



## Wishing our Customers and Suppliers Worldwide *Happy & Successful 2018*

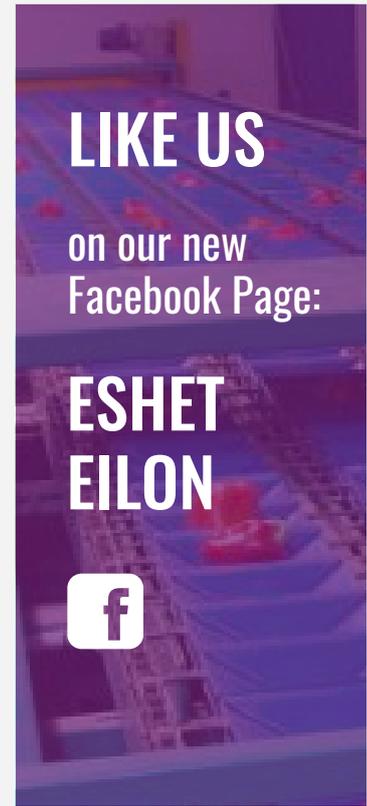
### **THE ANANAS BOOM: AS DEMAND FOR PINEAPPLE RISES - FARMERS ARE LOOKING FOR NEW TECHNOLOGIES**

Fresh Pineapples have seen a significant increase in demand and popularity around the world.

**In the U.S, the consumption per capita jumped from 3.2 pounds in 2000 to 6.9 in 2015.**



Pineapples are tough to handle due to their unique shape. Growers spend too many hours dealing with this unusual fruit due to the crown shaped leaves on its edge. Eshet Eilon's system consists of special cups custom-made for pineapple, saving hours due to its ability to avoid pack box overweight. The system can sort pineapples by diameter, color, and the shape of the crown with its advanced optical system.



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## THE SWEETEST YEARS OF THE SWEET POTATO

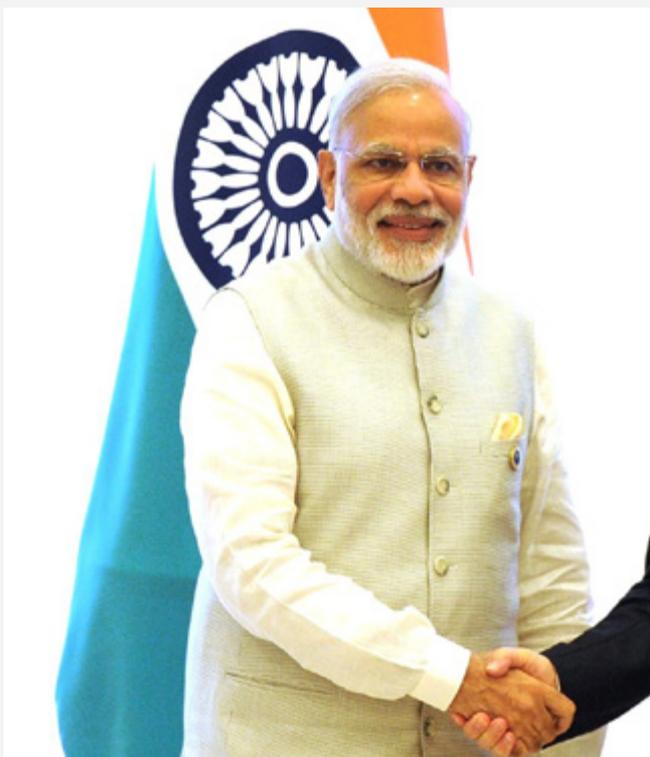
The delicious vegetable we all know - sweet potato (Batata), has seen an increase in popularity in the last few years. The import of sweet potato almost tripled itself in just four years in Europe (from 81,000 tons in 2012 to 229,000 tons in 2016).

Sweet potato is a complex and delicate product to handle. Eshet Eilon developed a system with special equipment that can handle this special product. The system contains special cup-graders, equipped with Eshet Optica Vision system for sizing.

The system includes the following systems - grading system by size and weight, washing system that includes hot water disinfection, hot



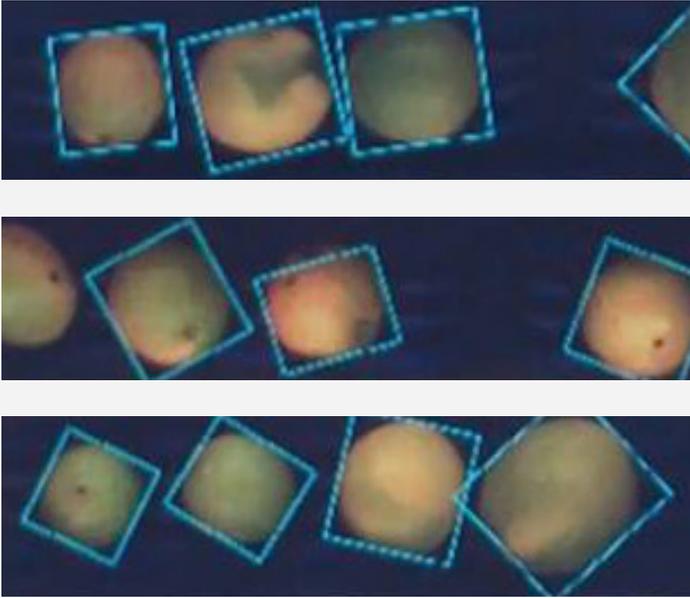
drayer and quality sorting and packing systems. All of these factors will make sure you get the best products in the market while saving working hours.



## ESHET EILON'S NIR TECHNOLOGY PRESENTED TO INDIAN PRIME MINISTER: NARENDRA MODI

Eshet Eilon works closely with top scientists at the Volcani Institute and the Institute of Agricultural Engineering of Israel's Ministry of Agriculture.

Together the company and the Volcani Institute have launched the NIR system for sorting fruits according to their internal qualities.



## DON'T DISAPPOINT YOUR CUSTOMERS: USE ESHET EILON'S ADVANCED OPTICA SYSTEM

Eshet Optica is a system that combines advanced optical sensor and cameras that sort the food by geometric parameters, color, texture and visual defects.

The system separates fruits with odd shapes, irregular color, color spread, fruits that look rougher than normal fruits, and visual defects based on their size, color, quantity and shape. This will make sure that only your best products will be sent to customers - while saving work hours.

## THE SORTING MACHINE MARKET WILL GROW BY 44% UNTIL 2021

A new study by Technavio predicts that the sorting machine market will grow from \$1.24 billion in 2016 to \$1.78 billion in 2021.

The Food Sorting sector is expected to maintain its dominant position - and rise to the share of 82% of the market.

Technavio's analysts highlight the following three market drivers that are contributing to the growth of the global sorting equipment market:

- > Growing concerns about food quality
- > Awareness about the benefits of automation
- > Stringent regulatory standards

Eshet Eilon's advanced sorting systems will enable you to become a leader in your industry.



JANUARY 2018



## A TECHNOLOGY USED FOR ASTRO-PHYSICS IS NOW BRINGING US THE BEST FRUITS TO THE DISH

Eshet Eilon works closely with top scientists at the Volcani Institute and the Institute of Agricultural Engineering of Israel's Ministry of Agriculture.

Together the company and the Volcani Institute have launched the NIR system for sorting fruits according to their internal qualities.

**What's NIR? - Near-InfraRed systems. These systems use special wave-lengths that allow the system to penetrate farther into an object, and get its chemical properties.**

## GROWING FRUITS OR VEGETABLES? HERE IS THE TECHNOLOGY THAT WILL SAVE YOU HOURS EVERY DAY & MILLIONS EVERY YEAR

Eshet Eilon brings the latest technology to the post-harvest industry - grading, weighting, washing and packing all kinds of agricultural product - from fruits as small as lychees or as big as watermelons. All at the touch of a button.

This system grades your products by size, weight, color and visual defects, combining an advanced optical system with weighting features - all at a high speed. It can be customized to your needs and language.

This method can be used to study the atmospheres of stars in astrophysics or to determine the quality of a fruit.

NIR can be used in many applications and its popularity is growing every day. Using this kind of technology is perfect for agricultural purposes. It can determine the quality of a fruit or a vegetable with high accuracy.

NIR meet a lot of critical criterial properties in agriculture - accurate, reliable, rapid, non-destructive and inexpensive. Don't stay behind - get our advanced NIR and get the best products with less money.



## SO WHO WILL BE THE LAST SURVIVOR?... THESE FRUITS HAVE THE LONGEST STORAGE LIFE

Some products have very short storage life while others have longer storage life.

For instance:

Sour cherries have storage life period of 3-7 days in optimal conditions, corn have 5-8 days and firm-ripe tomatoes have 4-7 days. On the other hand

Lime can last between 6-8 weeks, pumpkins can last 2-3 months and kiwi fruit can last 3-5 months.



**The top 3 products are:**

### **3rd place: Carrots.**

While kept in 0 degrees Celsius and in 90-95 percent humidity - their storage life goes from 7 to 9 months.

### **2nd place: Dry Beans.**

While kept between four to ten degrees and in 40-50 percent humidity - their storage life goes from 6-10 months.

### **And the winner is : APPLES!**

Apples can have a storage life of up to a YEAR while kept between 1-4 degrees and in 90-95% humidity.

Remember - the storage life of each product can vary according to the product's initial condition.

So, make sure you get only the best products you can with the help of Eshet Eilons' systems.

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