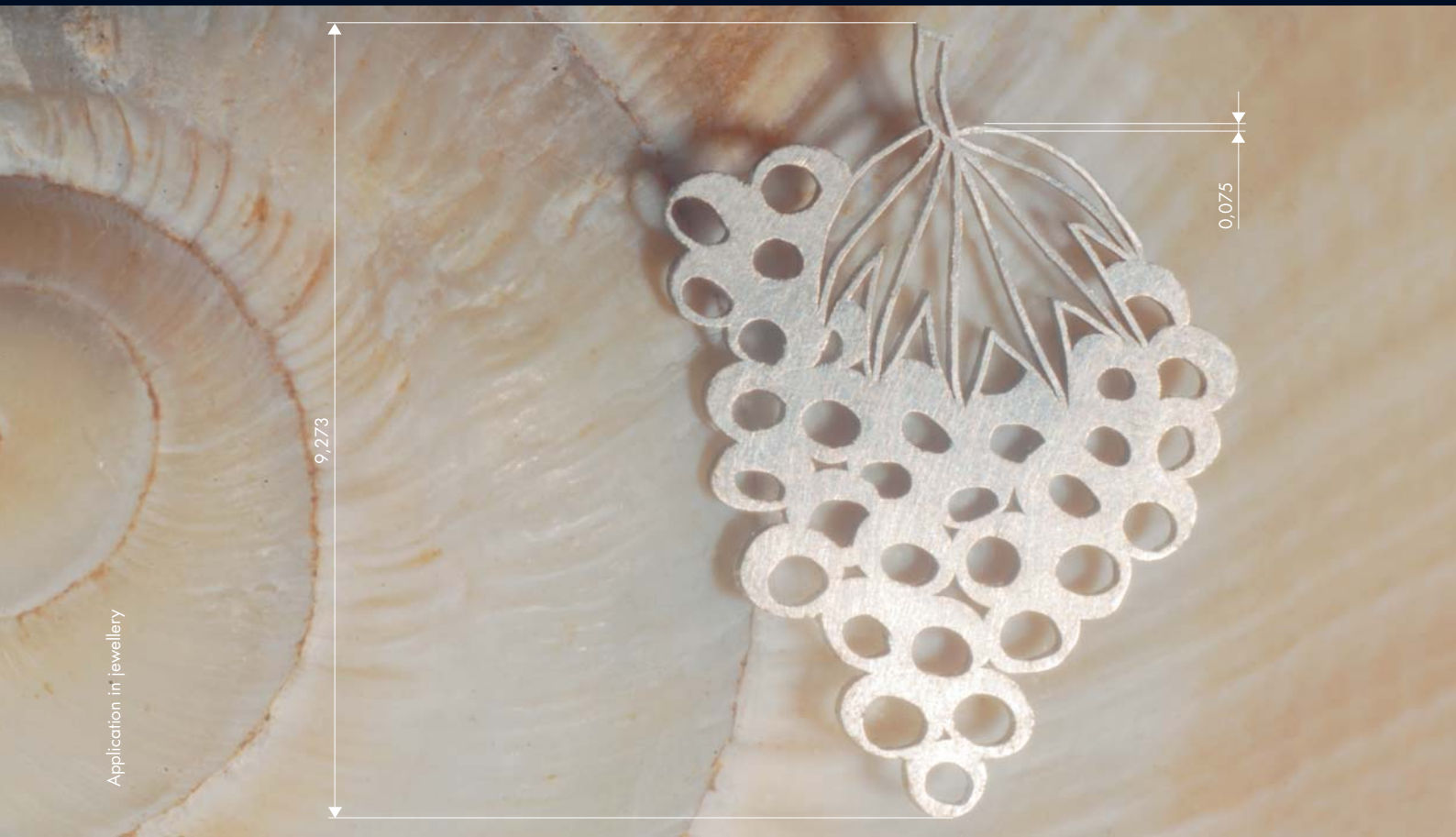


Nobody does it finer



Micro Components for the
Watch Industry and Finest
Jewellery Applications

From an Idea to Micro Components and Fine Pieces of Jewellery



The Manufacturing process



Micromotion GmbH specialises in the development and manufacture of microtechnical components and systems. Two innovation awards and numerous patents speak for themselves. We can also lay claim to having developed the world's smallest precision microgear. Now, we are making our know-how and patented manufacturing process for smallest components with hitherto unknown precision available to other business sectors.

The new design freedom can be applied to large-scale ideas and finest structures alike!

You provide the drafts – we produce the parts.

The procedure is explained in the pictures on the right. We turn your two-dimensional drawing into a CAD template, which is transferred onto a chrome mask. The two-dimensional mask structures are then implanted into a photoresist through "silhouette projection", resulting in three-dimensional negatives after processing. These are then galvanically formed into the finest metal parts.

Further information on this process can be found on our website: www.micromotion-gmbh.de.

Microtechnology for Maximum Innovation



Catch spring

The benefits – only the finest:

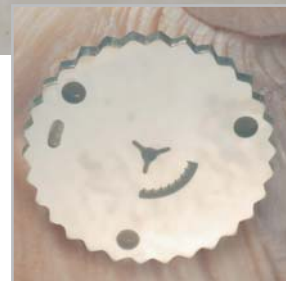
- Excellent materials yield
- Extremely small structural details
- Freeform
- Complex inside and outside contours
- Different production materials and coating types
- No tool impact
- Reflective surfaces

Typical processing applications:

- Materials: gold, silver, platinum, nickel, high-strength and non-magnetic nickel alloys
- Coating: gold, silver, platinum, palladium, rhodium
- Component heights: 0.1 mm to 1.0 mm,
- Smallest structures < 0.01 mm
- Economic batch sizes: 100 to 100,000

Typical applications:

- earrings, pendants, rings, bracelets, spectacle frames,
- mechanical watches



New Freedom for your Ideas



The advantages of precision microtechnology



Reflective surfaces



Excellent materials yield



Extremely small structural details



Freeform



No tool impact



Different materials
Different coatings



Complex inside and
outside contours



motion & more

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