

Chewing Gum Inspection



Automatically measure the dimensions of your chewing gum using an advanced JLI vision inspection system

When packing chewing gums, the dimensions of each gum must be within certain tolerances. The Vision System measures 3 dimensions: Length, Width and Thickness. This system measures the dimensions of chewing gum as the size of the smallest rectangular square containing the chewing gum. Banana shape, and other irregularities are detected.

The two camera system is installed with 2 Light Sources one pr. camera. A vibration feeder mechanism and a conveyor separates and positions the gums on a round glass table. The glass table is constantly rotating.

The top camera is positioned above the chewing gum. Pictures from this camera are used to calculate length and width. The thickness is based on pictures taken by the side camera.

Features

- High speed production control
- High resolution cameras and telecentric lenses
- Uniform measurement
- Non-intrusive measurement
- Automatic report generation

General

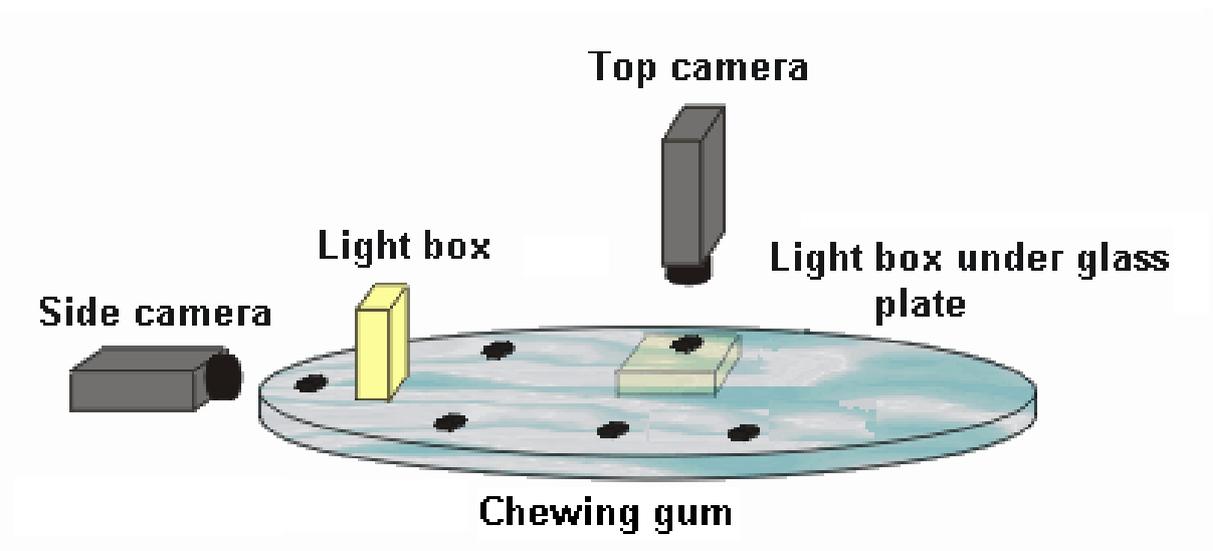
Capacity:	1 gum/second
Cameras:	2 high resolution CCD
Gum size:	Up to 30 mm (more on request)
Operating temperatures:	+5° C to +30 C
Humidity:	20-80% non condensing
Power:	110V, 60Hz or 230V, 50Hz
Lamp life:	> 3 years
Computer:	Industrial vision PC's
Monitor:	21" flat screen
Dimensions: W x H x D	On request

Measurements

Length, Width, Thickness	Accuracy < 1µm
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Interface

Vision input/output:	Network connection. SPC report.
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General setup for chewing gum inspection

Company Profile



JLI vision a/s develops, designs and manufactures dedicated turnkey vision systems for the international industry.

With more than 27 years of experience, JLI is among the oldest companies in the computer vision field. Our customers include well known international companies. JLI works in many different industries ranging from food processing to material handling, glass, steelworks, pharmaceutical, plastics and packaging.