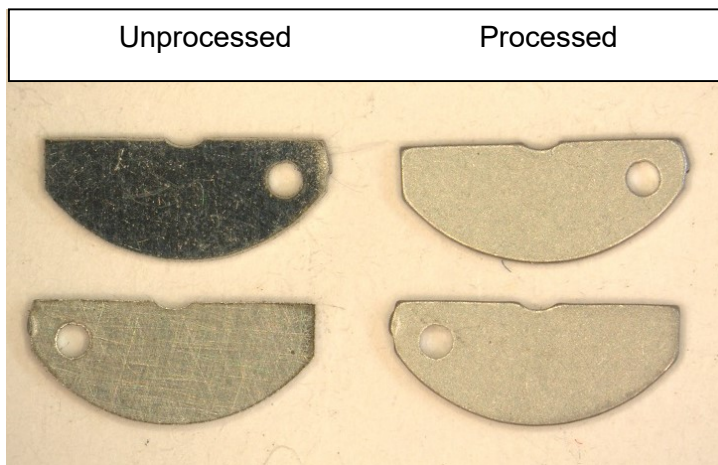


## FOCUS ON APPLICATIONS

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*PRECISE, EFFECTIVE SURFACE PROCESSING*

### THE SPECIAL REQUIREMENTS OF LASER CUT PARTS



*Examples Laser cut parts*

Laser cut parts are used in many industries, from jewellery to automotive, electrical and optical engineering. Once manufactured, their edges are slightly burred, and the parts often suffer from unsightly discolouration. Much of the time, these defects are removed by hand, which is time-consuming and costly.

The challenge is almost always the same: how to deburr and polish extremely thin parts – i.e. less than 0.4 mm thick and usually made of stainless steel – without changing their geometry.

But also, during processing, how to prevent the parts from chafing against each other, or from getting wedged in the container or stuck in the gap.

#### **Many requirements. One expert solution.**

Back in 1997, OTEC launched two innovations that revolutionised mass finishing in the jewellery business:

- ✓ Zero gap – fast, reliable wet processing for fine workpieces.
- ✓ Dry processing with a 0.05 mm ceramic gap – for a superbly polished finish using extra-fine abrasive.

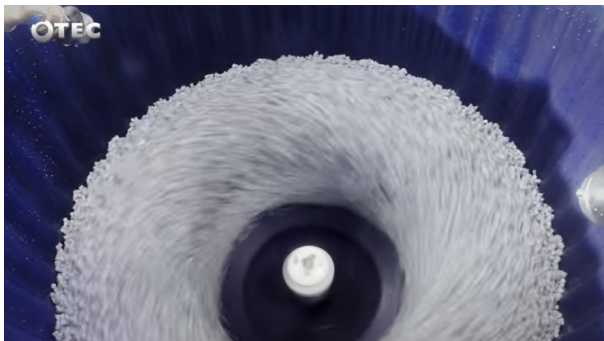
Both of these innovations enable cost-effective, rapid and effective processing for delicate laser cut parts.

## FOCUS ON APPLICATIONS

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### **The OTEC CF Series: rapid mass finishing for very fine workpieces**

Workpieces are processed in an open container that has a disc-shaped floor with a rotary bearing. They are added to the fixed container along with a suitable grinding or polishing granulate. When the disc turns, the contents are set in motion in a toroidal flow.



*Centrifuging the granulate and workpieces makes this process highly intensive – up to twenty times more effective than conventional vibrators, for example.*

OTEC's machine technology draws on years of development expertise. Our container with zero gap system is one such example, making it possible to process very thin workpieces (< 0.4 mm) without jamming the machine. So these machine models are especially suitable for deburring, edge-rounding and polishing delicate workpieces such as laser cut parts.



The CF Series disc finishing machine is available with up to three containers, which means it can handle up to three processing steps in parallel. It also comes with various manual and automatic post-processing options for separating the abrasive from the workpieces.



## FOCUS ON APPLICATIONS

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**For comprehensive information on the OTEC CF Series**  
(technology, models, accessories and downloadable brochures)

[click here >>](#)

**For YouTube videos of the CF Series, click here:**

[https://www.youtube.com/watch?time\\_continue=1&v=f5Yu9V3\\_LXM](https://www.youtube.com/watch?time_continue=1&v=f5Yu9V3_LXM)

➤ To browse all our videos on OTEC's YouTube channel, go to:

<https://www.youtube.com/user/OtecGmbH/videos>

### About OTEC Präzisionsfinish

OTEC GmbH Präzisionsfinish provides precision technology for achieving perfect surfaces. OTEC machines are used for smoothing, precision edge-rounding, polishing and deburring a wide variety of workpieces, with the aim of improving surface quality. With a network of international business partners, OTEC has a global presence. OTEC's comprehensive, market-leading technical expertise in developing the perfect interplay of machine and abrasive benefits a wide range of industries including tooling, medical devices, jewellery, and automotive and aerospace.

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