

The Highcon Euclid

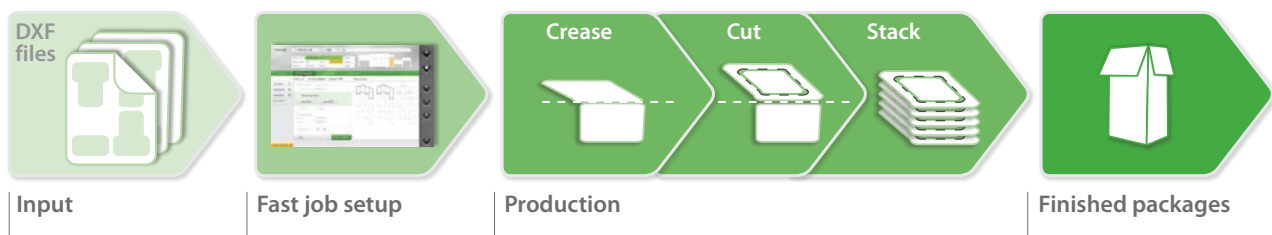
Highcon™ Euclid is the world's first entirely digital cutting and creasing production machine for folded cartons.

Highcon DART

The heart of the revolutionary new Highcon Euclid is the Digital Adhesive Rule Technology (DART).



The process



Setup

- The Highcon Euclid receives CAD cutting and creasing information from DXF files from standard prepress software into Esko ArtiosCAD
- The Highcon DART Polymer is written onto the DART Foil, instantly forming the high quality creasing rules in a matter of minutes, with no need for traditional dies
- Once the DART is created, the Euclid is ready to start production! The whole setup process takes about 15 minutes

Production

- Requires only basic operator skills
- The Euclid handles materials up to B1 size (76cm x 106cm; 30" x 42") from 0.3-0.6 mm thick
- The Feeder supplies the high quality and robust transport system, maintaining accurate registration throughout the process
- The sheets pass between the DART Foil and the DART Counter, creating the crease lines with ease and no traditional stamping
- Utilizing multiple precision CO₂ lasers and innovative optics, the cutting, perforating and marking, if required, is carried out in one smooth operation
- In addition, cutouts and decorative cuts are simple and fast
- Finally, the sheets are delivered to the stacker
- The Euclid handles up to 1,500 sheets per hour determined by the crease line length, type of substrate and job complexity
- Jobs are simply stored on a memory stick, not in a warehouse

Benefits

- Increased profitability on runs up to 10,000 sheets

Speed to market

- Reduced setup time
- Faster turnaround
- Increased efficiency
- Simplified logistics

Design flexibility

- Broader design capabilities
- Potential for customization & security

Reduced costs

- Eliminates the time and expense of conventional die making
- Reduced total cost of ownership
- Reduced labour costs

Highcon Euclid Spec.

Parameter	Item	Dimensions (metric)	Dimensions (inches)
Performance	Sheet size max.	760 x 1,060 mm (portrait)	30 x 42 in (portrait)
	Sheet size min.	350 x 400 mm (portrait)	14 x 16 in (portrait)
	Paperboard thickness	0.3-0.6 mm	12-24 pt
	Throughput up to*		
	760 x 1,060 mm	1,500 sheets/hour	
	760 x 470 mm	3,000 sheets/hour	
Pile data	Height of feeder pile	1.1 m	3.6 ft
	(inc. palette)		
	Height of delivery pile	1 m	3.3 ft
	(inc. palette)		
Technical data	Net cutting area	740 X 1,050 mm	29 X 41 in
	Gripper margin	15mm	0.6 in
Machine dimensions & weight	Length	8.6 m	28 ft
	Width	2.1 m	7 ft
	Height	2.3 m	7.5 ft
	Net weight	5 tons (approx.)	

* Throughput – Depends on cutting length lines and substrate type, based on calculations.

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