



# Lifedrops gum – fantastic Chios mastic

Bosch has been chosen as the sole supplier of a complete processing and packaging line for Lifedrops chewing gum. Manufactured by Sarantis, on the famous Greek island of Chios, this new product makes use of island's most famous export – mastic or mastic.

Mastic is a type of resin produced by the mastic tree. As a result of the special combination of climate and soil, the Chios mastic will not grow anywhere else in the world. The importance of this unique product made Chios a target for various conquerors in ancient times and its beneficial properties have been proven to lower cholesterol, prevent ulcers and ease blood pressure.

### Three Lifedrop varieties

Sarantis' new Lifedrops chewing gum has all the therapeutic qualities of mastic and is offered in three varieties: Regular, Sugar Free and Dental.

The Lifedrop itself is composed of a core of the famous Chios mastic gum, coated with a sugar, or sugar-free, shell. Cutting edge production technology and know how, combined with the utmost respect for tradition, gives Lifedrops a uniquely smooth and brilliantly fresh taste.

### A three-step process

In choosing a new processing and packaging line for the new gum, Sarantis had to select components to handle the ingredient preparation, right the way through to the final packaging. Two package types were chosen: blister packs in small boxes containing several units and, as a variant, a flow-pack.

The production process first sees the ingredients for the core being warmed up and mixed together in order to obtain the basic gum. While it is still warm, the gum is continuously shaped into a sheet, by means of a forming extruder. The rolling and scoring mill then gives the final pellet shape to the core.

After cooling and maturation the cores are coated and polished in drums. Finally, in the third step, the finished Lifedrops are collected and automatically put into a blister pack before being placed in

small boxes or packed in a flow pack.

### The Bosch solution

Although manufactured in three countries, the machines came from one supplier, as requested by Sarantis. The three main steps of the process, product preparation & forming, coating and final packaging, are all covered by Bosch equipment. Bosch Togum supplied all the



Sealing Station TLT



machines necessary to prepare the gum and to shape the core. Bosch US manufactured all the coating equipment and finally Bosch Waiblingen provided the blister and the cartoning machines. Additionally, Bosch Viersen supplied the flow pack machine.

Within the Bosch group all the parts of the project were managed from one centre for perfect coordination and a shorter

delivery time, with the guarantee of genuine Bosch quality throughout the complete line. Bosch Togum, with the help of the Greek agency Cocali was the sole contact partner of Sarantis, considerably simplifying the after sales follow up for the customer.

**A long-term partnership**

Today, Sarantis is producing the unique

- 1 Exchange of scoring rollers on the R&S Line (Quick Change System)
- 2 Rolling & Scoring Line with Extruder and manual stacking device





Production of the unique Chios mastic

Lifedrops gum only nine months after the product's inception. The future is looking bright for Sarantis with production taking place on high quality, reliable machines and an after sales service of the highest order assured by Bosch.

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