

BA | 3 | 7

Unloader



Automation after cutting

- Automatic and manual mode separable
- Processing of small pallets possible
- Modern linear guiding

The manual restacking of paper and cardboard after the cutting-process requires a lot of time and effort. The Baumann unloader gives you the opportunity to automate this process by ergonomically and economically effectively restacking single and multiple cuts with high precision.

Technical Data

		Format 3	Format 7
Max. sheet format	[mm]	800 x 1200	1250 x 1650
Max. pile height	[mm]	1400	1400
Max. layer weight	[kg]	150	300
Max. layer height	[mm]	160	160
Min. pallet height	[mm]	130	130
Power requirements	[kVA]	7	8

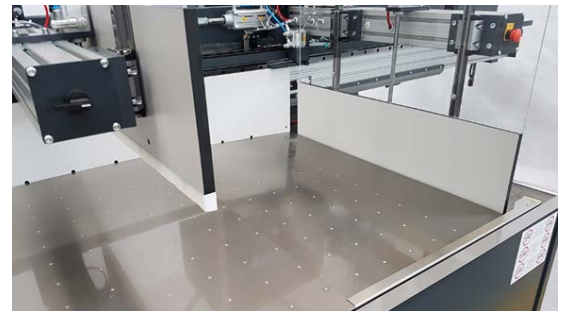
The indicated values may vary depending on the equipment/additional options

Operation

State of the art

All parameters can be adjusted from the operating panel:

- The format length detection via light sensor
- Intensity of the re-adjustment of the restacked layer
- Variable table speed
- Adjustable table air
- Number of layers per pile programmable



Safety equipment

- 3-beam safety light barrier with or without deflection mirror (length and crossways)
- Safety fence (if necessary)

(Safety equipment is not part of the machine and must be ordered separately)

Quality features

- Table surface of the unloader of stainless steel
- Table surface with micro air nozzles for improved aircushion (BA3)
- Unloader table optionally with micro air nozzles or air valves (BA5 – BA7)
- Extremely flat machine table for improved restacking results – suitable for very small cuts
- Modern linear guiding
- Frequency controlled drives
- Hydraulic lifting movements with return chain
- Precise alignment stops in light-weight construction, with wear free sliding rails underneath
- Re-enforced stops
- Automatic format limit stop

Functional principle

Highly-precise restacking. Process reliable. Fast.

Single and multiple cuts are placed by the operator on top of the table and manually aligned. The restacking stop is situated directly in front of the table, thus allowing the material to be placed onto the inclined part of the table – in direction of the material flow. By starting the program, the layer is clamped on the table.

The table is coupled with the re-stacking stop. Now, stop 1, the table and stop 2 move to the re-stacking position so that the material cannot slip. The vertical positioning of the table is controlled by the light-barrier and followed by the fine-positioning.

As soon as the vertical positioning process has been completed, the table and re-stacking stop drive together over the pile, followed by the limit-stop, until the layer has been securely clamped (on top of the table as described, underneath the table the vertical and horizontal movements – to save time - take place simultaneously).

Now the table retracts from under the layer and the layer is placed on top of the re-stacked pile.

Table and stops drive back to the initial position for a new process.

Options

Description	BA 3	BA 7
Device for picking up the layer on the rear table or unloading via the rear table	On request	On request
Pile height 1800	X	X
Chip inserter for BA-Z	X	-
Board or cardboard inserter for BA-Z	X	-
Built as gripper unloader BA-Z	X	-
Alternate stacking	X	On request
Side alignment for automatic unloading	X	-
Built as "precision unloader"	X	On request
Version for repiling system	X	X
Special voltage (differing from 400V, 50Hz, 3 phases + neutral conductor)	X	X
Additional chips	X	X
3-beam safety light barrier (with or without deflection mirror)	X	X
Service module for online remote maintenance	X	X
Safety bolt to secure the table in the upper end position	X	X
Emergency stop linking	X	X
Safety bolt to secure the table in the upper end position	X	X
Design for robotics (RC)	X	-

X = available | - = not available

06/2024 | subject to technical modifications | pictures may contain additional options.