

# SIG *SORTER* SERIES



Located behind the ISB Inline Bundle squaring and strapping machine the zero defect bundle ejection table is controlled by the ISB PLC Unit. Any defective bundles identified by the upstream FFG units glue control or print quality-check camera are automatically removed, after strapping, by the ejection table. This ensures that any incorrectly glued or printed bundles do not pass to the palletising area aiding the objective of zero-defect product delivery to end-users.



The closely spaced spherical ball table ensures that the products are suitably and carefully handled to eliminate any possible damage. This feature also enables very small products to be securely and simply handled in the system after squaring and strapping. The bundles can be positioned anywhere on the table for easy removal by the line operator, as table safety guarding or protection is not normally required.

# SIG **SORTER** SERIES

The high throughput of the SigSorter table enables it to keep pace with the ISB bundle squaring and strapping unit. Controlled by the ISB unit the Zero Defect bundle table is also interlinked to the upstream FFG unit to ensure that any box in any bundle, which does not meet rigorous standards, is ejected. Once identified, the bundle is immediately handled by the table and removed at 90° to direction flow for manual sorting. After replacement of the defective carton the bundle can be re-introduced upstream of the ISB for renewed bundle squaring and strapping.

- High production throughputs – to cater for production lines of up to 32 bundles per minute.
- Maximum machine up-time – bundle ejection/removal in 2,5 seconds by the SigSorter table
- Simple and careful bundle handling on the table - no product damage
- Bundle can be moved to any point on the table - eases operators activities
- Diagonal movement of bundles or movement to fixed line exit possible- systems flexibility
- Improved load securement & package stability – no defective cartons/ bundles pass into palletiser
- Lower cost of ownership - easy service & low maintenance needs, as for the ISB bundler

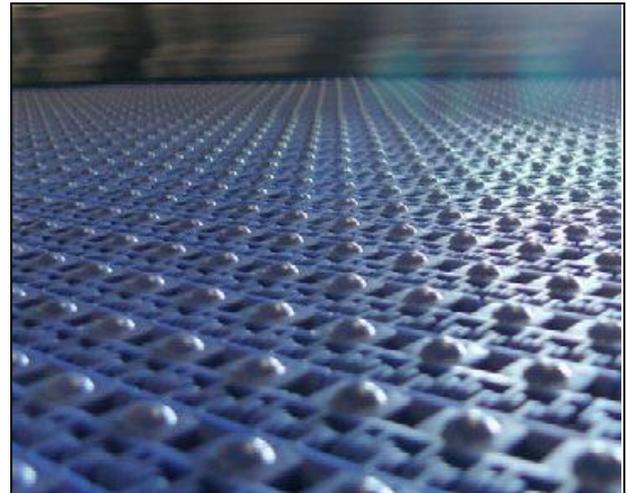
## SigSorter Options

- Other table sizes to suit customer needs available
- Additional exit table conveyor section
- Table riser kit to suit all machine types
- Third Photocell for bundle reject exit check to customer roller conveyor
- Table with own PLC controller for use behind other inline bundler system
- Other RAL colour finishes available.

## Technical Specifications

• Pack Width min.	150 mm
• Pack Width max.	2.400 mm*
• Pack Length min.	100 mm
• Pack Length max.	2.000 mm*
• Pack weight max.	Up to 150 kg / m <sup>2</sup>
• Conveyor height	890 mm min.
• Table length	1.650 mm
• Table speed	30 - 40 m / min.
• Controller	Via ISB PLC
• Power. Connection	400 V, 3Ph, 50Hz
• Power Consumption	1,5 kVA
• Control Voltage	24 V, DC
• Table weight	500 kg approx.
• Colour Finish	RAL 7035 Gray

\* Dependent on table size



The SigSorter table ejects the bundle onto a customer supplied conveyor. The close-up view of the powered ball table showing the close spacing of the driven table balls for optimised bundle rotation, handling and movement. The unit ensures minimum product contact and maximum product protection for zero-defect bundle delivery, even on the smallest and most sensitive products such as RRP cases.