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DE.SY.RE: new non-glass-to-glass-contact handling system for perfect inspection results

In very fast inspection machines the maximum feed rate can represent a potential limiting factor. This is particularly the case with delicate containers such as glass syringes. The new DE.SY.RE handling system presented by Seidenader as a highlight at Interpack was designed for precisely such applications.

DE.SY.RE supplements the inspection machine with two modules: an upstream de-nester and a re-nester downstream of the inspection machine. Perfectly matched with one another, the three components form a powerful integrated overall solution: a high-speed, high-precision delta robot in the de-nester supplies the inspection machine with up to 600 containers per minute. An identical robot in the re-nester removes the syringes after inspection and places them back to the nests.

The key here is not just the high speed with which the robots work, but also their extreme precision. Thus, in particular, so-called "glass-to-glass contact" is reliably prevented. This makes it impossible for the delicate glass containers to jostle one another or even to touch during feeding. This prevents cracks in the side walls or chipping on the finger grip. In addition, the gentle, smooth handling of the products prevents the formation of air bubbles in the liquid, which minimises the false reject rate.

The key to this high-speed, high-precision process is the many years of expertise in inspection that Seidenader has poured into the development of DE.SY.RE. This guarantees a feeding solution that is perfectly tailored to the inspection machine and the respective requirements on the one hand. On the other hand, the combination of inspection machine and feeding system also means no interfaces with third party providers – and thus a turnkey overall solution that offers the best inspection results.

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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

