

Seidenader Inspection Machines

Pharma Technology Solutions

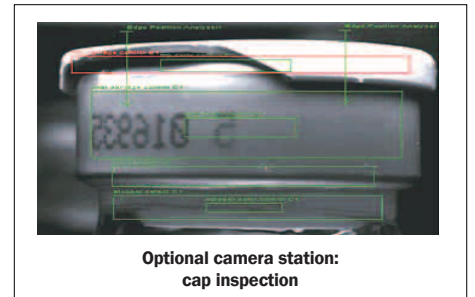
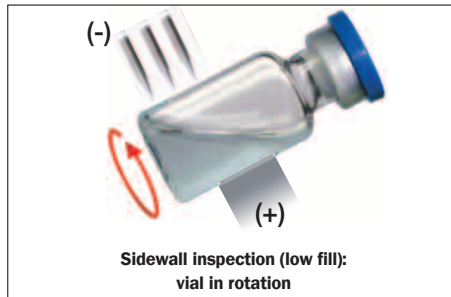
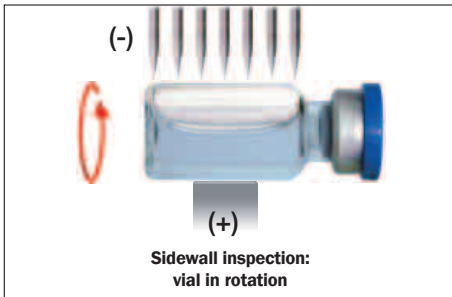
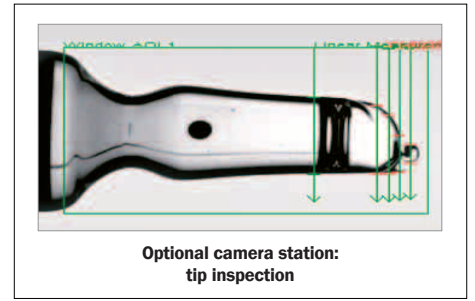
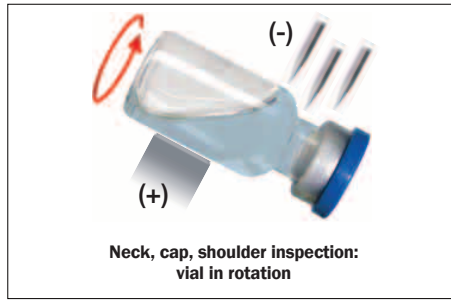
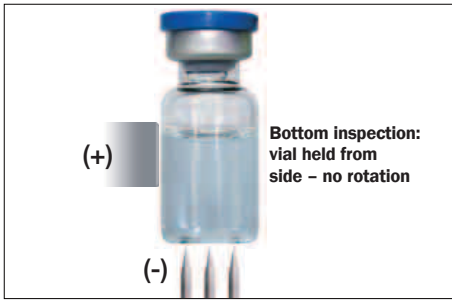


HVLD

Seidenader HVLD Pinhole and Leak Detection Machine for Ampules, Cartridges, Vials and Syringes

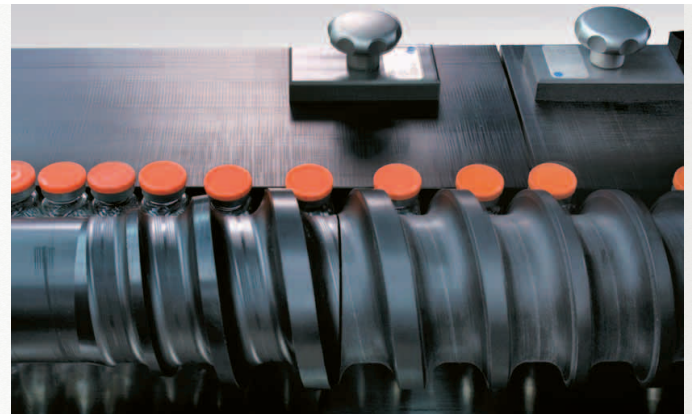


KÖRBER MEDIPAK
pharma packaging systems

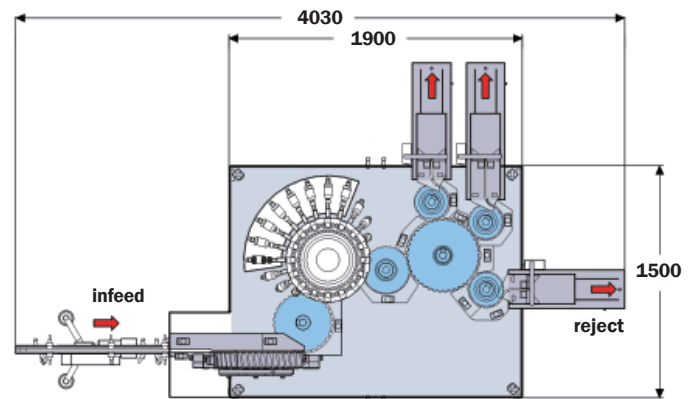


Technical Data Seidenader HVL D:

- Application: Ampules, vials, cartridges and syringes
- Range of size: Ampules \varnothing 10.75 - 22.50 mm
Vials \varnothing 13.00 - 51.60 mm
Cartridges 1.5 - 5.0 ml
Syringes 0.5 - 10.0 ml
- Throughput rate: up to 600 containers/min, depending of container and machine configuration
- Height: Approx. 2100 mm
- Net weight: Approx. 3100 kg depending on machine configuration
- Design: Complies with current GMP recommendations, OSHA regulations, CE requirements and EN 60204-1, 21 CFR part 11 compliant
- Voltage/frequency: 400 V, 3 Ph+ N+ PE, 50 Hz, approx. 6 kW standard, all other voltages possible through transformer
- Compressed air: Connection 1/2", pressure 6 bar, consumption ca. 30 Nm³/h depending on machine configuration
- PLC: Siemens S7
- Conductivity: minimum 1.5 μ S/cm
- Voltage range: 10 - 30 kV
- Max. energy absorbed by product: < 0.1 J/inspection



Split infeed screw allows to clear the machine without creating false rejects.



Seidenader HVLD

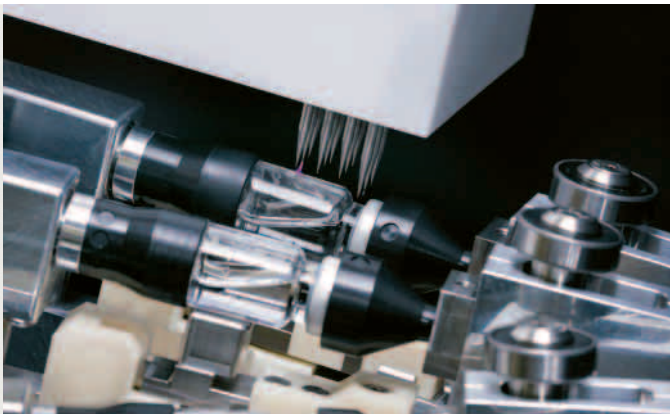
pinhole and leak detection machine for ampoules, cartridges, vials and syringes

The Seidenader HVLD is specialized in detecting even small pinholes and cracks at high throughput rates using high voltage technology.

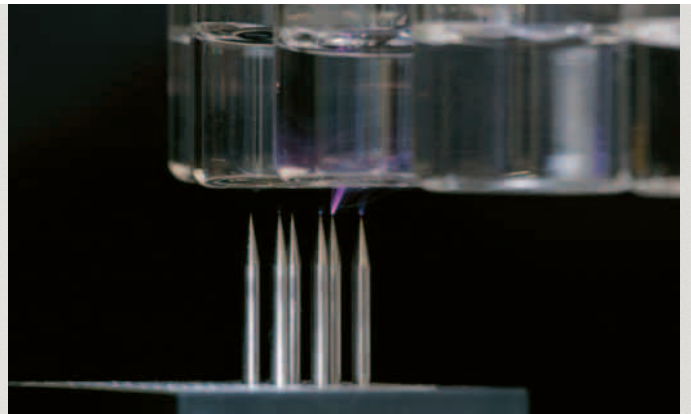
The HVLD high performance machine has been developed for production environments covering the inspection of a wide range of products in ampoules, cartridges, vials and syringes.

Advantages

- Precise positioning towards the electrodes
- Reproducible 360° rotation
- Also suitable for low filled products due to tilt angles of 75° - 105°
- Only minimal conductivity of product is required
- With up to 4 high voltage inspection stations each product is checked thoroughly for defects on sidewall, bottom, shoulder, neck, cap
- Optional: camera stations for seal/cap inspection
- Inspection speeds up to 36,000 units/h
- Compact design
- Easy change-over without tools
- Infeed manually from trays or inline from upstream machine
- Validation run
- User friendly HMI system for easy communication with machine



Closure, neck and sidewall inspection - each product is held in a reproducible position towards the electrodes.



Complete check of containers: bottom inspection.

Fields of application:

- Check for pinholes, cracks, leaks
- Containers filled with liquid products
- Cartridges, ampoules, vials and syringes, 0.5 ml up to 100 ml

Pivot carousel turns containers from upright position to horizontal position - different inclinations possible.



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The product range of Seidenader Maschinenbau GmbH includes:

- High-performance inspection machines for a wide range of pharmaceutical products and containers
- Semi-automatic machines for inspection of parenteral products
- Exterior cleaning and drying machines for ampoules, vials and cartridges
- Sorting and inspection machines for tablets and capsules

Since we are constantly working on the improvement of our high-quality machines, the texts, illustrations and figures on these pages are illustrative only and not binding.

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