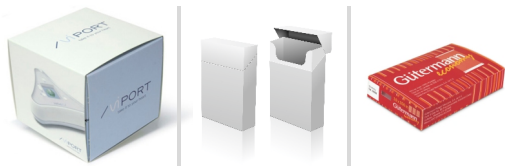


CREASY Converting Creasing Analyzer



Creasing and Folding are critical steps in the box forming process.



Application

Folding carton
On the press
After gluing
In QA Department

Measure

Bead
Crease
Folding angle

Verify

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

Documentation

Quality Report in PDF
Statistics



Anwendung

Faltschachtel
An der Maschine
Nach dem Verkleben
In der QA Abteilung

Messen

Rillwulst
Rille
Faltungswinkel

Prüfen

Rippenhöhe
Rippenbreite
Linke Faltkante
Rechte Faltkante
Rillentiefe
Symmetrie

Dokumentieren

Qualitätsbericht als PDF
Statistik



Applicazione

Cartotecnica
Presso la macchina
Astuccio incollato
Dipartimento QA

Misurare

Cordonatura
Incavo
Angolo di piega

Verificare

Altezza rilievo
Larghezza rilievo
Piega sinistra
Piega destra
Profondità incavo
Simmetria

Documentazione

Relazione Qualità in PDF
Statistica



Application

Papeterie
machines à gauffer
etui collé
Dans le département QA

Mesure

Rebord
Rainure
Angle de pliage

Vérifier

Hauteur de rebord
Largeur de rebord
Pli gauche
Pli droite
Profondeur de rainure
Symétrie

Documentation

Fiche de contrôle en PDF
Statistique



Aplicación

Cartonería
En la máquina
Después del encolado
En el departamento QA

Medir

Reborde
Hendido
Angulo de doblado

Verificar

Altura Reborde
Anchura Reborde
Parte izquierda del plegado
Parte derecha del plegado
Profundidad del hendido
Simetría

Documentación

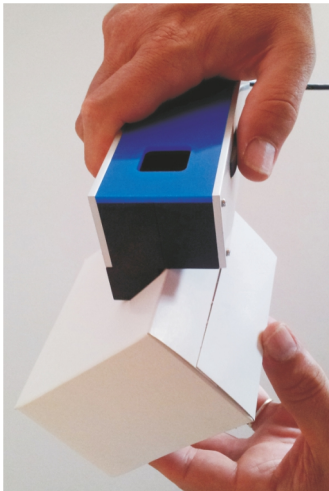
Reporte de calidad en PDF
Estadística

Why creasing control is important

- No customer will accept cracks and splitting on folded packaging products
- No customer will accept non-uniform packaging boxes
- The paper structures and folding behaviour vary with
 - Fiber lengths, fiber content, fiber orientation
 - Coatings, bond between coating and paper
 - Printed ink, varnish
 - Drying conditions affect the flexibility of the substrate
 - Environment – humidity in the pressroom
- The cutting & creasing process itself has variations
- Help to avoid runnability problems on the packaging line
- Help to avoid waste because of unusable boxes

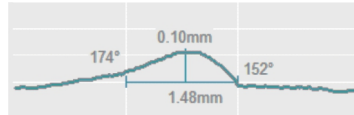


Software Creasy included

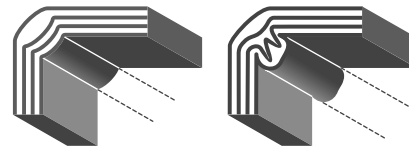


A symmetrical edge gives your product a high quality look.

The Bead dimensions - a delamination parameter.

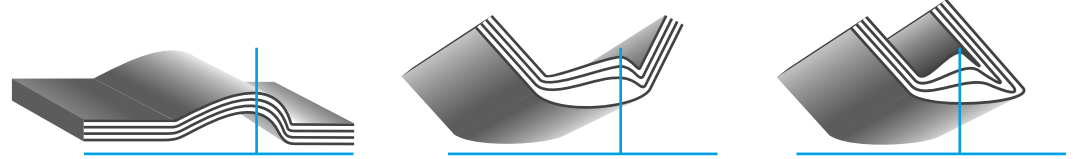


Fiber-fiber bonds between plies are broken to make creased area behave like a hinge.



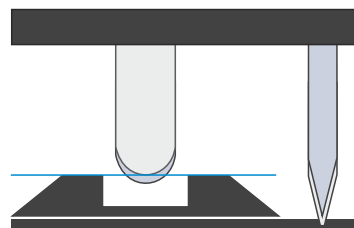
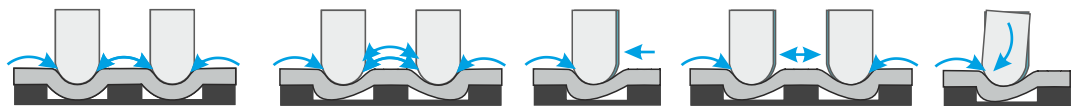
Insufficient delamination
Bead Binding Extensive
Tension Spine fracturing
or crease end splitting.

The Bead symmetry is driven by the folding point sharpness

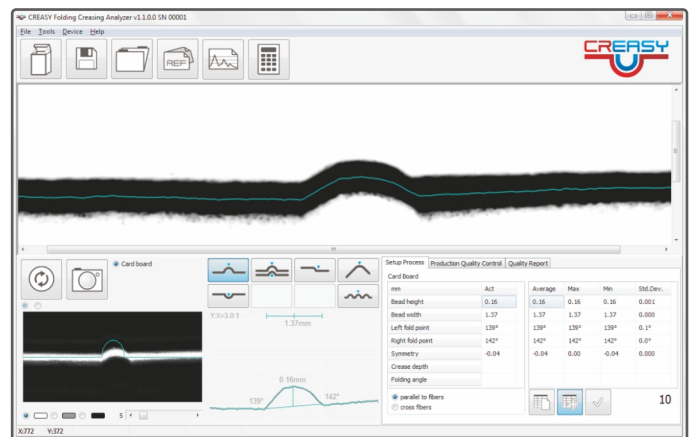


Theory

Practice



The knife abrasion changes the penetration depth of the rule.



Use the CREASY software to calculate statistics and to create quality reports in PDF.

A crease is a double fold!