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**New solution for empty glass container inspection during the filling process:
greater productivity at no extra cost**

Seidenader is presenting at the Interpack a completely new solution for the inspection of glass containers before filling: the newly developed camera system for empty glass bottom inspection is based on a new type of empty glass lens in combination with recipe-controlled camera lens positioning. This enables a much better image quality to be achieved. At the same time it reduces distortion at the edges of the camera image. It is thus possible to inspect empty glass vials for damage and contamination using a single camera that has been optimized for every format size and shape.

Many pharmaceuticals are so cost-intensive in production, that any quality deficiency has a negative impact on productivity. In such cases, it is particularly important to ensure that fault-free products do not have to be filtered out during final inspection simply because the container is defective. This calls for empty glass inspection prior to filling.

Empty glass container inspection typically concentrates on defects in the side wall or sealing surfaces, as well as on particle checks on the bottom of the container. The latter involves a technically very complex inspection, as process-safe results can only be achieved by means of imaging through the mouth area. But it is often the case that the bottom diameter is larger than the mouth opening. That's when a special optical system with a crossed beam path is used. However, this naturally limits the size and shape of the vials to be inspected to a particular format. Inspecting different formats thus means compromising on inspection quality. If a particular dimension is exceeded, additional camera stations would have to be installed. For space reasons, such combinations are usually out of the question.

The new Seidenader solution for empty glass bottom inspection now offers an excellent alternative based on a new type of empty glass lens in combination with recipe-controlled camera lens positioning. The compact design is intended for integration in filling lines in clean rooms or under an isolator. This is how it ensures that the precious products are only filled in perfect quality vials. Output is automatically increased as a result, so that the investment practically pays for itself.

Press Release

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About Seidenader

Seidenader is a competent partner to pharmaceutical companies and specialized in solutions for inspection and track & trace. The company develops and builds inspection machines and applications for manufacturers all over the world. Many years of experience in handling all kinds of pharmaceutical containers and products, as well as in developing various inspection technologies make Seidenader systems cost-effective and reliable. State-of-the-art serialization and aggregation solutions for the traceability of products and for the protection from counterfeiting are part of the comprehensive Seidenader Track&Trace Solutions. As an innovative and well-established company with more than 120 years of experience in the market and extensive knowledge of the high safety and quality requirements of the pharmaceutical industry, Seidenader is now one of the leading suppliers for inspection and track & trace solutions, worldwide.

Seidenader is part of Medipak Systems, the Pharma Systems business area of the international Körber technology group. 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. It unites five successful companies with development and production locations in Germany, Switzerland, the Czech Republic and the US.

Medipak Systems offers solutions for save and efficient processes for the production and packaging of pharmaceutical products: these include 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. This unique combination of process know-how and advanced technology makes Medipak Systems one of the leading system providers.

Medipak Systems unites the companies Dividella, Fargo, Mediseal, Rondo, Seidenader Maschinenbau and Werum IT Solutions. Worldwide 1,700 employees work for our companies.

Körber unites around 11,500 professionals in industry-leading companies worldwide, achieving annual earnings of 2.3 billion Euros.

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