

## IN-LINE QUALITY CONTROL SOLUTIONS



# **Aisa Inspection** quality equipment for zero defect

## C-Equipment

C-Equipment is an in-line visual quality control solution that detects and rejects non-correct parts based on picture analysis.

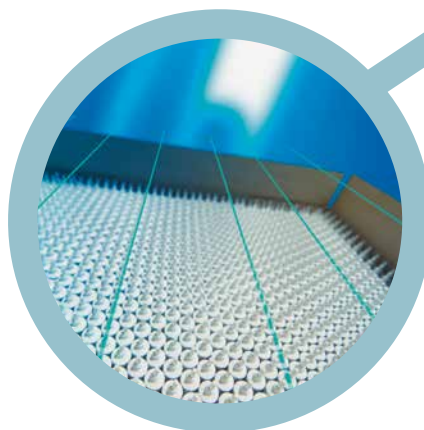


**C-Shape**  
equipment that controls the geometrical features of moulded parts.



- DEVELOP AND IMPLEMENT SYSTEMS OF IN-LINE QUALITY CONTROL FOR FINISHED PRODUCTS.
- PROVIDE DEVELOPING KNOW-HOW IN ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND VISION SYSTEMS.
- INDUSTRIALISE SOLUTIONS ON DEMAND FOR IN-LINE QUALITY CONTROL.

**C-Cap**  
solution checking the presence, the position and the angle of the cap.



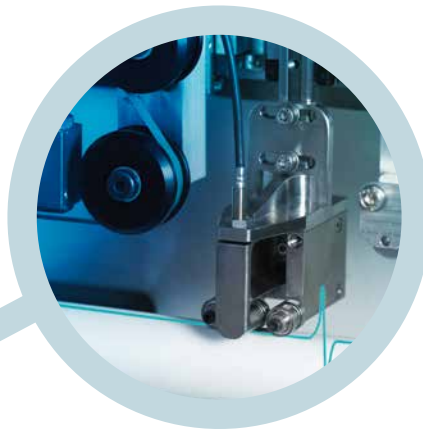
**C-Packing Load**  
system that controls the presence and the position of tubes in each box.

# Q-Equipment

**Q-Equipment is a customised in-line quality control solution based on artificial intelligence capable to detect and measure deviations in early stages of the production.**

## Q-Thickness

non-destructive thickness measurement system that operates on various substrates, opaque and transparent, with a high accuracy and absorbing mechanical vibrations.



## Q-Aesthetic

visual inspection equipment of surface aesthetic quality based on machine learning.



## Q-Orientation

machine learning solution capable to modelise various part shapes and position them according to applications.



## Q-AESTHETIC

Q-Aesthetic can be used on any kind of parts. After learning good parts directly on the machine, the generated algorithm will be able to detect any deviation in product quality. Good part will follow the process flow while bad ones will be automatically rejected.

## Injection moulding or extrusion moulding

Plastic processing allows to produce finished parts in a single step process, but quality could be impacted by processing defects like unfilled parts, scratches or burrs. Aisa has over 100 machines running world-wide with online moulding monitoring systems.

## Die casting or machining

Metal casting and machining used for production of high-quality parts, can face problems of burrs, drilling defects or other damages which can be critical for the assembly. Aisa's AI inspection systems are capable to detect such defects in-line reducing production time and waste.

## Textile

When producing safety parts for automotive, transport or medical applications, weaving and raw material defects can be very critical. Aisa's inspection tools help manufacturers increase quality assurance.

*Ask for an evaluation on your application.*



> [inspection@aisa.com](mailto:inspection@aisa.com)



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## AISA

### ▪ AISA Automation Industrielle SA

Avenue de Savoie 61  
P.O. Box 336  
CH-1896 Vouvry (VS)  
Switzerland  
Tel. +41 24 4820 110  
Fax +41 24 4820 299

### ▪ AISA Automation Industrielle France SAS

Rue de la Sucrierie  
BP 18  
FR-51800 Sainte-Menehould  
France  
Tel. +33 3 26 60 47 00  
Fax +33 3 26 60 47 41

### ▪ Sprimatec Pinturas Automáticas Eireli

Avenida Piraporinha, 246  
CEP 09950-00  
Vila Nogueira  
BR-Diadema - SP  
Brazil  
Tel. +55 11 4070 92 50

### ▪ AISA Industrial Automation India Pvt. Ltd.

S. No. 81/6 'Yashraj Pride' Opp. JSPM Institute,  
Mumbai Bangalore Highway, Tathawade,  
Tal. Mulshi, Chinchwad, Pune, Maharashtra 411 033  
India  
Tel. +91 84 84 818956

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