

# AICC Sustainability Conference

January 2008 in AR

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Heber City, Utah

**Born in Germany in 1963**

Not too far from



# Thought Provokers

## Critical Thinking

# 1970s and 1980s in Europe

## Trash Cans

- Yellow: Plastics with Recy sign
- Blue: Glass
- Green: Compost
- Black: Trash
  
- Paper Products in bin or bale



Car Running?

# Fibre Waste Stream

## North America

- Collect about 2/3 of used
- Corrugated uses about 40% recycled fibre
- Recycled grades mostly OCC and DLK
- Ship reclaimed fibre overseas

## Central Europe

- Collect near 90% of used
- Corrugated uses 75%+ recycled fibre
- Recycled grades mainly waste based

# CO<sub>2</sub>

- Carbon Dioxide
- Main “food” for plants, trees
- Fires in vineyards and orchards to “feed” trees
- Efficiency of trees when building sugar
- One O<sub>2</sub> per one C

Side effect of “global warming”:

**Forests in North America are  
growing**

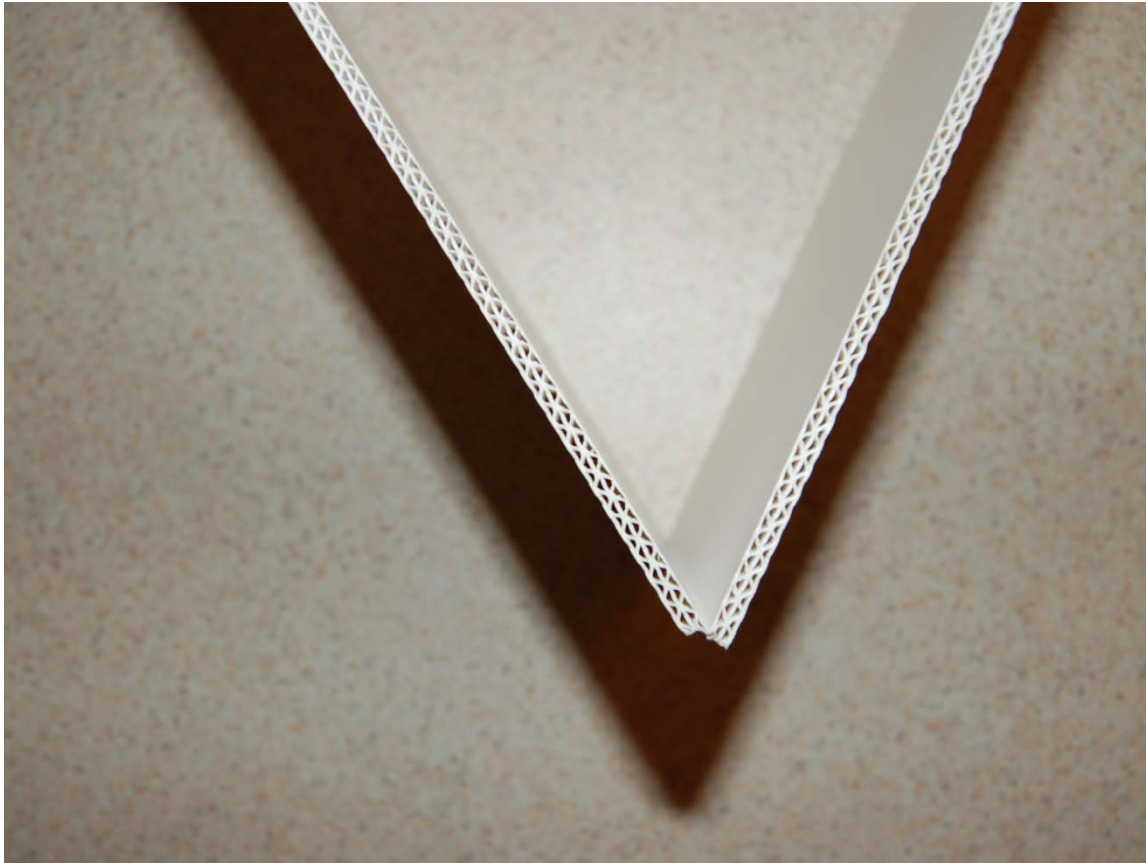
# Manufacturing for Fibre Reduction

## **C-flute 38-23-38**

- Take-up 1.44
- Total weight 109.12
- 0.165"

## **E-E DW 21-18-21-18-21**

- Take-up 1.27 and 1.25
- Total weight 108.36
- 0.140"
- STRONGER



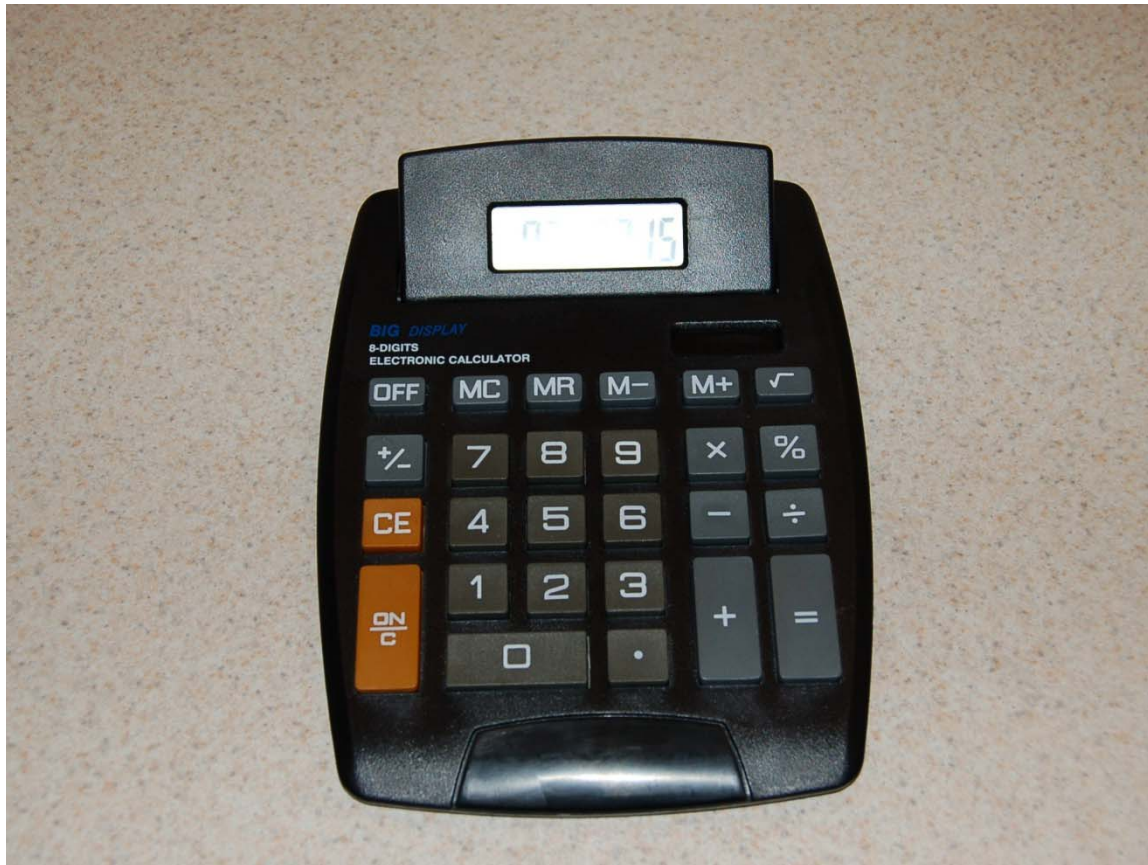
## **E-E double wall; alignment**

Two identical flute profiles could lead to perfect alignment – but who would guarantee? Rather run two differing flute profiles.



## **Replacing DW with SW Roll-over**

Packaging Innovations, Pack 'N Stack, Twin Box



## Calculator

Made in ???