

Highcon Euclid II S - Affordable Digital Finishing for Smaller Formats

September 5, 2015

Don't miss Highcon at booth #1939 at Graph Expo 2015! We will be introducing the Highcon Euclid II S digital cutting and creasing machine, engineered to provide all the benefits of the existing line, compatible with smaller format 29 inch sheet sizes.

This machine offers customers with a digital printing press a step into the high value digital finishing world, truly reaping the benefits of an end to end digital workflow. In addition, with an upgrade option to a full Highcon Euclid II or II+, the new machine will enable folding carton converters with analog printing equipment to move easily into the digital world .

Benefits:

- New Business Growth
 - New customers
 - Existing customers
- Differentiation
 - New Products
 - New Markets
- Customer Retention
 - Process Improvement
 - Saving money
 - Time to market

The Highcon Euclid II S

The process

File → Job setup → Production → Packing process

How does the Euclid work?

Setup

- Send a file
- The Highcon patented DART (Digital Adhesive Rule Technology) polymer is written onto the DART Foil, instantly forming high quality creasing rules in a matter of minutes, with no need for a traditional die.
- Once the DART is created, the Euclid is ready to start production! The whole setup process takes minutes.

Production

- Highcon only basic operator skills
- The robust transport system maintains accurate registration throughout the process.
- The product passes past between the DART foil and the DART Carrier, creating the crease line with ease and no traditional stamping.
- Utilizing precision CO2 laser and throwaway optics, the cutting, perforating and trimming is completed in only a few seconds.
- In addition, custom and decorative cuts are simple and fast.
- Finally, the finished sheets are delivered to the stack.
- Also see single sheeted on a memory stick, not in a warehouse.

Euclid II S Performance

Substrate handling system

The substrate handling system, with sensor software and upgrade vacuum system, incorporates a built-in automatic cleaning mechanism. The Euclid II S can handle a wide range of substrate paper, including coated and uncoated. Additional sensors perform better for DART polymer and self-cleaning algorithm to ensure registration accuracy and a smooth, undamaged sheet that is ready for production and substrate.

Cutting

Optimized cutting algorithm maintains the accuracy and control over the laser power while allowing higher production speeds to be achieved.

Software

The latest version of the Euclid software offers use-friendly, make-ready, low-costing and intelligent algorithms, efficient use of consumables, all of which contribute to a more integrated productivity as well as a working service.

Crossing

Highcon's intelligent safe operation limits and programmed algorithm helps operators to keep a balance between throughput and machine, ensuring quality production with superior design flexibility. This design flexibility provides the ability to produce sharp and accurate creases.

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- Once the DART is created, the Euclid is ready to start production! The whole setup process takes minutes

Production

- Requires only basic operator skills
- The robust transport system maintains accurate registration throughout the process
- The printed sheets pass between the DART Foil and the DART Counter, creating the crease lines with ease and no traditional stamping
- Utilizing 2 precision CO2 lasers and innovative optics, the cutting, perforating and marking is carried out in one smooth operation
- In addition, cutouts and decorative cuts are simple and fast
- Finally, the finished sheets are delivered to the stacker
- Jobs are simply stored on a memory stick, not in a warehouse

We'd love to meet you and tell you more. [Click here](#) to set up a meeting with one of our representatives HighconNA@Highcon.net or contact our sales team:

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Best regards,

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