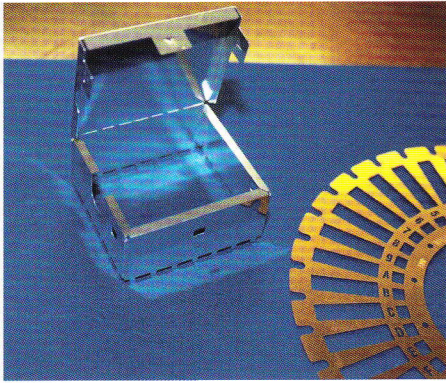
Volume:

1 to 10,000,000 pieces

Material thicknesses	tolerance	smallest hole
0.01 mm	± 0.02 mm	0.09 mm
0.05 mm	± 0.02 mm	0.10 mm
0.1 mm	± 0.02 mm	0.12 mm
0.3 mm	± 0.05 mm	0.36 mm
0.5 mm	± 0.05 mm	0.60 mm
1.0 mm	± 0.10 mm	1,20 mm
1.5 mm	± 0.15 mm	1.80 mm
2.0 mm	± 0.20 mm	2.40 mm

For aluminum approx. 16% of material thickness. DIN finely for measures without tolerance data. Smaller tolerances on request.

ETCHING

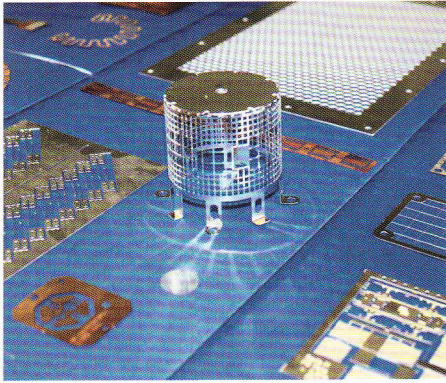


Quality management

- ◆ Production to DIN EN ISO 9001:2008
- ◆ Zeiss two-coordinate measuring system

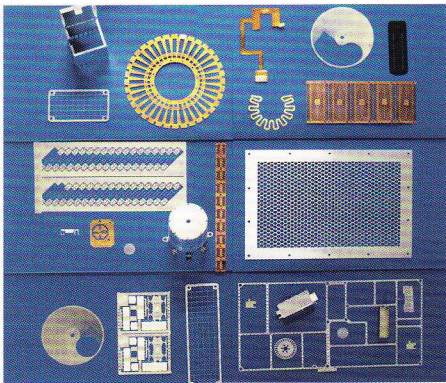
Manufacturing

- ◆ CHEMCUT etching machines
- ◆ CAD – System
- ◆ DU PONT – Laminators, Printers
- ◆ Most modern job execution
- ◆ Products in plates, single parts, bent with asked surface
- ◆ usual metals of 0.01 mm – 2.0 mm of thickness



Services

- ◆ individual customer advisory service
- ◆ customer designed development leads to the correct quality and reliability of your product



Etched Products

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

Application

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

precise
efficient
quick



ÄTZTEC





We are certified to standard
ISO 9001:2008



ÄTZTEC

Certificate

Standard **ISO 9001:2008**
Certificate Registr. No. 01 100 110155

TÜV Rheinland Cert GmbH certifies:

Certificate Holder:



Ätztec GmbH
Kraatzer Weg 1
D - 16775 Gransee

Scope:

design and manufacturing of chemical etched formed parts
using different kinds of metal including surface refinement and
bending as well as photo tools, measurement templates and
lettering stencils

An audit was performed, Report No. 110155, Proof has been
furnished that the requirements according to ISO 9001:2008
are fulfilled.
The due date for all future audits is 30-06 (dd.mm)

Validity:

The certificate is valid from 2011-07-12 until 2014-07-11.

2011-07-13

TÜV Rheinland Cert GmbH
Am Grauen Stein 51105 Köln



DGA-ZM-08-95-00

www.tuv.com

TÜVRheinland®
Precisely Right.

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E-Mail: info@aetztec.de

www.aetztec.com



YOU HAVE THE COMPANY.
WE HAVE THE RIGHT SOLUTIONS FOR POWER, GAS AND HEAT:

Further information can be obtained at the Berlin sales office, Rudower Chaussee 12, 12489 Berlin
phone: 030 206338-10, e-mail: Geschaeftskunden-Nord2@enviaM.de

VORWEG GEHEN