



Optrel
engineering
 Stevanato Group

News

Issue 1/2009

Optrel is now ready to support the worldwide pharmaceutical challenges.



A wide range of containers

*More than 25 years of experience and member of Stevanato Group **since 2007**, Optrel has developed advanced inspection technologies for parenteral products.*



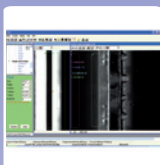
Ergonomic, compact and space saving Equipment

Since 1982 Optrel Ltd has established a long tradition of developing inspection machines for the pharmaceutical industry with automatic and semiautomatic equipment.



Automatic & Visual Inspection

By merging with Stevanato Group in 2007, Optrel has developed a range of fully and semi automatic inspection machines covering a wide range of containers from ampoules, vials, cartridges, syringes and large bottles (up to 1000 ml) based on the same field proven technology. All the containers are processed through our advanced PVSI vision system, upgraded with the most advanced inspection algorithms. In the last two years Optrel has started an in depth innovative process: thanks to Stevanato Group support all the technologies and improvements have been significantly upgraded in order to satisfy every customer requirement.



Various Controls (tip, alu seal, OCR, Fill level, particles, etc)

Featuring



Special Light source & Dedicated camera system

- Equipment built in compliance with cGMP, GAMP4 and 21CFR11.
- The range of defects dealt with matches the requirements from the PDA glass task force and includes also metrological controls recorded in a SCADA-like interface for production control.



HMI Easy to use Matching 21CFR11

- The visual system created for inspection purposes is certainly an advanced technology capable of detecting contamination and non conformities according to Pharmacopeia and FDA Regulation.



Special Application LEAK detection machine

- Inspection performed: fill level, cosmetic, particle & leak detection
- Different solutions available: double module for double output (up to 400 pcs/min), integrated unit (leak detection station installed inside the automatic module) and combined equipment (inline connection using various Optrel inspection machines).

In 2008 Optrel's R&D focused its activities on freeze dried products and pre-filled syringes. New equipment will be designed during 2009.

We strive to work with our customers as partners, to assist them in meeting their specific project requirements by providing the best possible solutions.



Stevanato
 group

synchronized solutions

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Meet Optrel at PDA Contest



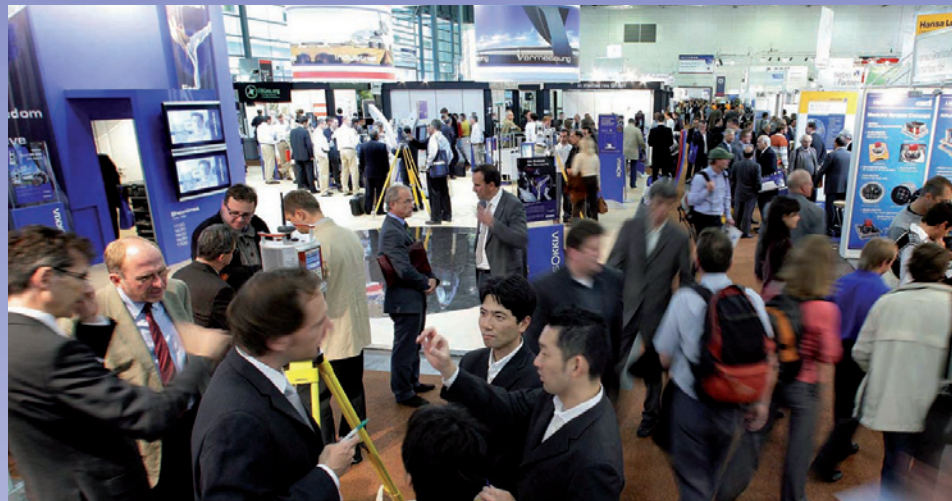
**2009 PDA Europe
The Universe of Pre-filled
Syringes and Injection Devices**



27/30 October 2009 Venice, Italy Conference, Exhibition, Training Courses

OPEN HOUSE!

**Stevanato Group sponsors the worldwide event
PDA in Venice from 27-30 October 2009.**



Customers, agents, and visitors interested in Optrel's inspection machine can meet us in the Stevanato Group showroom at the main site in Piombino Dese.

We will display different kinds of machines and our engineers will supply technical explanations by describing features, components, special applications, and customized options.

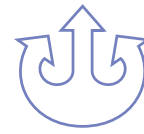
...for participants interested in visiting Optrel's showroom...

Stevanato has arranged a free and comfortable daily pick up service (by means of a shuttle – bus) from the Exhibition in Venice to Optrel's showroom in Piombino Dese.



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When:
17-19 March 2009
Location:
Jacob K. Javits Center
New York, NY



ACHEMA hall 4.2 Booth O4

When:
11-15 May 2009
Location:
Frankfurt am Main -Germany
Title:

Chemical Engineering, Environmental Protection and Biotechnology



When:
11-15 May 2009
Location:
La Habana, Cuba
Title:

Treatment processes control of sterile glass syringes and vials



FCE Pharma booth # 702!
When:
26-28 May
Location:
Sao Paulo (Brazil)



AFI
When:
9-11 giugno 2009
Location:
Rimini - Italy
Booth n. 32



PDA
*The Universe of
Pre-filled Syringes*
When:
27-30 October
Location:
Venice (Italy)



Japan Workshop 2009
*Interaction with packaging
in drug delivery systems*
When:
9 November 2009
Location:
Tokyo



India Workshop 2009
*Interaction with packaging
in drug delivery systems*
When:
30 November 2009
Location:
Mumbai



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