

# SeeOne Vision Technology srl

*The Applied Vision Technology in Florence*



## Company Profile 2018

SeeOne is an Italian company, devoted to analyze, develop and produce artificial vision systems for different industrial sectors.

SeeOne thanks to a great team and a unique know-how based on more than 30 years of experience in the field, is able to provide industrialized and customized solutions for a huge areas of applications.

Our solutions allow to reduce the number of defective products and monitoring the entire production process with optical visual inspection systems and a smart user friendly software.

SeeOne not only produces vision systems, at the top of the state of the art, but its mission is to be a **center of excellence in opto-electronics and artificial intelligence**, at the service of companies: that's why SeeOne has the strong spirit of collaborating, trusting that only by combining different know-hows how great results can be achieved.

## The Know How and Skill

SeeOne takes care to keep know-how technologically up-to-date thanks to a nice and historical collaboration with the most important cameras and boards suppliers, university organizations and participating in innovative and international projects.

In brief the principle SeeOne tasks and skills are the following:

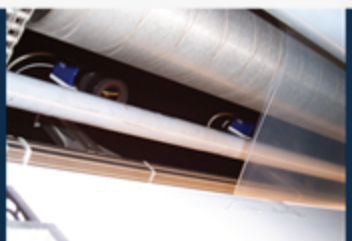
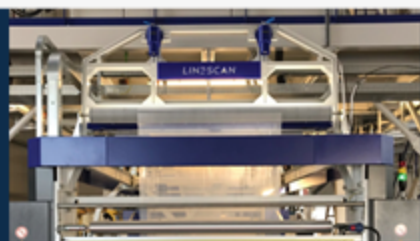
Specialist in optical and lighting systems design;

Knowledge of lot of different electro-optic sensors and board for vision applications, included CUDA® parallel computing platform ;

Great experiences in a lot of different field of artificial vision applications.

Software packages based on proprietary algorithms, particularly dedicated to artificial vision, analysis and image processing (e.g. Sub pixel measurements, Calibration, Color Correction, Dedicated Filter, Neural Network and Artificial Intelligence Algorithms);

Specialist in management of "commercial" Vision software package as Halcon (AVT Library) and Sapera Inspector (Dalsa).



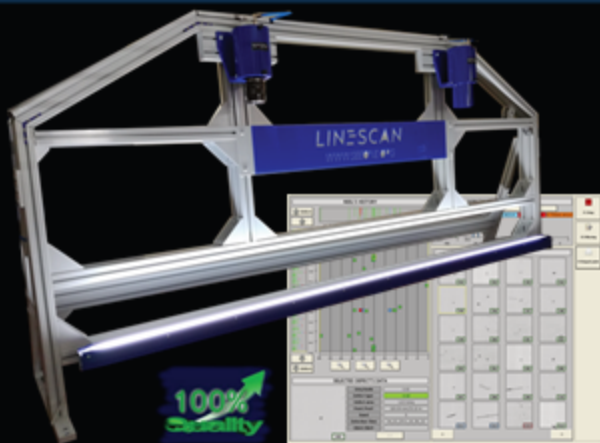
## The Power of the Collaboration HUNKELER AG

"Hunkeler AG (HAG) is a Swiss company, founded in 1922, which develops and supplies innovative solutions for continuous feed paper processing throughout the digital print process."

The collaboration between HAG and SeeOne is an example, how different know-how, experiences and cultures may produce excellent results!

In brief, SeeOne operates as a partner of HAG and develops the software application for Web Inspection solutions based on artificial vision technologies.

The result out of this strong and high technology collaboration is the Hunkeler WI6 platform, the most advanced quality control system to inspect digital printing and variable data!



The **LineScan 100% Web Inspector** can analyze an huge variety of different plain materials, such as Plastic Film, Metal Foil, Paper, Woven and Non Woven material.

Every kind of material needs of a specific know how and features: special software defects detection, dedicated illuminators, optics and software tools are required to optimize the Inspection based on the quality assurance requests.

**LineScan** is represented by **BST eletromat Italy** for the following countries: *Italy, Switzerland and Greece* and **BST eletromat Istanbul** for the following countries: *Turkey and Iran*


 AWARDS  
1st

*LineScan is the world's fastest web inspector thanks to 200 KHz cameras which means a resolution of 0.1 mm at 1,200 m / min*

**TOPSCAN AWM** system allows fully automatic thickness measurement on insulating covers and non-metallic sheathings of electric cables. International standards and product specifications demand particular characteristics for measuring systems and special measurement and evaluation methods.

**TOPSCAN AWM** is the evolution of the profile projector or of the measuring microscope getting following goals: measurement objectivity, results repeatability, time and manpower saving, system's use great easiness, quick regaining of the investment, conformity with CEI 20-34/1-1

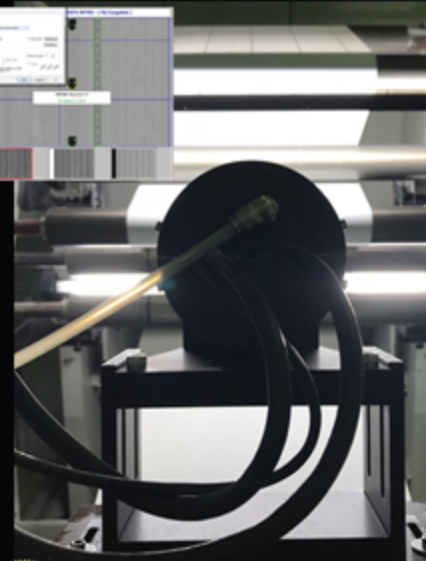


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The **TopScan AWM** is the official instrument of IMQ, for the testing on the cables ! IMQ is Italy's most important certification body and a European leader in conformity assessments and laboratory tests for the electrical, electronic, gas and energy industries.

**LineScan Security** : Paper for banknote production includes a set of separate and complex processes to insert in the paper few security components, with the final paper layout that changes in relation with the Banknotes characteristics and design. The standard process included: watermark and punching generation, silver filament application , silk-screen printing, hologram application and special not visible glue distribution. For each components above described the Inspection system is able to check the absolute and relative position and the quality.

**Principal Tasks:** Detect and reject random defects, to release paper for banknotes and holograms of controlled quality. Reduce waste. Supporting the operator, with real-time feedback from the production line. Report of the status of each reel, divided for each banknotes. Visual and Acoustic Alarms and Ink Jet Markers management to eliminate the defective banknote during the following printing process.



 AWARDS  
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*The inspector of the Fedrigoni - Fabriano Security Products*

# *The Applied Vision Technology in Florence*

## *SeeOne Vision Technology - Our Vision*

### **Innovation**

We understand innovation as continuous improvement and the search for new products and services, in order to offer customized products to each client.

### **Consultancy**

Based on our vast experience and technical knowledge, we offer comprehensive consulting services for the design of technological solutions.

### **Commitment**

Commitment, dedication and transparency are the principles that govern all of our professional relationships with our clients.

### **Quality**

Our demanding Quality Policy is implemented in all development phases of our products and projects, to offer our clients confidence and security.

### **Technical Support**

We are always available to assist, collaborate and help solve any type of issue related to our systems or services.

*"Coming together is a beginning;  
keeping together is progress;  
working together is success."  
Henry Ford*



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