



CENTER OF EXCELLENCE LIQUID PACKAGING BOARDBillerudKorsnäs Gävle

2013-11-15 | Ulf Eliasson, Mill Director BillerudKorsnäs Gävle

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WE CHALLENGE CONVENTIONAL PACKAGING FOR A SUSTAINABLE FUTURE







BOARD TO EVERY FIFTH ASEPTIC LIQUID PACK GLOBALLY COMES FROM BILLERUDKORSNÄS GÄVLE

- Liquid packaging board the dominating product
- The largest production unit globally for aseptic portion liquid pack
- White top liner also produced
- The largest production unit in BillerudKorsnäs
 - > 700 kton of annual production capacity
- 730 employees





EVERY 24H BOARD TO ~200 MILLION PORTION PACKS PRODUCED





VALUE CHAIN LIQUID PACKAGING BOARD

Packaging manufacturers

Dairy, beverage & food companies



Retailers

Consumers















VERY HIGH DEMANDS ON LIQUID PACKAGING BOARD

EXAMPLE OF DEMANDS

Consumers

- Product safety
- Environmental profile
- Recyclable

- Grip stiffness
- No leakages
- Attractive print

Retailers

- Printabilty attractive package
- Efficient handling

Dairy, beverage & food companies

- Runability in filling machines at high speed
- Formability
- Resistance to various liquids

Packaging manufacturers

- Printability
- PE-adhesion
- Creaseability

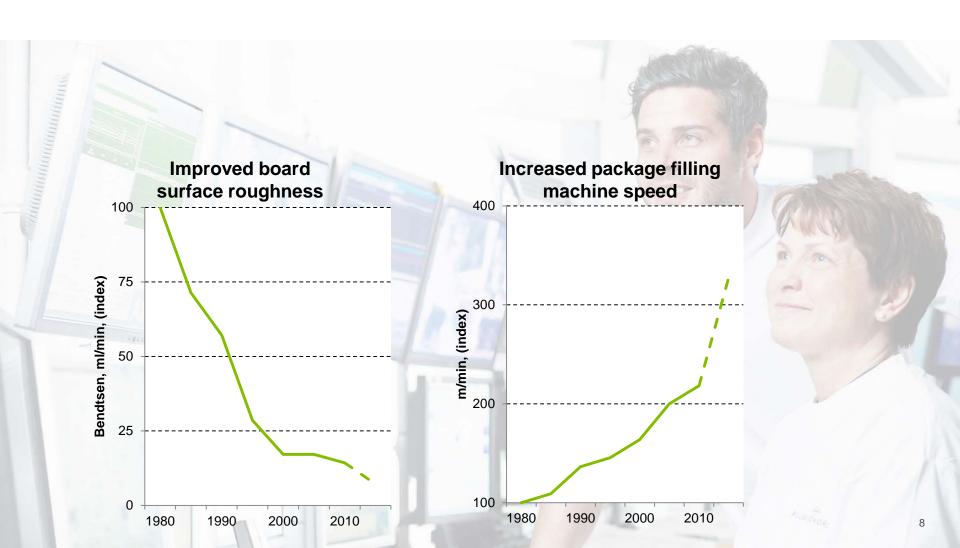


WE MEET EXTENSIVE QUALITY REQUIREMENTS...

- 35 quality parameters measured off-line
- Extensive on-line measurements of basic quality parameters
- Surface defects are measured on-line
 - CCD-cameras analysis the paper web for defects down to size of 1 mm²
- Extensive visual inspections
- Demanding microbiology standards

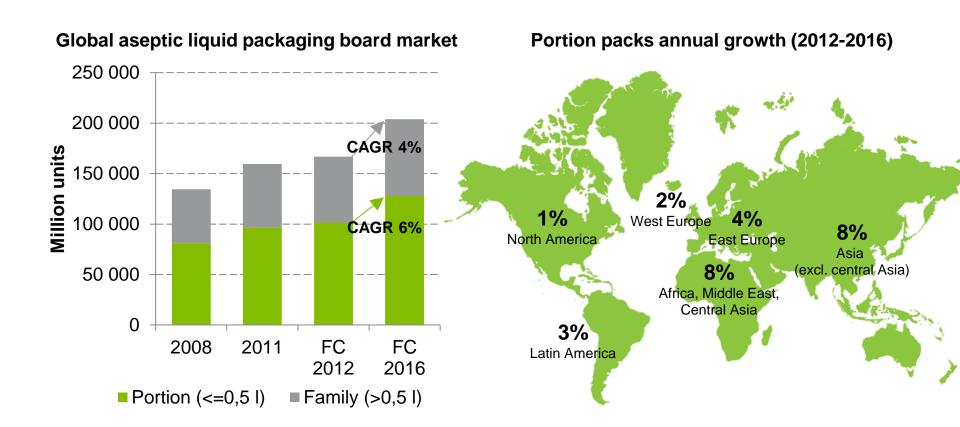


... AND HIGHER REQUIREMENTS FROM CUSTOMERS





PORTION PACKS EXPECTED TO GROW BY 6%



Source: BillerudKorsnäs, Zenith&Warrick.



OUR MACHINES ARE WELL POSITIONED FOR PORTION PACKS

- Both machines in Gävle are designed to produce portion packs with high productivity
- PM4 two ply concept for packages from 100ml to 500ml
- PM5 three ply concept for packages from 250ml to 500ml
 - Also production of board for packages from 500ml to 1000ml



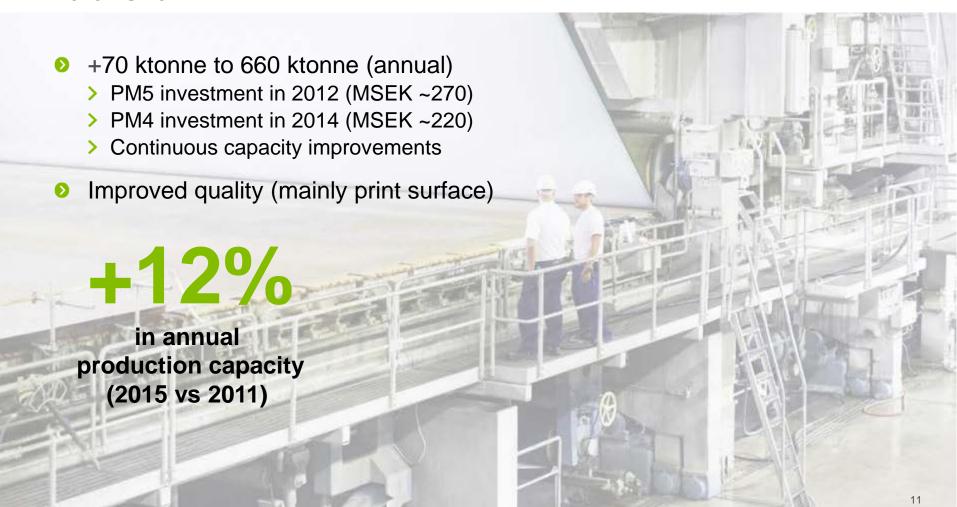






DEBOTTLENECKING INCREASING CAPACITY SHORT-TERM

2015 VS 2011





OUR COMPETITIVE ADVANTAGES

- Long term and excellent relationship with liquid packaging board customers
- Deep market, production and development competences within liquid packaging board area
- Attractive product portfolio
- High asset quality with well invested board machines
 - Highly efficient board production
 - Cost competitiveness through high degree of integrated chemical pulp production
 - Swap ability between machines







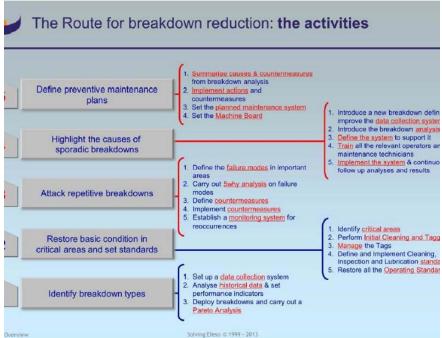
BKOM (BILLERUDKORSNÄS OPERATIONAL MANAGEMENT)

A STRUCTURED AND CONTINUOUS APPROACH TO ERADICATE BUSINESS LOSSES AND MAXIMIZE PERFORMANCE





Improvement Team: Reduction in pulley breakdowns





EXPANDING FOOTPRINT IN CONSUMER PACKAGING

LIQUID PACKAGING BOARD





