

# LabelSystem DC-11

System for the highly automated  
in-line production of die-cut labels



## Description LabelSystem DC-11

POLAR LabelSystem DC-11 is designed for the highly automated in-line production of banded die-cut labels. The menu-driven system setup makes operation easier and reduces make-ready time.

### The workflow:

First of all, a POLAR high-speed cutter cuts the label material to strips, either in-line or off-line. Automatic cutter POLAR Autocut 25 takes the strips and cuts them into label stacks. A pusher device at the Autocut 25 front table takes the label stack to the DC system die-cutter.

After die-cutting the label stacks are automatically pushed to the single-station bander BD where they are banded. The ultra-sonic welding unit integrated in the BD needs no preheating, is always ready for operation and saves the material. No annoyance caused by bad smell.

## Customer benefits

- Excellent performance of up to 960 bundles per 60 minutes with a minimum of manpower
- OptiChange allows to perform a job change in only 15 minutes
- OnePunchRegister allows to position the cutting die in line with the printed image with just one pack
- Utmost cutting and die-cutting precision via fixing the material
- Highly reliable in daily use and long lifespan

## Technical data

|  |                               |
|--|-------------------------------|
| Label size min. <sup>1</sup>             | 20 × 40 mm   0.79 × 1.57 in   |
| Label size max.                          | 170 × 210 mm   6.69 × 8.27 in |
| Die-cut format size min.                 | 16 × 36 mm   0.36 × 1.42 in   |
| Die-cut format size max.                 | 166 × 206 mm   6.54 × 8.11 in |
| Clamp opening min.                       | 35 mm   1.38 in               |
| Clamp opening max.                       | 120 mm   4.72 in              |
| Tool height min.                         | 50 mm   1.97 in               |
| Tool height max.                         | 100 mm   3.94 in              |
| Max. performance per minute <sup>2</sup> | 16 bundles                    |
| Compressed air                           | 220 l/min                     |

Further technical data are available for download on our website.

## Benchmarking

|                               | DC-M             | DC-11            | DC-12 PLUS         |
|-------------------------------|------------------|------------------|--------------------|
| Number of helpers   operators | 1   1            | 1   1            | 1   1              |
| Bundles / 60 minutes          | 480 <sup>2</sup> | 960 <sup>3</sup> | 1.440 <sup>3</sup> |

<sup>1</sup> depending on stack height | <sup>2</sup> depending on material, label size  
<sup>3</sup> including pre-cutting