

## FOCUS ON APPLICATIONS

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*GENTLE AND EFFECTIVE PRECISION SURFACE FINISH*

### **BEST FITTING ACCURACY WITH OTEC $\mu$ PRECISIONFINISH!**

Hearing impairment affects the whole of life. There are physical as well as social and psychological consequences. The first hearing aids were already available in the 19th century - they were simple funnels that were held to the affected ear and bundled sound waves.

#### **Each auricle is unique**



*Otoplastic after processing*

Today's hearing aids usually disappear almost invisibly in or behind the ear. A good, individually made earmould - also called otoplastics - ensures that the hearing aid fits absolutely securely and almost invisibly in the auditory canal and is by no means perceived as disturbing by the wearer. The earmoulds are manufactured individually for each patient either in additive manufacturing processes or by machining. The roughness caused by the manufacturing process makes a smoothing after-treatment of the earmoulds necessary.

#### **Gently and effectively with disc finishing machines**

A gentle and effective surface treatment is necessary to prevent the otoplastics from being damaged during post-treatment and to maintain the geometry precisely. Often it is not possible to do completely without manual processing as a preliminary stage for mechanical post-treatment, because internal geometries are sometimes difficult to achieve with automated processes. Effective machining in the OTEC disc finishing machine reduces manual pre- or post-machining to an absolute minimum. This saves time!

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*CF series standard*

Depending on the number of parts and the initial condition, it is possible to vary between different machines, process equipment and running times. The average machining time is 1 - 2 hours per process step. Depending on the machine, larger quantities can also be processed simultaneously.

The OTEC CF series is the best choice for small series up to series production. For the manufacturer, the conversion of the process to automatic post-treatment increases efficiency. An optional coating can still be applied depending on the desired optical result, but is not a must for appearance, fit and wearing comfort.

### **About OTEC Präzisionsfinish**

OTEC Präzisionsfinish GmbH offers precision technology for the production of perfect surfaces. Machines from OTEC for smoothing, precise edge rounding, polishing and deburring are used for economical surface finishing of a wide variety of workpieces. With a network of international trading partners, OTEC is represented worldwide and close to its customers. A wide variety of industries such as the tool industry, automotive industry, aerospace industry, medical technology as well as the watch and jewellery industry benefit from OTEC's comprehensive know-how in the development of the perfect interplay of machine and process equipment.

### **Press Contact**

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