The Intelligent Dieline Value Adding Opportunities for Folding Carton

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October 14th, 2009 41st International Circle Conference

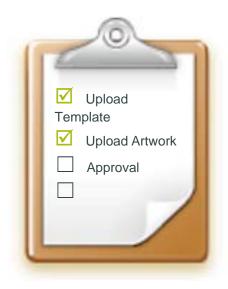




1. Challenging times for Folding Carton Converters

2. Meet Packaging Requirements ... and more!

3. Conclusion





Challenging Times for Folding Carton Converters







Brand owners and retailers – The industry drivers

What Brand Owners want ...

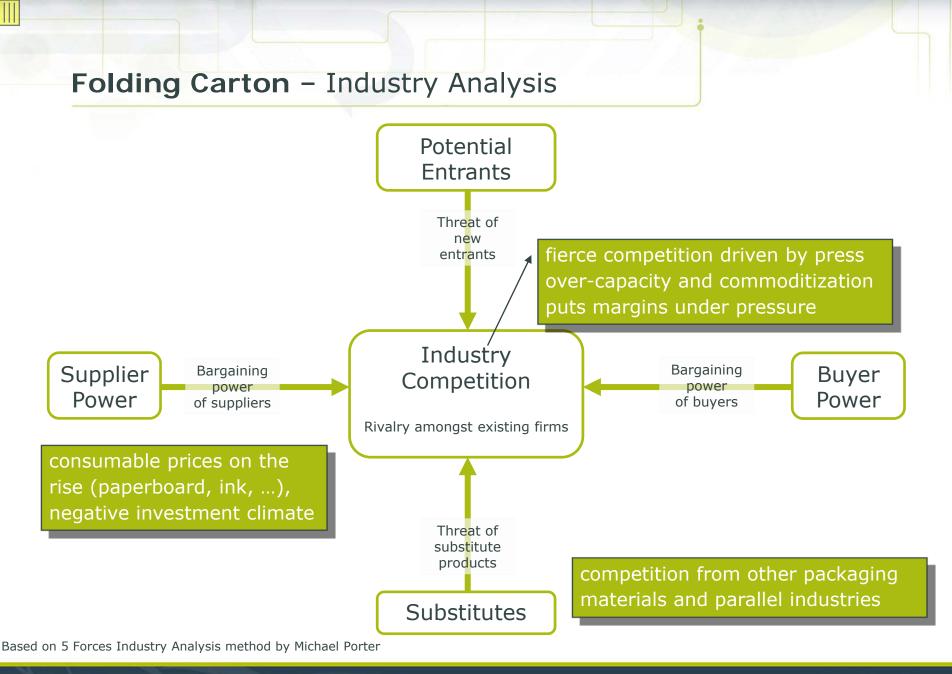
"Faster Better Cheaper Greener"



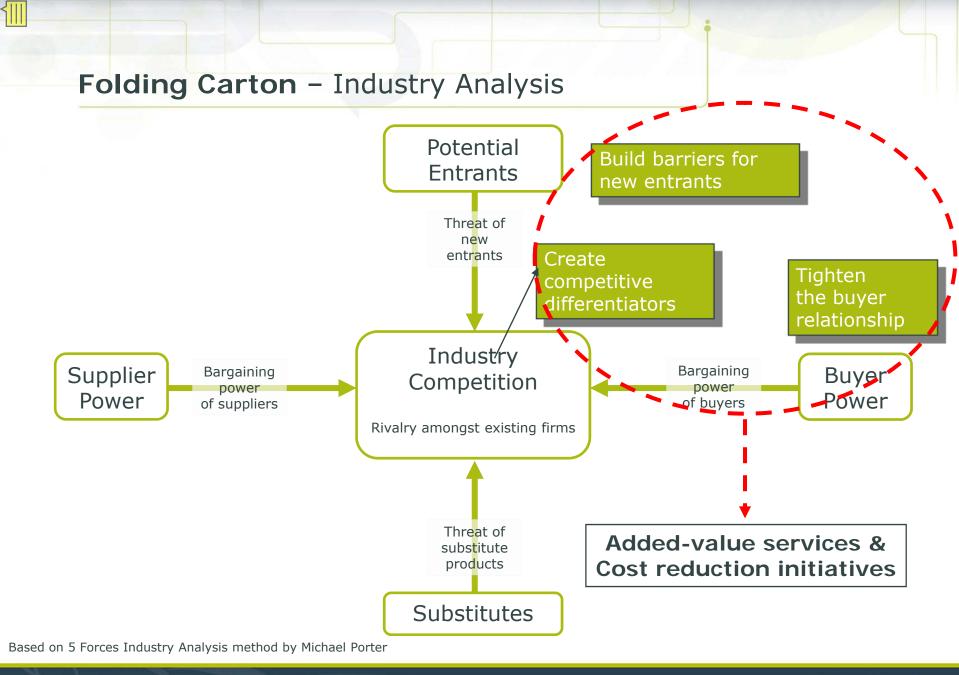
"We will listen to suppliers who provide us a company wide, global solution that is applicable to all products"

Quotes from Mr. Paul France, P&G, Digital Label Summit, March 2009











Meet Packaging Requirements ... and more

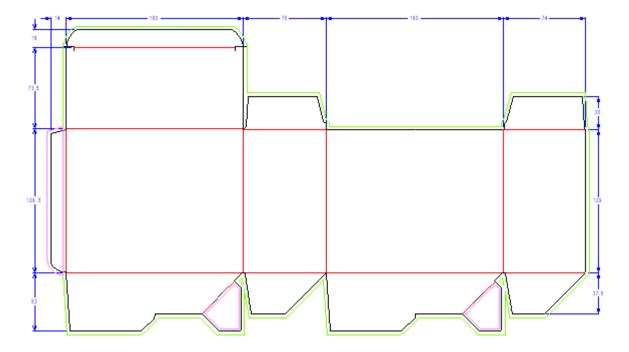
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Meet Packaging Requirements ... and more

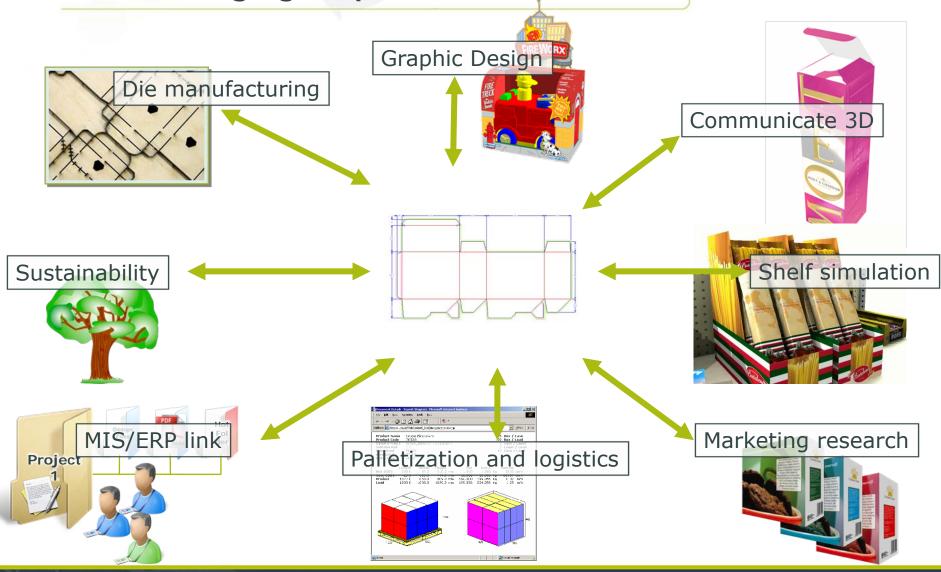
Back to your core competencies – the structural design file

- Don't look too far for opportunities to create unique add value
- You own critical assets in the packaging value chain





Meet Packaging Requirements ... and more





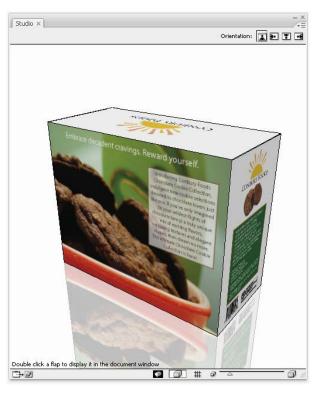
3D Design for Folding Carton - inside Adobe Illustrator

From this

to this

in 3 minutes







3D preview in Adobe Illustrator 3D PDF file



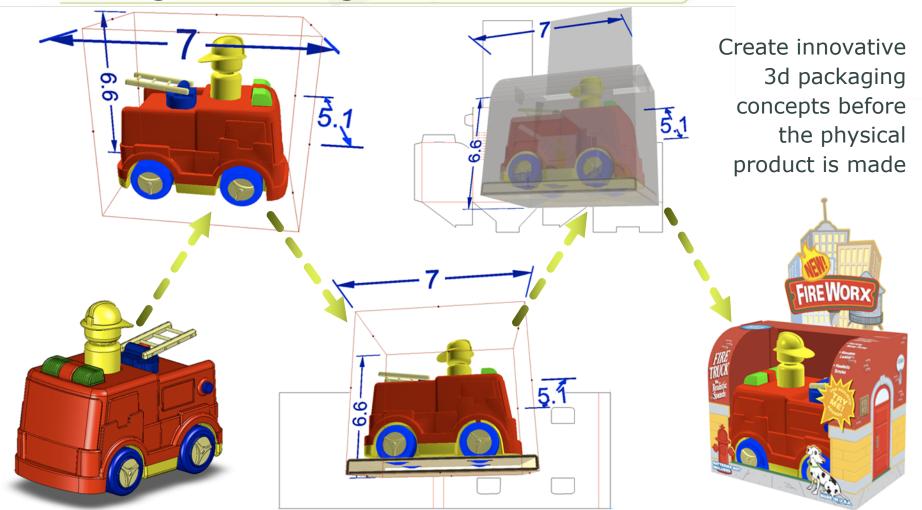


This will cost you money and customers...





Intelligent 3D design



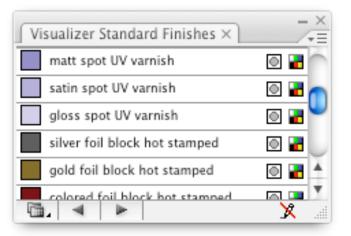


Adding Value – Virtual Prototyping for Folding Carton





Show your customer the 3D effects of substrate, special inks, foils, embossing and varnish, ...





In Store Shelf Simulation

- Hyper-realistic previews of the product inside the packaging inside the display or shelf store ...
- ... even before the first mockup is made.





In store 3D simulation technology









In store 3D simulation technology







Adding value - Market research

- Companies like Hotspex specialize in online consumer response.
- Immediate feedback from the test audience
- without bringing the test audience together!





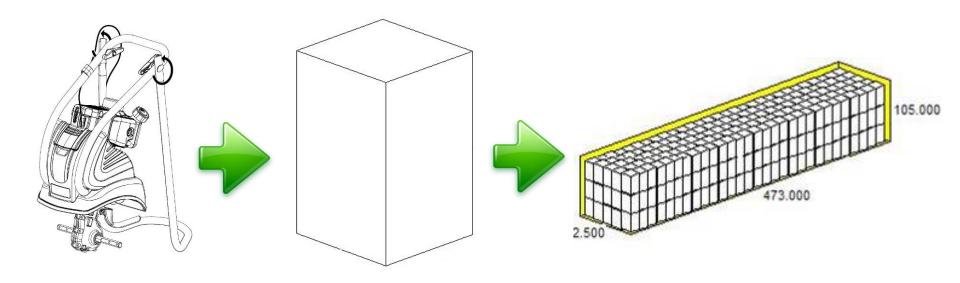






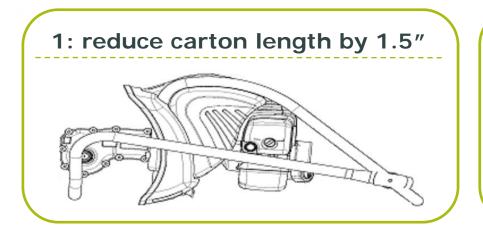
Adding Value – Palletization and Logistics software

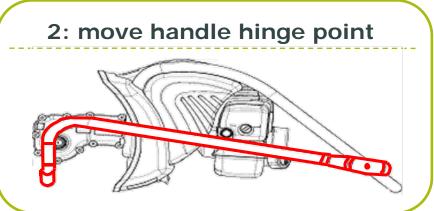
- CAD data contains info about size and weight of the final packaging.
- Based on your CAD data, applications like Cape or Tops Engineering can return Utilization Ratio's.
- Use this information to design more efficiently!

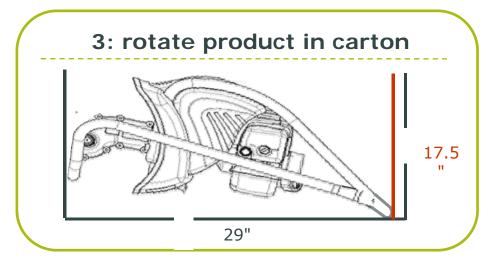




Intelligent Design Changes

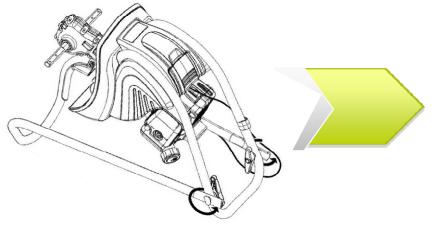




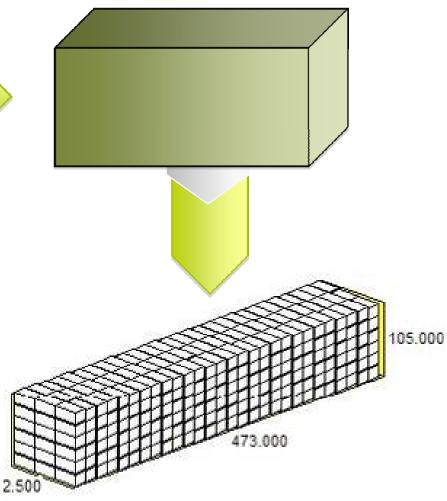




Results!



- 504 units/container
- 14% increase in utilization
- 24 fewer containers/year





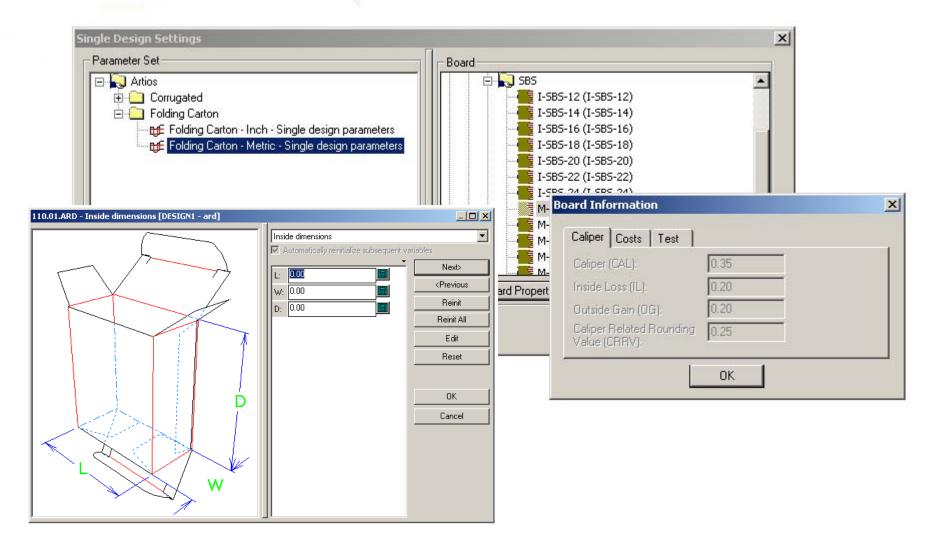
Adding value - MIS/ERP integration

- Bi-directional link between CAD workflow and business systems
- Single point of entry for design specifications and critical data
- CAD as well as graphics
- The result:
 - Reduced errors in the workflow
 - Less product recalls due to typing errors





Database driven design - CAD





Database driven design - Graphics





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How is that useful for me?



Take your games everywhere you go

Get 8X the space of the originaL Xbox360[™] Memory Unit.

- Save your game progress and transport your Xbox Live® account,
- Downtoad content from Xbox Live.
- Downtoad kiosk conten: at all participating retaiters.
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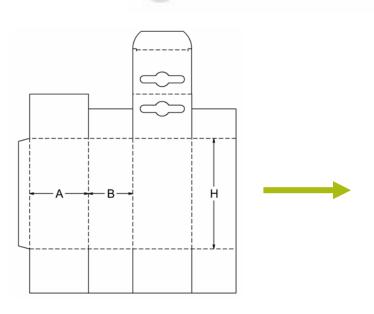
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Adding value – Sustainability and Carbon footprint

- Board specifications are linked to the die-shape.
- Feed this information in sustainability assessment software to estimate environmental impact of packaging design solutions

COMPASS" COMPARATIVE PACKAGING ASSESSMENT









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Realised Benefits

- Process reduced from **13 stages to under 10**
- **50-70% cycle time reduction** in many areas
- Error control prior to artwork release
 - Saving on supplier fees for corrections
 - No more mismatch of die line to artwork
- Shipping costs reduced by 50% or more
- Suppliers are integrated in the process
- Automated workflows reduce human errors
- Timeline **reduced by over 40%** across the entire design lifecycle process





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