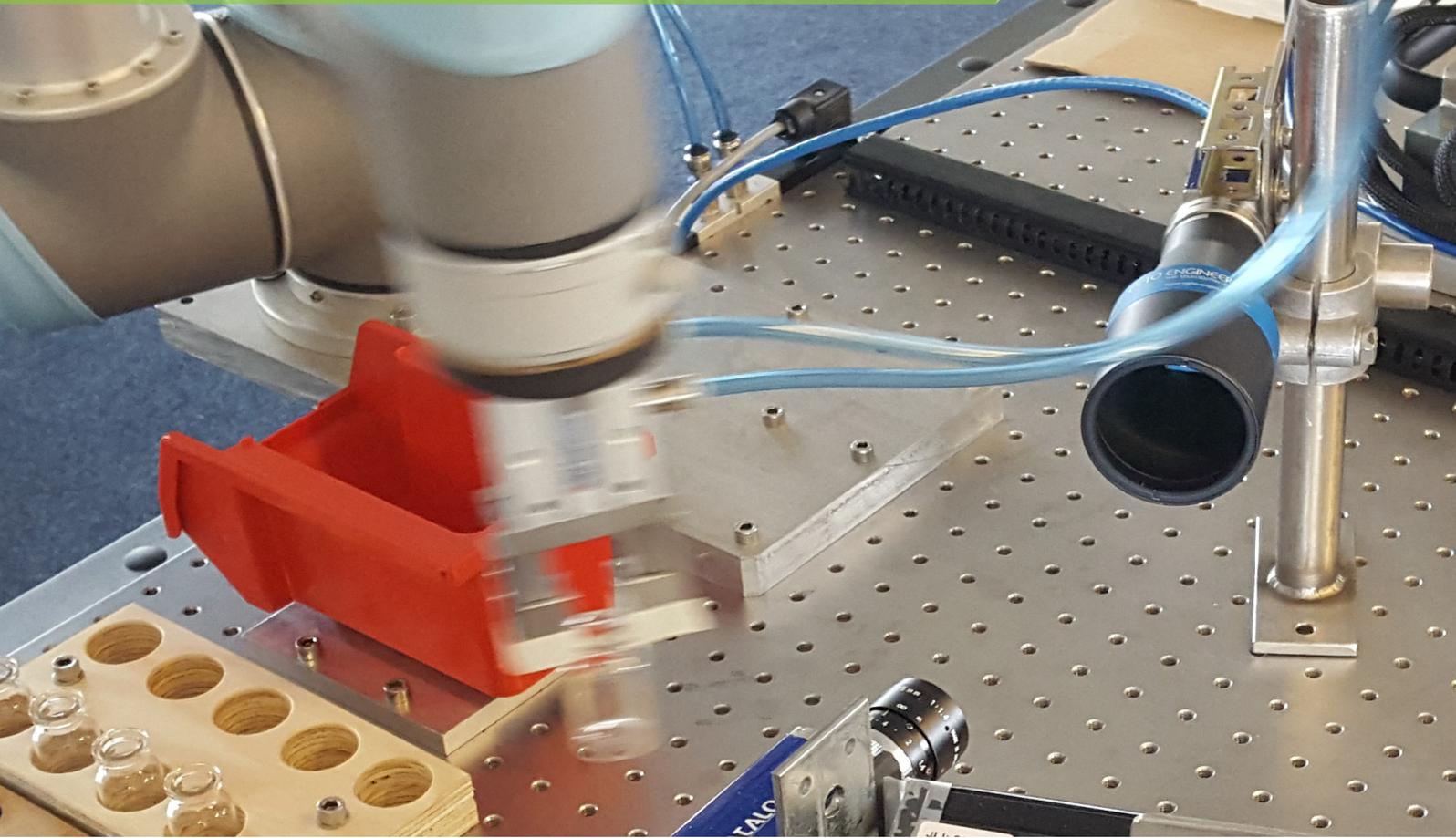


Robot Sampling Station



The Robot Sampling Station is customizable and capable of inspecting a wide range of different products

The JLI Robot Sampling Station (RSS) is an ideal tool for any production where highly precise measurements are critical or regular sampling of the production is needed. It typically replaces manual human inspection. The RSS system is compact and based on a Universal Robot. It can be customized for most products by changing the gripper. The heart of the RSS is an advanced Datalogic vision inspection system which can be adapted to the given product. The RSS system can perform a number of dimensional measurement on the entire product including looking inside hollow products using a boroscope. For products where the surface quality is essential, the system can be delivered to inspect for scratches, dents or other types of impurities.

As a sampling station the system can be used as a tool, when adjusting the production to a new type of product or quick job changes.

The measurements can be presented in a report and will contain statistical data.

Features

- Standalone unit with compact design
- High dimensional accuracy
- Advanced surface inspection
- Based on Universal Robot and Datalogic vision system
- Replaces manual human inspection
- Statistical report of measurements
- Very intuitive HMI - Easy setup for new product

General

Inspection time:	Approx. 10 s/product
Camera(s):	High resolution matrix/linescan or smartcamera
Product size:	(available on request)
Operating temperatures:	+5° C - 45° C
Humidity:	20-80% non condensing
Power:	110V, 60Hz or 230V, 50Hz
Lens:	Often special optics is applied
Vision System:	Datalogic
Monitor:	21" flat screen
Lamp life:	+ 3 years
Dimensions: W x H x D	1.5 x 1.5 x 1 m

Measurements

Dimensions	Length/Height/Width/Diameter Tilt/Angle Typical accuracy > 10µm
Surface	Scratch/Impurities/Dents Accuracy > On request

Interface

Vision input/output:	Data export via RS-232, Ethernet or USB.
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Close-up of typical vision system

Company Profile



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

With more than 30 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.