

ASYS Handling With Automatic Magazine Width Adjustment

The product division VEGO Handling presents at the Productronica 2017 a magazine loader with automatic magazine width adjustment. This new function eliminates manual preparatory work for a change of setup. It also significantly reduces the frequency of error due to incorrectly adjusted magazines.

The new function has a number of advantages up its sleeve when it comes to the fully automated supply of material in electronics manufacturing. Preliminary work when supplying the system automatically by transport robot, for example, is no longer necessary. You can supply magazines of any width. Everything else is automated. Setup times are also a thing of the past, as the magazines do not have to be adjusted manually on change of product and do not need to be stored ready for use. Troubleshooting is another key issue. Incorrectly adjusted magazines often bring production to a halt. You can even damage your product if the magazine is too narrow or too wide after adjustment.

Automatic Adjustment of Spindle Magazines

Magazines with spindle adjustment are required for this function. The spindle is typically operated manually by means of a belt. To deliver an automated solution, the handling experts from ASYS have fitted each magazine location with an adjusting motor. When the operator or an autonomous transport robot places a magazine on the table, the motor engages automatically with the threaded spindle of the mobile cheek on the magazine. After engaging with the motor, the cheek is then referenced by sensors. As the final step, the system sets the exact position for the format width. In this process, the magazine is not subjected to mechanical load or wear, and the system guarantees accuracy at all times as well. In alternative processes, the maximum width or the mechanical end stop is used as reference

point. But that causes wear of the spindle and spindle nut, which leads to inaccuracy for the required magazine width. It also caused by contamination of the spindle.

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About ASYS Group

The ASYS Group is a global technology company and a leading manufacturer of handling, process and special machines for the electronics, solar and life science industries. The corporate headquarters in Dornstadt near Ulm, Germany controls the activities of the subsidiaries in more than 40 countries. The ASYS Group employs over 1000 staff worldwide and supplies both standard products and customized solutions.

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