

## **Research and development**

The key for sustainable development in SIBO G is the quick response to our customer's desire from the initial idea to the final product. We are aware that successful team work (TEAM – Together Ever Achieve More) is as important as the development of product.

The concept of a new product is formed through new ideas, based on marketing and technological possibilities. The functional, technical, aesthetical and useful characteristics of a new product are firstly defined from a technological point of view.

We gradually generate (from the initial idea on paper and through "brainstorming") a CAD model and the technical documentation of the product in 3D modelling ProENGINEER. We use new age prototype technology, where with a simple click on a certain icon the product can be revealed.

There are 4 different pilot molds, made specially for the requirements of packaging:

- Caps 18 mm - 50 mm diameter,
- Shoulders 18 mm - 50 mm diameter,
- Flip tops 15 mm - 50 mm diameter,
- Containers(pharmacy) volume 15 ml - 200 ml.

### **Commercial packaging**

Easily opening system on a tooth paste tube.

A sponge applicator for the easy application of shoe polish cream or gel from the product's tube.

The cap ONE KEY GIN is made from 4 different parts and together with the bottle makes a perfectly designed packaging for the alcohol drink GIN. This packaging has won a golden award at the world famous design competition Pentawards.

### **Pharmaceutical packaging**

The child resistant cap is designed and made to prevent opening the cap by children under 5 years old. At the same time it has to allow opening by older people.

We have signed up at the institution of FDA (Food and Drug Administration) for the DMF (Drug Master File). The packaging has been analysed on the basis protocol of the USP (United States Pharmacopeia).

We have gained the certificate US 16 CFR SS 1700.20 for a child resistant package under the PPPA (Poison Prevention Packaging Act).

### **New ideas - Space cap**

SPACE CAP is a product which is completely resulting SIBO's R&D work. It is a cap with container in which different kinds of drinking powder can be stored. Storing the powder inside the cap keeps it fresh until the moment it is released into the bottle. you can see the movie on <http://www.youtube.com/watch?v=AbsEfvmelTY>