

Packaging stackers – *mailers & bags, paper & cardboard*



- **RS 20/SW** – from standard up to XL-size products
as single products & shingled streams

■ Applications & configurations



The RS 20/SW is a packaging stacker that automates the stacking process at the end of a production line for paper and cardboard mailers, paper envelopes, paper bags, dividers for wine boxes, and flat die-cut secondary packaging.

Due to varying requirements, the RS 20/SW can handle either **individual products** or **shingled streams** depending on the technical specifications of the upstream equipment.

RIMA is the leading manufacturer of stackers and is known for its reliable machines, rugged design, and low lifetime cost. The various options for the RS 20/SW allow for flexible configurations to meet nearly all requirements, from entry-level to high-speed/high-volume operations.

Intelligent interfaces connect the stacker to upstream and downstream equipment for automatic in-line processing, including interfaces to barcode readers, strappers, banding machines and palletizers.

RS 20/SW for single copies / cardboard



■ Features & functions

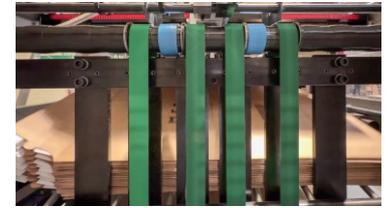
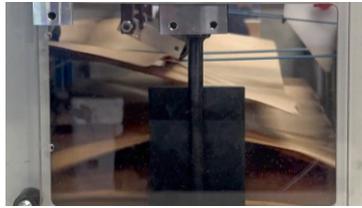
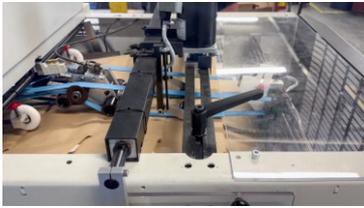
Infeed Connects the stacker to the upstream equipment & receives the products and conveys them to the upper bin for pre-collection in layers.

Options: long infeed, reject gate, stream aligner, laser counter, stream separator, a.o.



Upper bin Collects the incoming products and builds layers with a predefined count. Side-joggers make sure the products of each layer are perfectly aligned.

Options: mechanical or air jogging in upper bin



Turn-table The upper bin drops each layer into the turn-table where the final bundle is built.

Options: "table-up" option for minimal drop height & stack compression, compensation of the layers with servo-drive, turntable with extended height

Pusher A servo-driven pusher ejects the completed bundle onto the belt assisted delivery table. Pusher and delivery conveyor are fully synchronized.

Options: left / right / alternating pushout



HMI All machine settings - such as target counting, number of compensations, etc. - are done through the HMI with a color touch-screen. There is an additional lamp and horn for visual / acoustic signals. Critical settings are done on a password-protected maintenance screen.

Specials Centering feature – for not-centered products coming from the up-stream line. The frame is fixed to the floor while the machine body can be displaced laterally on linear guides. This allows to process all products centered without need of moving the stacker for different product sizes.



| Technical data | RS 2010/SW | RS 2013/SW |
|---|---|---|
| product orientation | length- or crosswise - TBC | length- or crosswise - TBC |
| product format | min 165 x 165 mm / 6.50 x 6.50" max 406 x 610 mm / 16.00 x 24.00" | min 165 x 165 mm / 6.50 x 6.50" max 406 x 610 mm / 16.00 x 24.00" |
| product thickness | 1-32 mm / 0.04"-1.25" (single cps) 1-20 mm / 0.04"-0.80" (shingle) | 1-32 mm / 0.04"-1.25" (single cps) 1-20 mm / 0.04"-0.80" (shingle) |
| upper bin | 127 mm / 5.00" | 127 mm / 5.00" |
| stack height | 235 mm / 9.25" | 330 mm / 13.00" |
| speed single copy / shingle (product permitting) | max 20 000 / 30 000 cph max 40 bundles/min | max 20 000 / 30 000 cph max 40 bundles/min |
| infeed height | 800-953 mm / 31.50-37.50" | 800-953 mm / 31.50-37.50" |
| shingle gap | 19-102 mm / 0.75-4.00" | 19-102 mm / 0.75-4.00" |
| delivery height | 875 mm / 34.50" | 875 mm / 34.50" |
| power & voltage | 2.5 KVA, 50/60 Hz, 220V, 3 ~ | 2.5 KVA, 50/60 Hz, 220V, 3 ~ |
| air requirements | 85 l/min @ 5,5 bar (1.6 cfm @ 80psi) | 85 l/min @ 5,5 bar (1.6 cfm @ 80psi) |
| weight | ~700 kg (1450 lbs) | ~700 kg (1450 lbs) |

+++ technical specifications subject to change without prior notice | performance values cannot be guaranteed & depend on product +++

