

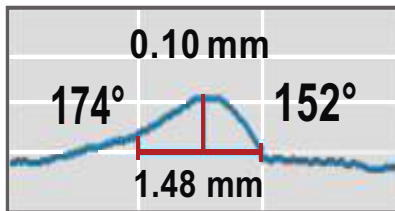
# BETA FOLD CREASE & FOLD ANALYZERS

- **REDUCE EXPENSIVE WASTE & REJECTS**
- **CONTROL** variations in the cutting & creasing process
- **MINIMIZE** runnability problems on the packaging line

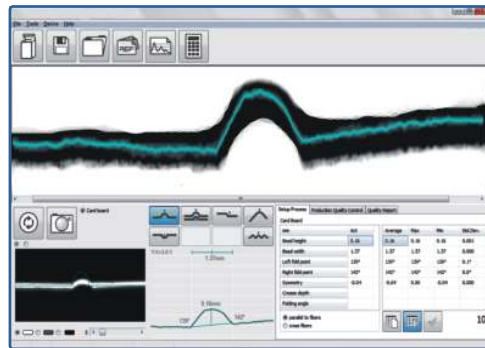


## PAPER STRUCTURES & FOLDING CHANGE WITH

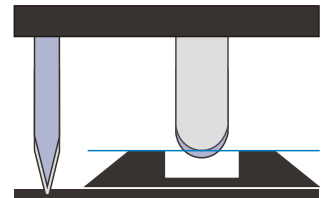
- Fiber lengths, fiber content, and fiber orientation
- Coatings, bond between coatings and paper
- Printed ink & varnish
- Drying conditions that affect the flexibility of the substrate
- Environment – humidity in the pressroom



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

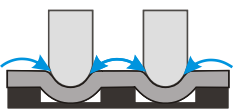


**CALCULATE STATISTICS  
& CREATE QUALITY REPORTS**

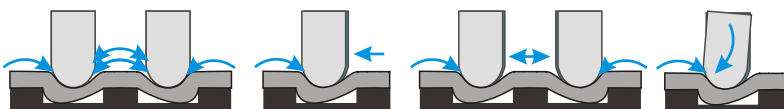


**Detect changes in  
die penetration due  
to knife wear**

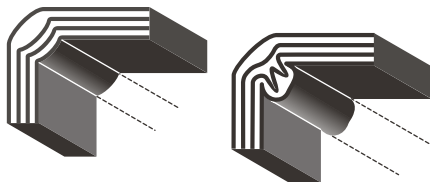
## THE THEORY



## IN PRACTICE



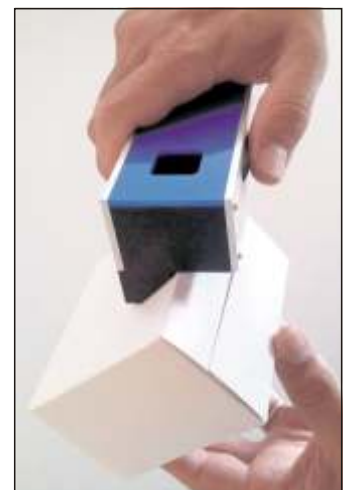
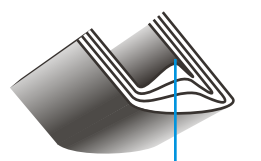
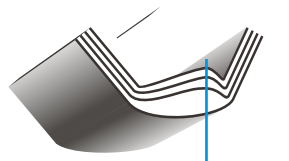
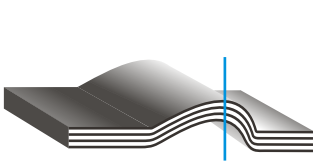
Fiber-fiber bonds between plies are broken to make creased areas behave like a hinge



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



**Symmetrical Edges to  
Insure Your Products  
High Quality Look**

### 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

### Document

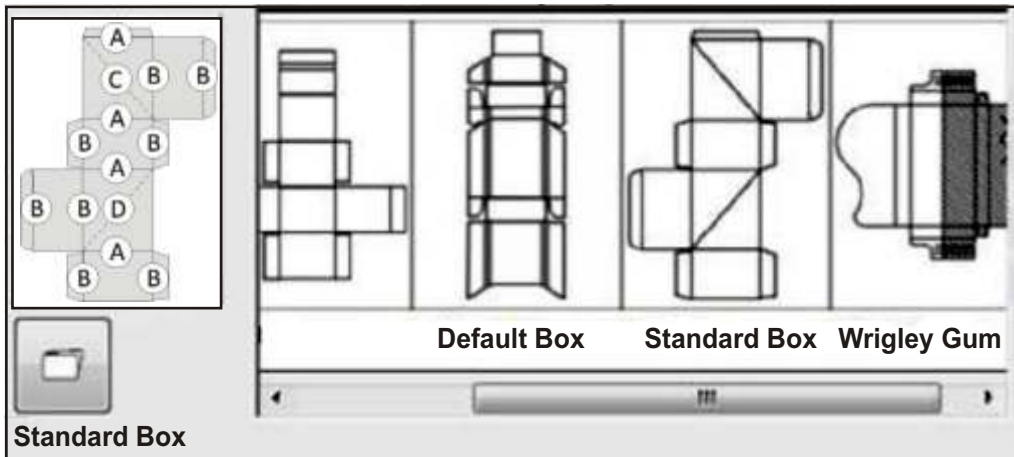
Quality Reports in PDF  
Format, establish Statistical  
Database

**Free 10-Day Trial**

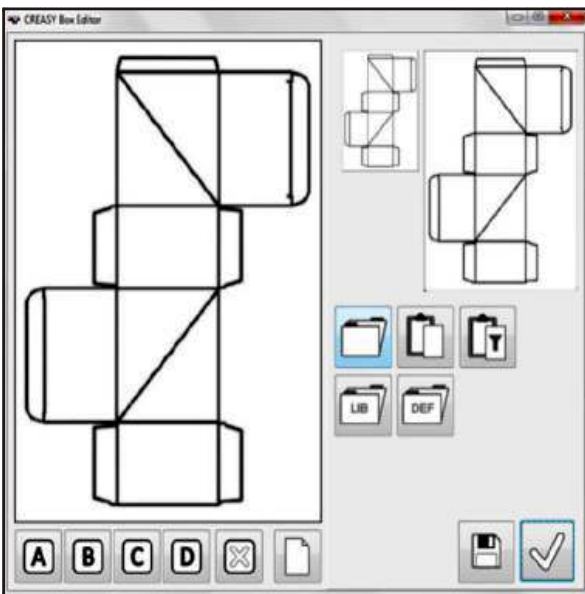
# BETFOLD ADVANCED

**BETFOLD ADVANCED SOFTWARE** supports networking for multiple users where a variety of different box types are in production. **BETFOLD ADVANCED** also supports several multi-user client installations working with the central server database and network.

**CREATE CUSTOMIZED BOX LAYOUTS** **Betafold ADVANCED** offers a Box Editor that enables you to copy any existing Box layout from a PDF or a JPG file or load one of the pre-defined box layout from the box library. You can add or remove measurement positions for [A], [B], [C], or [D] type creases. After saving the new layout this will be available in the list of selectable box layouts in the reference Window.



**USING CUSTOMIZED BOX LAYOUTS** To simplify when use a large number of boxes, the **ADVANCED** software stores box layouts graphically with their reference numbers. When a reference number is selected, the box's graphic image is loaded and displayed with it's measurement positions. The final report prints the customized box layout with the measurement data.



## MULTIPLE USER INSTALLATIONS & NETWORKS

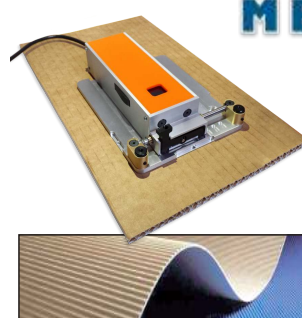
**BETFOLD ADVANCED** offers interfaces for networks with several installations all connected to the server. Three levels are offered by the software:

- **NONE** : only the Standard Database is shared by the client installations, but no additional communication takes place between clients and server.
- **TCP-IP**: The clients are using a common Database. The Server application lists all connected clients including the actually used reference and job ID and can send messages to the clients. The clients can retrieve the next job and reference from the server application.
- **HOTFOLDER**: This interface is offered for customer specific integration of the Betafold into existing work flows. Communication is realized by means of a Hot Folder.

**UPGRADING BETAFOLD STANDARD TO BETAFOLD ADVANCED** Betafolds can be upgraded to the **ADVANCED** version via Upgrade codes. An initial software version of **v1.3.0.0** or later is required.

## BETACORR Corrugated Analyzer

**CONTROL CHARACTERISTICS IN HIGH END CORRUGATED FLUTE DIMENSIONS & LINERS ESSENTIAL TO PRODUCE THE HIGHEST QUALITY PRODUCT FOR POP DISPLAYS APPAREL, WINE, GIFT ELECTRONICS & MORE**



**MEASURE  
ANALYZE  
CORRECT**

- **FLUTE PROFILES**
- **CREASE PROFILES**
- **WASHBOARD EFFECT**