

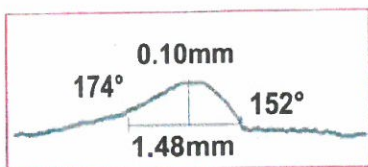
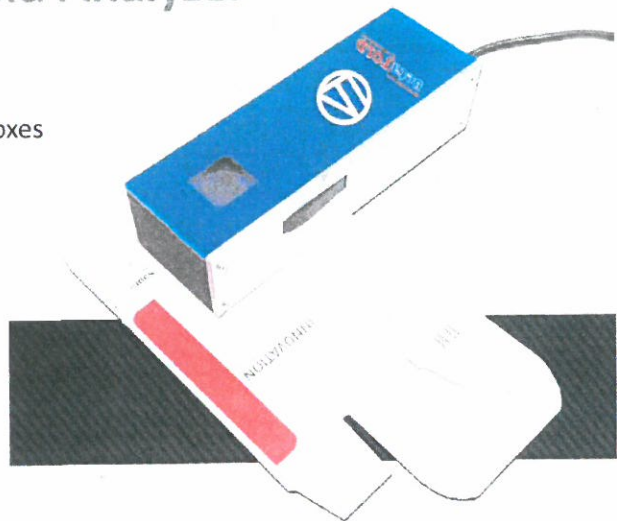
BETA FOLD Crease & Fold Analyzer

The Importance of Crease Control

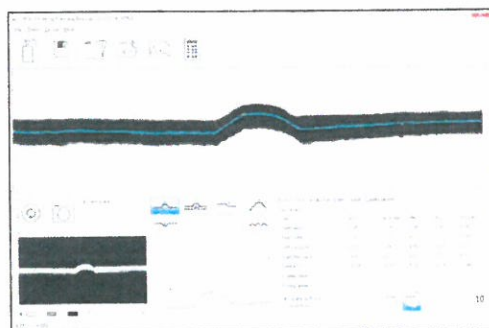
- **REDUCING EXPENSIVE WASTE & REJECTS** due to unusable boxes
- **REDUCE** variations in the cutting & creasing process
- **MINIMIZE** runnability problems on the packaging line

PAPER STRUCTURES & FOLDING BEHAVIOUR VARY WITH

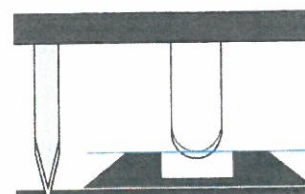
- Fiber lengths, fiber content, and fiber orientation
- Coatings, bond between coatings and paper
- Printed ink & varnish
- Drying conditions that affect the flexibility of the substrate
- Environment – humidity in the pressroom



BETA FOLD SOFTWARE
Images & Analyzes Bead
Dimensions & Delamination
for Production Correction



CALCULATE STATISTICS, CREATE QUALITY REPORTS



Detect changes in die penetration due to knife wear

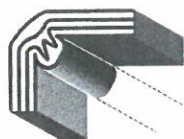
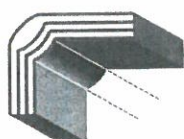
THE THEORY



IN PRACTICE



Fiber-fiber bonds between plies are broken to make creased areas behave like a hinge



Insufficient delamination
Bead Binding, Extensive
Tension Spine fracturing
or crease end splitting

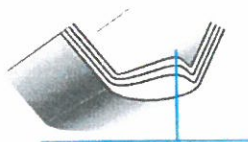
**A crease
is a
double
fold!**

Bead symmetry is driven by the folding point sharpness



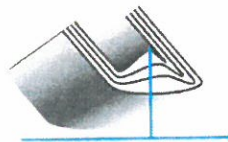
Application

Folding carton
On the press
After gluing
In the QA Department



Measure

Bead
Crease
Folding angle



Verify

Bead height, Crease depth
Bead width, Symmetry
Left fold point
Right fold point



**symmetrical edges give
your product a high
quality look**

Document

Quality Reports in PDF
Format, establish Statistical
Database

Free 10-Day Trial