



HIGHCON EUCLID III

PRODUCTIVITY BOOST PACKAGE

Boosting the Highcon Euclid speed

Faster
Highcon Euclid

More Addressable
Jobs

Faster Return on
Investment

B1 – maximum speed of 2,250 SPH

B2 – maximum speed of 2,750 SPH

Highcon Euclid III Productivity Boost

General

- The Highcon Productivity Boost package extends the capabilities of the Highcon Euclid platform, allowing customers to produce more jobs per-shift, with higher profitability, enabling a faster return on investment
- A combination of software development and mechanical upgrade to support higher productivity, increases the maximum speed of the machine:
 - B1 (106 cm / 42 in.) – from 1,500 to a maximum speed of 2,250 SPH
 - B2 (76 cm / 29 in.) – from 2,000 to a maximum speed of 2,750 SPH
- Following field implementation of the productivity boost with existing customers, average job speed has risen:
 - For B1 (106 cm / 42 in.) jobs between 15%-20%
 - For B2 (76 cm / 29 in.) jobs, between 25%-40%

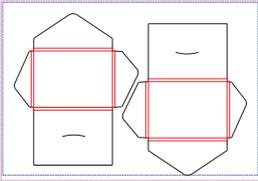
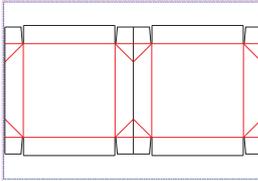
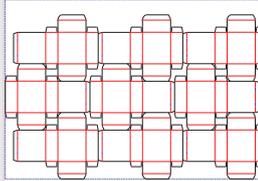
Main Components

The Productivity boost is a chargeable option applicable to the Euclid platform (Euclid III, Euclid IIIS and has full backward compatibility):

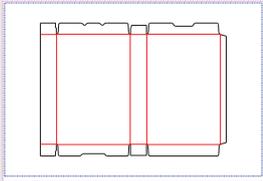
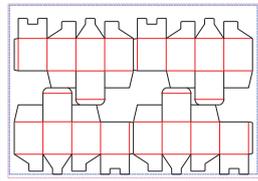
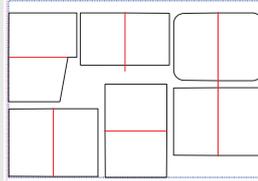
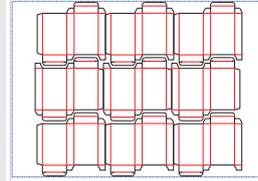
- An enhanced laser algorithm allows better optimization of laser movement and beam power utilization, resulting in a speed increase on any job.
- An updated “reduced gap” feature enables further speed increase in sheets smaller than the maximum size. The impact on speed increases as the sheet size becomes smaller.
- Upgrade of the feeding and stacking units allows support and stability at high running speed
- Increased speed and new algorithm also contribute to quality improvement.

Examples*

Sheet Size – 700X1000 mm

Job			
Number of ups	2	2	9
Euclid III speed (Sheets Per Hour)	1,500	1,400	690
Speed with productivity boost	2,250	1,800	990

Sheet Size – 500X700 mm

Job				
Number of ups	1	4	6	9
Euclid III speed (Sheets Per Hour)	1,750	1,400	1,500	660
Speed with productivity boost	2,750	2,000	2,000	1,040

* tested on Invercote G 300 gsm

F.A.Q.

Is there a speed difference for B2 jobs between the Euclid III and Euclid IIIS?

No. The speed for B2 (75 cm / 29 in.) sheet size and smaller formats is the same no matter if running them on a Highcon Euclid III or a Euclid IIIS – in addition, the impact of the Productivity boost package is the same on both machines.

Are Stripping and Advanced Registration impacted by the option?

Overall jobs that will run at speed above 1,500 SPH are less sensitive to registration and usually do not require stripping however:

- The advanced registration option is supported on any machine speed, including above 1,500 SPH
- Stripping is supported only for jobs up to 1,500 SPH



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