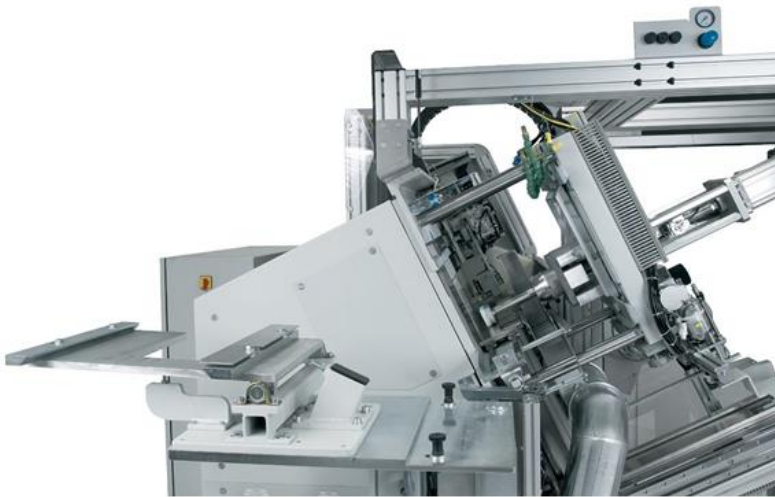# LabelSystem
DCC-12

high-quality die-cutting of compressible materials with counter pressure system

Description LabelSystem DCC-12

POLAR LabelSystem DCC-12 is designed for the highly auto- mated in-line production of banded die-cut labels made of compressible materials, such as OPP foils for in-mold. The future-proof, new industrial control system enables remote maintenance and diagnostics, as well as integration into the digital workflow. The new DCC-12 has received a significant performance upgrade. The new control system has enabled improvements to various parts of the system, resulting in a 25% increase in productivity. The new DCC-12 achieves an output of 10 cycles per minute.

The workflow:

- Strips are conveyed to the loading table of the **AC Autocut 25 PLUS** where they are being cut into label stacks
- A pusher device moves the stacks to the **System Die-Cutter DCC** (counter-pressure principle) where the stack is given its intended shape
- After die-cutting the label stacks are automatically pushed to the **Single-Station Bander BD** where they are banded

Customer benefits

- Industrial control system enables remote services as well as integration into the digital workflow
- High performance of up to 600 bundles per 60 minutes with a minimum of manpower
- Capacitive colour display with touch function enables faster, more intuitive operation
- Job changeover at the touch of a button: minimum makeready times and format changeover in approx. 15 minutes thanks to automatic pre-settings

Technical data

Label size min.[1]	50 × 50 mm | 1.97 × 1.97 in
Label size max.	170 × 250 mm | 6.69 × 9.84 in
Die-cut format size min.	46 × 46 mm| 1.81 x 1.81 in
Die-cut format size max.	166 × 246 mm | 6.54 x 9.69 in
Clamp opening min.	35 mm | 1.38 in
Clamp opening max.	120 mm | 4.72 in
Tool height min.	65 mm | 2.56 in
Tool height max.	145 mm | 5.71 in
Max. performance per minute[2]	10 cycles
Compressed air	670 l/min

Further technical data are available for download on our website.

Benchmarking

	DCC-M	DCC-12
Number of helpers | operators	2|2	1|1
Bundles / 60 minutes[2]	360	600

[1] depending on stack height | [2] depending on material, label size