



**Parmaco**  
Metal Injection Molding AG

## MIM components for medical technology

### Field of Application:

The otoscope is a device which is used to examine the ear canal and the ear drum in the emergency room and by an ENT specialist. Nowadays, it has many additional functions and therefore a complex structure. Small weight and simple, safe handling are some of the most important requisites.

### MIM components for medical technology:

Regardless of the constant enhancement by new functions, the devices should always become smaller and lighter. This means that the manufacturing of the individual components becomes more time-consuming and thus more expensive. In order to keep the prices low despite their constantly increasing complexity, one should integrate the MIM suppliers in the development phase as soon as possible. This allows one to extract the optimum between raw material and process, which also includes the production efficiency.

### MIM materials:

The connector piece shown here is produced using the alloy Parmaco-316L, which fulfills all the requirements for medical technology and is therefore frequently used.

### Part Specifications:

- Material: 316L
- Weight: 17.20g
- Surface Roughness: Ra 1.4
- Size:  $\varnothing 21 \times 22$  mm
- Annual quantity: 5'000 pieces
- Post-processing: not necessary

