



Sævar Gardarsson

## X-ray FAQ

### **1. Does the radiation of products scanned by SensorX affect the health of the consumer?**

*Answer:* No. According to WHO, FAO and IAEA, radiation dosage of food should not exceed 0.2- 10 kGy (200 - 10.000 Gray), depending on food material.

The radiation dosage applied to the product going through the SensorX is around 0,002 Gray which is 100.000 times lower than the lower limit according mentioned above.

### **2. Is bacteria on product killed during scanning with the SensorX?**

*Answer:* No. The radiation is not powerful enough to affect bacteria on the product.

### **3. Do people standing near the SensorX have to wear radiation protection?**

*Answer:* No. The radiation outside of the SensorX is according to strictest regulations regarding radiation safety. Radiation outside of the unit is similar to radiation found in the nature.

### **4. Is radioactive material inside the SensorX?**

*Answer:* No. The radiation inside the unit is generated by a x-ray tube which inhibits radiation when turned off.

### **5. Do I need a permit to use the SensorX?**

*Answer:* Generally yes. This is different from country to country. Please contact the radiation authorities in your country or the Marel consulting centre.

### **6. May I fasten a cable ladder on to the SensorX by drilling holes in the SensorX for bolts?**

*Answer:* No. The SensorX has radiation shilding and no modifications on the machine may be performed.