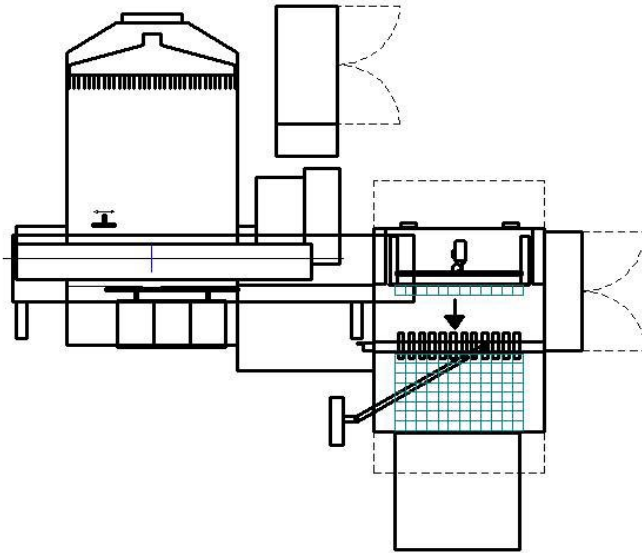# LabelSystem SC-20

for high automatic in-line production of square-cut labels with integrated banding

Description LabelSystem SC-20

The central component of LabelSystem SC-20 is automatic cutter POLAR 137 Autotrim M which efficiently produces square-cut labels. Since POLAR's automatic cutter Autotrim M cuts both strips and labels, no strip cutter or feeder table is required. The material for producing labels must be available in the form of a jogged ream.

The workflow:
The material is either manually fed via the front table, or automatically via the rear table. First of all the operator cuts the material into strips. In the automatic cutter these strips are positioned, before they are laterally aligned on the rear table before cutting. After that, the individual products are automatically cut to labels.
After the labels have been cut, they are arranged on the front table. A deloading device pushes them into the BM-105 multi-station bander. After that the row pusher takes the complete label row to the banding device. The completely banded packs are pushed further onto the delivery table from where they can be manually removed for packaging.

Customer benefits

⫻ Excellent performance of up to 1.296 bundles per 60 minutes with a minimum manpower
⫻ Greatest cutting accuracy due to the POLAR-Positioning-System DPS with a mechanical positioning accuracy of 1/100 mm
⫻ Very flexible thanks to easy and fast conversion
⫻ Highly reliable in daily use and long lifespan

Technical data

Labe size min.[1]	20 × 43 mm | 0.79 × 1.69 in
Label size max.	230 × 1.050 mm 9.06 × 41.34 in
Cutting width in automatic mode max.	1,050 mm | 41.34 in
Stack height min.	20 mm | 0.79 in
Stack height max.	120 mm | 4.72 in
Clamp pressure min.	150 daN
Clamp pressure max.	5,500 daN
Banding station max.	18
Performance max.[2]	4 cycles/ minute

Further technical data are available for download on our website.

Benchmarking (bundles / 60 minutes)

	SC-20[3]	SC-21[4]	SC-25[4]
Number of helpers | operators	1|1	1|1	1|1
24 labels / sheet (4×6 | waste cuts)	314	890	-
96 labels / sheet (8×12 | waste cuts)	712	2,044	1,053
192 labels / sheet (12×16 | no waste cuts)	1,296	3,185	1,560

[1] depending on stack height | [2] depending on material, label size
[3] including pre-cutting | [4] excluding pre-cutting

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