



## DUST EXTRACTION ON A PACKAGING LINE FOR SUGAR COATED CANDY

### PRODUCT

|                           |  |
|---------------------------|--|
| <b>Product:</b>           | Gold Series X-Flo dust collector           |
| <b>Model:</b>             | 5 x GSX02                                  |
| <b>Air volume:</b>        | 2,000 m <sup>3</sup> /h per unit           |
| <b>Options:</b>           | Low Boy dust bin, flameless explosion vent |
| <b>Application:</b>       | Candy packaging                            |
| <b>Customer:</b>          | Snack manufacturer, Turkey                 |
| <b>Installation date:</b> | September 2020                             |

### INITIAL SITUATION

Our customer is one of the largest snack food manufactures operating in 150 countries with many well known product brands. During 2020 they have made a large investment to expand the production facility and capabilities in Turkey. In his facility the customer produces soft gummy sweet sugar coated candy and the customer required an efficient and reliable dust extraction solution for a new packaging line.

### CHALLENGES

- Sugar is quite a challenging dust to handle due to its characteristics:
- It is explosive - so it needs explosion protection and venting equipment
  - Unit located inside so explosion venting needed to be safe and in line with ATEX directive
  - It is sticky and abrasive - so it needs a durable filter solution
  - Installation space in the production area was limited so the extraction solution needed to be compact



## SOLUTION

Camfil Gold Series X-Flo was selected as the optimum solution due to various factors:

- Modular and compact space saving design - able to install indoors
- Low Boy dust discharge design - easy accessible and to maintain (reduced overall height of GS unit to 3.5m)
- ATEX compliance - safe flameless venting inside the building
- Baffle inlet - protects the cartridges against direct abrasion
- Gold Cone cartridge Dura-Pleat DPA antistatic media - durability and compliant for ATEX to deal with the potentially explosive dust and also release sticky dusts
- Reliability & easy to operate & maintain

## CUSTOMER BENEFITS

The recommended extraction solution with the Gold Series dust collectors fully met with the customers requirements:

- Compact space saving extraction system which is easy to maintain
- ATEX compliance
- Improved indoor air quality & clean production facility to meet occupational health safety requirements
- Reduced annual operational costs approximately 20%
- Smooth & reliable operation



For detailed information about this project please contact: [europe.apc@camfil.com](mailto:europe.apc@camfil.com) or find your local contact on [www.camfil.com/en/support-and-services/support/contact-locator](http://www.camfil.com/en/support-and-services/support/contact-locator).

Food & Beverage process information:  
<https://camfilapc.com/gb/applications/food-beverage/>

Gold Series X-Flo product information:  
<https://camfilapc.com/gb/products/dust-fume/x-flo-industrial-dust-collector/>

## THE HIGH EFFICIENCY OF PLEATED MEDIA AND THE VERSATILITY OF SYNTHETIC MATERIALS



Dura-Pleat filter cartridges are made with 100% spunbond polyester media in a pleated design. This combines the advantages of high efficiency pleated media and the versatility of synthetic materials.

In this case the Dura-Pleat Gold Series Gold Cone was used due to its durable media type to handle the abrasive dust and also combined with anti-static properties to reduce the risk of explosion and compliance with the ATEX directive.