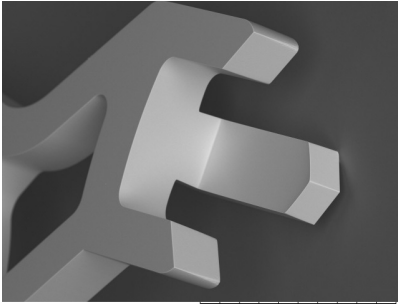


TM3000_0735 2014.09.16 12:14 H D10.6 x400 200 um

Detail of escape-wheel



TM3000_0935 2015.10.28 17:29 H D11.2 x200 500 um

Detail of Lever

Silicon Microparts :

Watch Components

Silicon Microparts

Sercalo offers etching services for Silicon Microparts. Typical applications are found in watches.

Sercalo's long experience in etching optically flat surfaces is the technological base for producing parts with better precision and unmatched surface quality.

Minimum feature size can be as low as 5 um with an aspect ratio up to 50, i.e. parts can be made out of structures with 3 um wide and 150 um tall beams.

Typically the parts are made out of 1 or 2 layers.

Structure height is typically between 100 um up to 400 um.

APPLICATIONS

- *Lever*
- *Escape-Wheel*
- *Silicon HairSpring*

FEATURES

- precision < 1 um
- vertical walls
- up to 400 um thick
- surface treatments

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