

LIGMATECH at the Holz-Handwerk in Nuremberg,
from March 26 till 29, 2014:

Economized production with the BOOMERANG® ZHR 340

Return conveyors for workpieces with high quality and the permanent further development of machines – this is of highest priority for the LIGMATECH specialists. This also applies to the optimization of the ZHR 340. Together with customers, this successful model has been further improved and adjusted to increasing quality demands.

At the Holz-Handwerk the new BOOMERANG® ZHR 340 in connection with the HOMAG KAL 310 with workpiece infeed system EZ 14 will be in operation. It surprises by high capacity, an enormous workpiece range and especially gentle handling.

Larger workpiece variety

Apart from its high capacity – even with small workpiece gaps – the ZHR 340 mainly convinces by its large range of workpieces. On the one hand, this is achieved by the new workpiece transfer, which has already been proven for large industrial return system. A transfer belt transports the workpiece coming from the edge banding machine to the air-cushion table of the return conveyor. As a result, smaller but also larger workpieces can be transported automatically and without manual intervention.

The air cushion table itself is also new: due to the intelligent arrangement of the air cushion, mainly small and light workpieces can slide faster to the return belt. For the transport of larger workpieces, every ZHR 340 is equipped with an additional roller rail inside the return conveyor. This roller rail avoids that long workpieces, where the edges are to be applied crosswise, sag and collide with workpieces on the return conveyor. At the same time, the total width of the return conveyor has been extended to 1,200 mm.

Gentle handling of edges and surfaces

Even very sensitive edges e.g. in aluminum or stainless steel optics are easily transported here due to the new design of the air-cushion table without ball valves. Moreover, the coating of the pusher is more sensitive and optimally adjusts to such sensitive edges. The workpiece identification is no longer effected mechanically but via a sensor. It is even supported by the new buffer in the pusher – thus the pusher provides more quietness in operation. Especially customers processing many sensitive workpiece surfaces or many small and light workpieces benefit from this gentle type of material handling. In order to counteract the pollution of the workpieces, the ZHR 340 is now equipped with new transport belts.

Ergonomic workpiece handling and safety

In order to ensure more ergonomic workpiece handling and a higher capacity, an air-cushion table with stroke can be installed in the rear part of the return system. In order to improve the safety of this system, an additional multi-ray safety light barrier as well as a rip cord alongside the return conveyor are installed according to the CE directives.

More than 3,000 return systems in operation

Since the commercial launch of the BOOMERANG® in 1992 the LIGMATECH return systems have successfully proven on the market. The figures are self-explanatory: more than 3,000 return systems sold. In order to meet the customers' demands for high quality furthermore, LIGMATECH specialists are continuously occupied with further developments and optimizations.

The workpiece return systems from LIGMATECH are the perfect addition to single-sided edge banding machines. As indispensable assistants they lead to more economic machines and provide a real single-man operation. An advantage compared to the competitors who still feed the workpieces manually.

Source: LIGMATECH Automationssysteme GmbH



Photo 1: BOOMERANG® return system ZHR 340

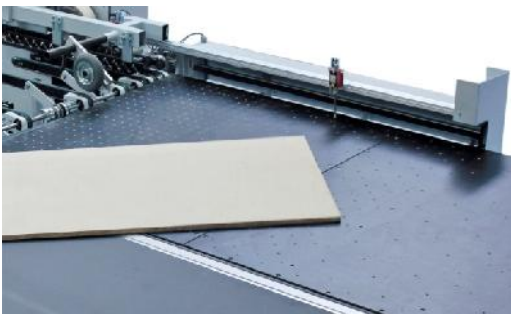


Photo 2: New workpiece transfer for larger workpiece variety

Your contact person:

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