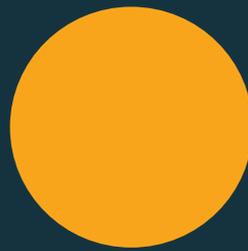


Just perfect

Packaging

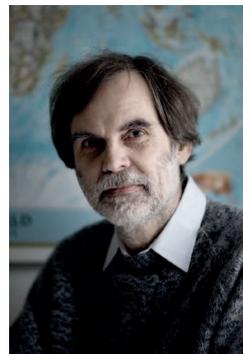


**JLIVISION**  
Just perfect

# Leave nothing to coincidence

**Our Vision: To continuously explore and develop the possibilities of industrial machine vision with regard to our customers product quality and production efficiency. Finally, to be a leading supplier of advanced and tailor-made vision systems worldwide.**

**Jørgen Læssøe, President:** JLI was founded in 1985 and is solely involved in the development, manufacturing and installation of machine vision systems for industry and laboratories. JLI systems are delivered as turnkey systems with a functional guarantee at a fixed price. JLI's vision systems give you reliable and flexible production control that secures your quality control many years into the future. We think you should choose JLI as your supplier because:



- JLI is independent and able to choose the best hardware for your specific application
- JLI works in many different industries ranging from medical device to glassworks and steelworks
- JLI has solved highly complex quality control tasks for companies worldwide
- JLI takes over when everyone else fails and we get the job done.



ADVANCED VISION SYSTEMS

## 5 REASONS TO CHOOSE JLI

Whether you manufacture medical devices, glass or steel products the main focus/concern when choosing a vision system supplier is more or less the same. Here are just a few of the main reasons why you as manufacturer should select JLI as your supplier.

### 1. Go safe

Sleep well knowing that JLI is one of the oldest machine vision suppliers in the world and will be around for many years to come. We are financially stable and profitable.

### 2. Go with the experts

We have solved numerous applications in the past 27 years and have explicit knowledge about complex vision techniques that work in real-life.

### 3. Get good service

All JLI systems are made to specifications, and there is a money back guarantee. We commit to making everything work to your expectations. Service and support is our trademark.

### 4. Need validation

All JLI systems are made within budget and to the agreed standard. We have our own QMS based on GAMP. We are able to deliver all the necessary validation documentation you require.

### 5. Get a full solution

JLI's services extend to much more than delivering a good vision system. JLI can assist you in everything from setting up initial requirements to defining a maintenance plan to keep your system running for many years.

JUST PERFECT

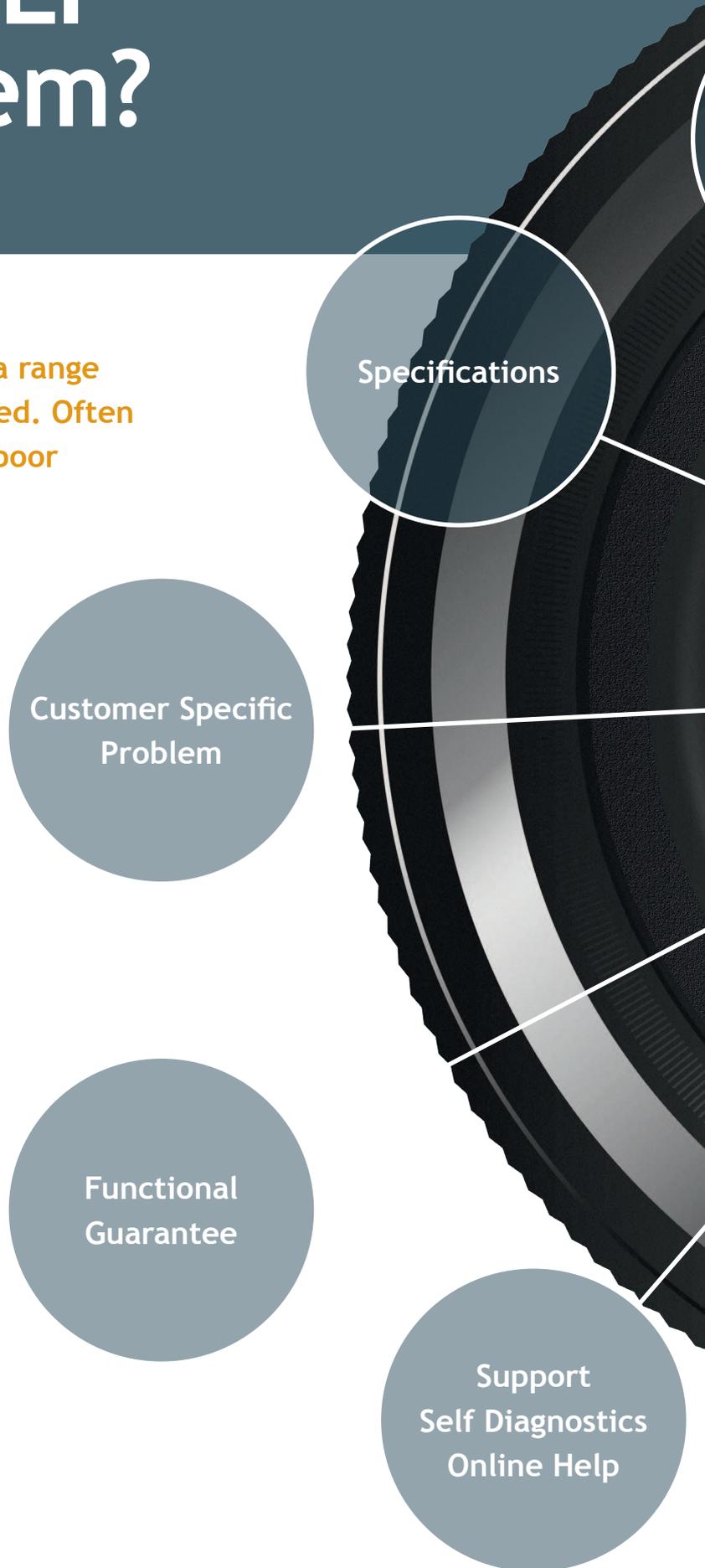
# What is a JLI vision system?

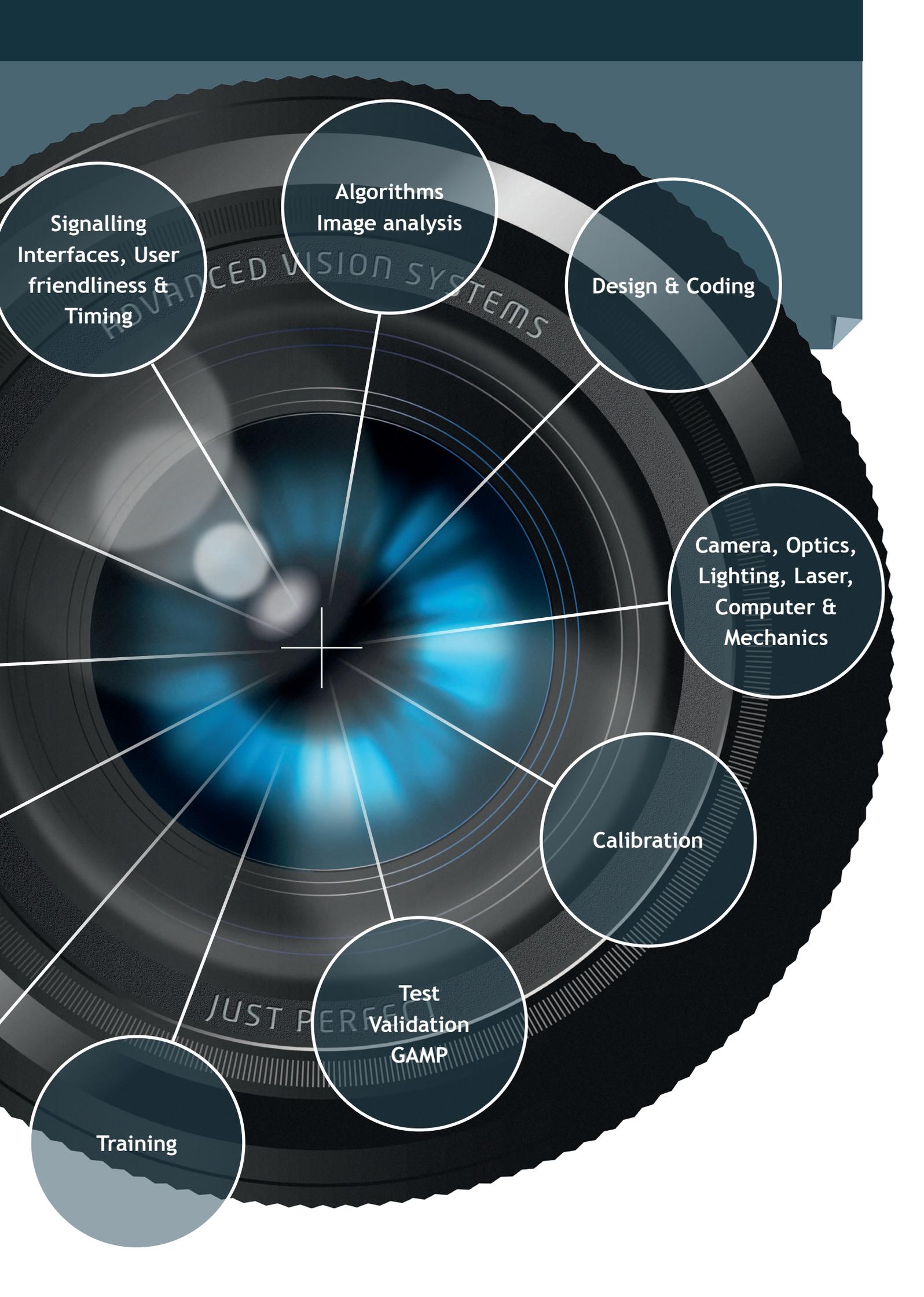
For a vision system to be successful a range of basic properties must be considered. Often some are forgotten which results in poor quality and lack in robustness.

Any new JLI project or application starts with a thorough analysis and description of the functionality we believe is necessary for successful integration and performance over the entire lifetime of a system.

Some of the most important properties that need to be considered are listed here. Failing to perform well within all of them will result in lower quality of your vision system. Therefore we take pride in mastering **ALL** of them, so we can make sure that you as a customer get the very best. Remember that “a chain is only as strong as its weakest link”.

At JLI vision we also benefit from working in many industries. We have explicit knowledge about production and how to make your vision system work in exactly your environment, regardless how challenging it may be.





Signalling  
Interfaces, User  
friendliness &  
Timing

Algorithms  
Image analysis

Design & Coding

Camera, Optics,  
Lighting, Laser,  
Computer &  
Mechanics

Calibration

Test  
Validation  
GAMP

Training

# Just perfect

## Advanced turnkey vision solutions

# Packaging Inspection Systems

Custom designed turnkey solutions for measuring dimensions, shapes, surface defects, print, color and sorting many different products etc.

The systems cover a wide range of production processes and industries. All equipment is designed for the actual environment, and can withstand the tough conditions at most production facilities. This means extraordinary reliability, fail-safe operation and may include high speed and superior accuracy.

### Features/Benefits:

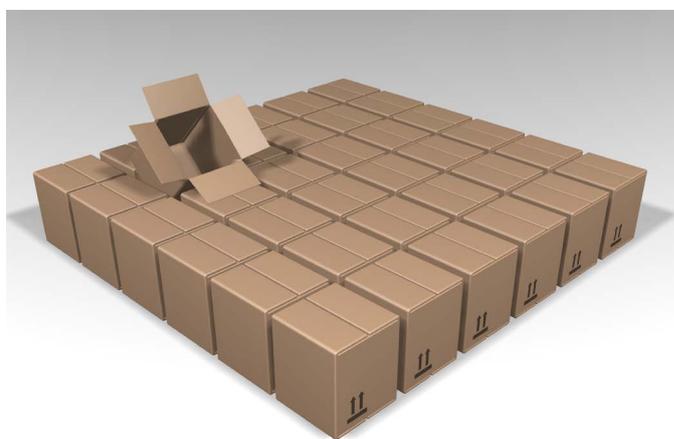
- Validated and developed according to GAMP5
- Adapted to existing production lines
- Internet connection for support & service
- Excellent reliability track records
- Custom applications
- High speed & accuracy



## Crate Inspection

When beer and soft drink crates return to the brewery they are emptied and washed. To ensure that crates are fit for reuse, an inspection system can be installed after washing, checking for deformation, foreign debris, logos etc.

- High speed operation with reliable results
- Easy to set up and teach functions for new crates
- Low maintenance and cleaning demands
- Operates on all sizes and logos
- Statistics showing trends and performance



## Box Inspection

After the boxes are filled and closed, the final packaged product must be inspected. Damaged or incorrectly closed boxes are not sellable. The vision system works according to general rules. All edges should be straight and parallel, and no parts are allowed to protrude from the box.

- Flexible, compact and portable design
- Operates on all sizes and decorations
- Statistics showing trends and performance



## Print Inspection

Any print must be placed accurately, with sufficient contrast, complete and readable. This is true for any industry. This vision system inspects prints immediately after production. If any discrepancies are detected, the system can activate a reject mechanism. Statistical data is gathered and enables operators as to follow any developing deficiency of the print.

- Precise color drift inspection
- OCR/OCV and evaluation of overall print quality
- Pattern recognition of images



## Plastic Sealing

A vision system for inspection of plastic sealings. Packages that needs vacuum formed containers can be inspected in order to detect defective welding and foreign objects in the seam. When a defective package is found, a signal is can be provide to a reject mechanism.

- Can be installed on existing equipment
- Single camera operation
- Fast continuous operation
- High speed operation



## Metal Cans

When producing cans and lids, it is important to inspect for damaged seal compound. The overall shape is measured, the compound is investigated, and any missing or discoloured compound is detected. The surface is checked for contamination or foreign bodies.

- Check seal and surface quality of lids and cans
- High speed operation
- Comprehensive production statistics generated to monitor performance
- Improves yield



## Labels

When labelling, it is necessary to inspect the final product. Labelling machines cannot operate fault free and therefore extensive manual inspection is often associated with this operation. An inspection system can detect the exact location and orientation of the labels.

- Detects drift in positioning compared to a reference point e.g. an eyebrow
- Fast and reliable results and trends
- Manual inspection is eliminated



Keeping the quality  
of your output in a  
controlled balance.

**JLI does that just perfect.**

JLI vision offers you experience and a highly qualified team of vision experts to design and implement your advanced turnkey vision solution. JLI vision has partners worldwide, and is able to make your business more competitive.

Give us a challenge. Contact JLI today on +45 3966 0809, if you have an application.



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JLI vision a/s develops, designs and manufactures advanced and tailor made 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.