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V90+ – New generation of semi-automatic inspection machines from Seidenader

Semi-automatic, full detection

Seidenader's semi-automatic inspection machines guarantee the highest standards in quality testing of pharmaceutical products to be administered by injection. With the new generation V90+ Seidenader, inventor of this process, has further improved the original – and set new standards in visual inspection.

The new V90+ was consistently designed for maximum support and to relieve the strain on the operator in visual inspection. In addition to ensuring the highest quality standards, the superior ergonomic design of the machine effectively prevents premature fatigue.

Work procedures have been improved by the cabin, now widened to 80 centimeters, and a completely open leg zone. An LED feedback bar ensures an optimum overview: the operator receives confirmation of the status of the container by means of colored luminous markings – whether or not it was marked as defective.

The V90+ enables simultaneous inspection of several criteria in one machine and by only one individual. The prerequisite for this is created by various illuminations and mirrors. At a glance, the operator can identify foreign matter in the product, impurities or cracks and glass damage on the bottom, shoulder and cap zone. At the request of a customer, the machine can be designed so that the inspection angle is adjustable to 60° or 75° depending on the task.

Perfectly synchronized components on the infeed minimize pressure on the container and reduce friction. The risk of glass breakage is reduced and resulting downtimes are eliminated. Containers can be fed continuously or intermittently through the cabin for inspection.

A variable high-speed rotation, driven by servo motors, stirs up any particles in the container. In the operator's field of vision the container to be inspected rotates around its own axis at an individually adjustable speed. This not only facilitates 360° inspection, but enables inspection of the closure zone and bottom by means of additional mirrors. A magnifying glass and the Tyndall effect additionally facilitate detection: scattered light makes particles glow like dust in front of a film projector.

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The machine can be intuitively operated via a user-friendly widescreen touch panel. Software and control panel (HMI) conform to the high standards of fully automatic Seidenader machines. Inspection parameters such as rotation speed or light intensity are stored in the HMI with the respective recipe and can be automatically loaded. This enables the reproducible setting of inspection parameters for each individual batch. Furthermore, the risk of setting errors on the occasion of a product change is eliminated.

The V90+ can transport up to 9,000 pharmaceutical containers per hour, and the machine is capable of handling different container shapes with volumes of 0.5 to 1,000 milliliters. Depending on the format set, ampules, cartridges and vials with liquid and/or lyophilized contents as well as syringes can be inspected. The diameter may be between 6.85 and 95 millimeters and the height up to 240 millimeters. When retooling for a different container type or format, all format specific parts can be changed in the shortest of times without special tools.

Finally, retrofitting of the new V90+ for additional container formats can be performed simply and without technical support by Seidenader. Only the format parts must be ordered and installed.

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About Seidenader

Since 1895, Seidenader has been committed to manufacturing high-quality equipment for the pharmaceutical industry. For more than 20 years, we have also been developing in-house the intelligent vision systems for our automatic inspection machines. Expertise on material handling and inspection of a vast variety of pharmaceutical containers filled with liquid and dry sterile products, combined with the experience and feedback of our customers has helped us to create a full line automatic inspection machines: from handy table top units for laboratory applications to high-performance inspection machines for large production environment. Exterior washing machines as well as inspection and sorting machines for tablets and capsules complete the Seidenader product range. Seidenader meets the increasing requirements of the pharmaceutical industry by developing complementary inspection technologies, automation solutions for the control of complex packaging lines as well as comprehensive track and trace solutions.

Seidenader is part of Medipak Systems, the Pharma Systems business area of the international Körber technology group. Körber unites worldwide nearly 12,000 professionals in industry-leading companies, achieving annual earnings of more than 2.3 billion Euros. The head office of Seidenader Maschinenbau GmbH is located in Markt Schwaben near Munich.

About Medipak Systems

Medipak Systems is a reliable partner to the international pharma and biotech industry with locations in the US and around the globe.

Medipak Systems offers solutions for save and efficient processes for the production and packaging of pharmaceutical products: including Pharma Manufacturing Execution Systems (MES), the development and production of standard and special folding boxes, innovative packaging and inspection machines, and solutions for the traceability of medicines.

A unique combination of process know-how and advanced technology makes Medipak Systems one of the leading system providers.

Medipak Systems unites the companies Dividella, Mediseal, Rondo, Seidenader Maschinenbau and Werum IT Solutions. Worldwide 1,600 employees work for our companies. Medipak Systems is the Pharma Systems business area of the international Körber technology group. Körber unites worldwide nearly 12,000 professionals in industry-leading companies, achieving annual earnings of more than 2.3 billion Euros.

For more information on the Körber Medipak Systems please visit www.medipak-systems.com