



Highcon

MAINSTREAMING DIGITAL DIE CUTTING

Highcon offers digital die cutting and creasing solutions for folding carton and corrugated packaging, and display, to meet a diverse range of needs. With Highcon's tooling-free die cutting capabilities and zero lead time, converters can produce batches faster, with no Minimum Order Quantities, making small and medium sized batches more affordable for clients and profitable for converters.



The right tool for the right job



Profitable small batches



Fast delivery



Sustainable



Fit for purpose



Print agnostic



Zero inventory



Design freedom



Deskill labor



Protect customers' investment

Digital Die Cutting Solutions for Folding Carton Production

HIGHCON BEAM 3

For Mainstream Folding Carton & Microflute Production

- High productivity, high quality, improved workflow efficiency
- Produce more than 10 jobs of 1,000 sheets per shift*
- About 50% increase in productivity compared to Beam 2, when combined with optional Beam Writer or 25% without it
- Developed based on customer feedback



Flutes: N, F, G, E ≤ 2mm | Up to 5000 SPH B1

Highcon Beam 3 Innovations:



Fast & predictable setup



15% higher running speed



High registration accuracy



Optimal folding force



Digital Die Cutting Workflow Package (DWP)



Offline crease writing (option)

Highcon Beam 3 Specifications

| | |
|-------------------------|---|
| Speed* | Up to 5,000 SPH |
| Max format (portrait) | 760x1060 mm 30x41.7" |
| Min format (portrait) | 500x700 mm 19.7x27.6" |
| Cardboard thickness | 200–900 μ 8–36 pt – cutting 200–650 μ 8–26 pt – creasing |
| Microflutes | Up to E flute, cutting and creasing |
| Height of feeder pile | 1.1 m 3.6 ft |
| Height of delivery pile | 1m 3.3 ft |
| Net cutting area | 740x1050 mm 29x41" |
| Gripper margin | 15 mm 0.59" |

*Depending on layout and substrate thickness.

Offline writing of DART foils for Highcon Beam 2/3 and Beam 2C systems



HIGHCON BEAM WRITER

Offline writing of DART foils

- Create creasing rules using Highcon's DART system and 5th Generation Consumables on a dedicated offline system
- Increase productivity by up to 25% dependent on run length
- Reduce setup times, enhance production planning flexibility, increase effective production time and addressable run lengths
- Compatible with all deployed Beam systems

Digital Die Cutting Solutions for Corrugated Production

Highcon Beam 2C: Latest upgrade boosts speed by 15%

HIGHCON BEAM 2C

Pallet feed



HIGHCON BEAM 2C NONSTOP

Nonstop feeding, stacking & waste removal



Flutes: F to C Double wall EE | Up to 4,000 SPH B1

- Upgraded for ~15% faster sheet throughput, with Beam Writer offering ~50% higher productivity per shift
- Unparalleled non-crush process meets strict corrugated industry requirements for strength and durability
- Facilitates box right-sizing, lightweighting and waste reduction, enhancing sustainability and cost efficiency
- Two configurations: Standard short-run packaging/displays with pallet feed, and field upgradable system for medium to longer runs with nonstop feeding, stacking, and waste removal

Highcon Beam 2C Specifications

| | |
|-------------------------|--|
| Speed* | Up to 4,000 SPH |
| Max format (portrait) | 760x1060 mm 30x41.7" |
| Min format (portrait) | 500x700 mm 19.7x27.6" |
| Corrugated fluted | F E B C Double wall EE 1-4 mm 0.03-0.15" |
| Height of feeder pile | 1.1 m 3.6 ft Bottom feeder in Nonstop configuration |
| Height of delivery pile | 1 m 3.3 ft 1.4m 4.5 ft - Nonstop configuration |
| Net cutting area | 740x1050 mm 29x41" |
| Gripper margin | 15 mm 0.59" |

*Depending on layout and substrate thickness.



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