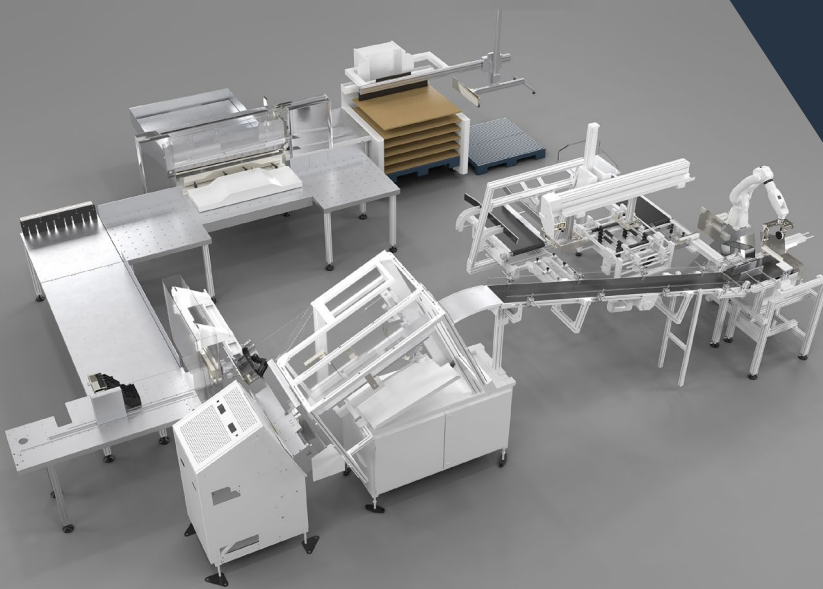


LabelSystem DC-12 RAPID

Fully autonomous system
for label production



Description DC-12 RAPID

POLAR LabelSystem DC-12 RAPID is the most productive die-cutting system from POLAR for highly automated, operator-free inline production of bundled die-cut and cut labels. The individual production steps, including the final packaging, are carried out without an operator.

RAPID – this stands for **R**obotics for **A**utonomous **P**rocessing of **I**ndustrial **D**ie-Cut Labels.

Workflow:

- The counted and pre-jogged layers are being taken from an automatic **Air-Board Lift** onto the rear table of **Automatic Cutter POLAR 137 Autotrim-M** that cuts them into strips
- Strips are conveyed to the loading table of the **AC Autocut 25 PLUS** where they are being cut according to label size, either single strips or two strips at once into label stacks
- The punching stamp pushes the stack through the **System Die-Cutter DC** (puncture 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
- The banded labels are packed by a **robot** in cartons or trays, ready for dispatch

Customer benefits

- ❖ Fully autonomous system for label production: from the cutting layer to the ready-to-ship tray
- ❖ Most efficient system in the market: 1440 bundles per hour
- ❖ Capacitive touchscreen display enables faster, more intuitive operation
- ❖ Job changes at the touch of a button: minimized set-up times and format changes in approx. 15 min. thanks to automatic presettings
- ❖ High ergonomics: no manual intervention during production, physical strain is eliminated
- ❖ New industrial control system enables remote service (remote diagnosis and maintenance) and integration into the digital workflow. Interfaces for the acquisition of data such as downtimes, die-cutting strokes, etc. are provided.

Technical data

	Single strip	Double strip
Label size min. ¹	20 × 40 mm	20 × 40 mm
Label size max.	170 × 210 mm	120 × 120 mm
Die-cut format min.	16 × 36 mm	16 × 36 mm
Die-cut format max.	166 × 206 mm	116 × 116 mm
Clamp opening min.-max.	35 - 120 mm	35 - 120 mm
Height of cutting die min. – max.	50 - 100 mm	50 - 100 mm
Max. performance / minute	18 Takte	24 Takte

Further technical data are available for download on our website.

Edition: 11.2021 \ Subject to technical alterations.