
Presseinformation / Press Release

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Smooth sliding action

New “denisort” sorter makes for gentle product handling

Atlanta/Weinfelden, April 4, 2016. A new development from Denipro AG called denisort is making its global debut 2016. This innovation from the Swiss specialist in rolling conveyor technology combines all the advantages of tilt-tray and slide-tray sorters within a single system. This is an enhanced version of the deniway conveyor, which is already regarded as a classic, and is aimed mainly at customers from sectors like e-commerce and the mail order business. The new system unites three functions, which can be run in parallel: conveying, order picking and sortation.

“Rolling, not sliding” is the basic technological credo at Denipro. As a logical consequence, the same can also be said about the new denisort conveyor. “Thanks to rolling friction, we have up to 50% less resistance and therefore less abrasion and wear than conventional conveyor technology with sliding friction,” explains Denipro CEO Jens Kirchhoff. Like all other Denipro systems, the new denisort gets by with only a few drive units and is extremely energy efficient. And thanks to transfer-free technology, the material flow is so quiet and gentle that the system is also perfect for the transport and sortation of fragile products. Furthermore, users benefit from less wear and tear, lower energy consumption, fewer CO2 emissions and a reduced maintenance outlay.

In addition to the advantages that come with rolling conveyor technology, the new denisort system offers an engineering highlight that many users in the e-commerce and mail order sectors are sure to have been waiting for: Denipro has succeeded in developing a sorter that combines the plus points of tilt-tray and slide-tray sorters,

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and at the same time creates further synergy effects. As a result, with a continuous flow of goods, denisort offers the unique option to carry out three processes on one and the same line, namely conveying, order picking and sortation. The Denipro innovation can simultaneously receive and transfer incoming goods to stock, process and transport orders to the dispatch zone and, in parallel, also feed returns back into the system.

With the new denisort, the tilt mechanism and design of the trays show that, as regards the details, the engineers in the Swiss town of Weinfelden have again come up with clever solutions. The tilt mechanism has been designed so that the products are unloaded gently. At the same time, there is an option for double-sided unloading: the tray can be tilted and opened to the right and to the left. The secret is that the products don't simply fall out of the tray; they slide gently under full control towards their destination.

As standard, Denipro supplies three popular tray sizes: Cosmic (150x250 mm), Orbit (290x340 mm) and Shuttle (650x450 mm). If requested, Denipro will supply trays in other sizes, as specified by the customer. Indeed, there are almost no limits to the flexibility of denisort: on a denisort line, different tray types can even be mixed. And in combination with the Denipro wobble belt (patent pending), a denisort line can easily handle products and goods generally regarded as especially fragile. Even glass containers, perfume bottles, hi-fi equipment and electronic components can be processed readily on a denisort line.

Pictures and Caption



((160308_Denipro_denisort_Modex 2016.jpg))

Gentle sliding, not dropping: the new denisort system makes for gentle handling of products and workpieces.

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About Denipro AG

Denipro AG, with headquarters in Weinfelden, in the Canton of Thurgau, Switzerland, is a specialist in rolling conveyor technology. Since 2008, the Swiss company, which was founded in 1984, has launched four innovative products, all based on the principle of "rolling, not sliding". The advantages of this principle: less friction and wear, plus far less energy consumption and maintenance. As a system supplier, Denipro stands for relatively simple solutions with a totally modular concept that offer customers high added value. Like its associate companies Ferag AG, WRH Marketing AG and PMC Print Media Corporation, Denipro is part of the global Walter Reist Holding AG group.

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