



100 % inspection & control in packaging production



QUISS

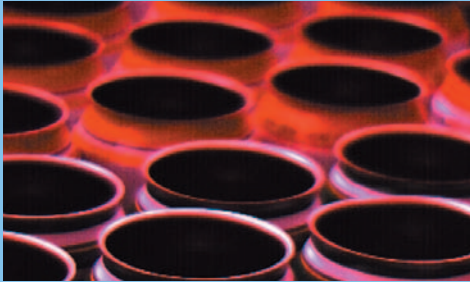
machine vision for industry

Production processes in the packaging industry are far too fast and too complex for the human eye to monitor – QUISS vision systems can assure 100% quality and control in high speed production.

For over 15 years we have provided systems for the inspection of automated manufacturing processes, based on advanced image processing technology. QUISS systems are suitable for any type of packaging – from beverage to food cans, carton packages, plastic containers and much more. They are highly reliable in detecting and rejecting defect parts. The statistical inspection data immediately shows weak spots, and therefore continuously helps to improve the production process.



Vision systems for **T**otal **C**an and end inspection



Cans

- high precision gauging of neck-plug-diameter
- flange
- neck
- sidewall/dome
- bottom
- reading the body-maker number

Ends

- shells
- lined shells
- converted ends

Contour analysis – ultimate in accuracy, reliability and repeatability, tolerant to changing environmental conditions

High-speed software – nearly unlimited amount of inspection tasks with production rates of up to 3000/min.

Surface inspection – coverage of total surface area by means of dedicated algorithms

One click system control – outstanding features like automatic program loading and self-test

Unique statistics – provides extensive, easy and fast analysis of inspection data to help improve the production process

Network technology – ensures remote access from the office and worldwide service by QUISS engineers

Modular design – fast set-up, freely configurable, easily expandable

PC based – use of standard components, increased performance with faster PCs available

Vision systems for **O**ptical **C**haracter recognition and code reading

UV-marking

- mixed label detection
- brand protection
- one-way deposit and material information
- product guarantee information



• **High-speed reading** of invisible codes at production rates of up to 3000/min.; special security ink available



Character reading – dedicated illumination and optics to read prints as well as markings or codes from inks, lasers, needles and embossing

Reading the body-maker number and copper-ID – dedicated illumination and software to read embossed and needled ID's on steel and aluminum cans; integrated inline or offline as part of an automated gauging machine

QC Vision

Vision systems for **Quality Control** of packages

Pattern control – control of caps and closures for correct type, position and quality of decor



Sealant control – control of membrane sealing and compound application for leakage, form stability, position and quality

Assembly control – control of completeness, correct type, quantity and position of various package types (Metal, carton, plastic) Logo

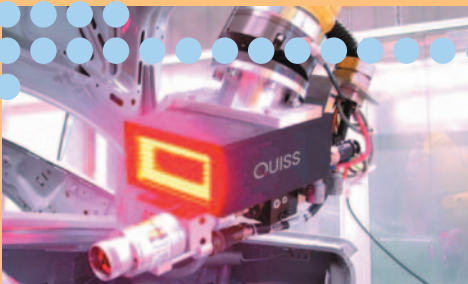


3Di Vision

Vision systems for position control in automatic part handling

2D/3D position control

Detection of position and orientation of parts in 2D and 3D plane for robot guidance, palletizing and pick and place applications



QUISS GmbH

Lilienthalstrasse 5

82178 Puchheim

Germany

T +49 (0)89 894 59 0

F +49 (0)89 894 59 111

packaging@quiss.com

www.quiss.com

TC|Vision

Vision systems for **T**otal **C**an and end inspection

OC|Vision

Vision systems for **O**ptical **C**haracter recognition and code reading

3Di|Vision

Vision systems for position control in automatic part handling

QC|Vision

Vision systems for **Q**uality **C**ontrol of packages

QUISS

machine vision for industry