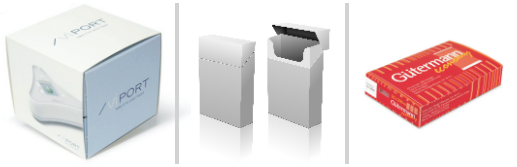
# CREASY Converting Creasing Analyzer




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

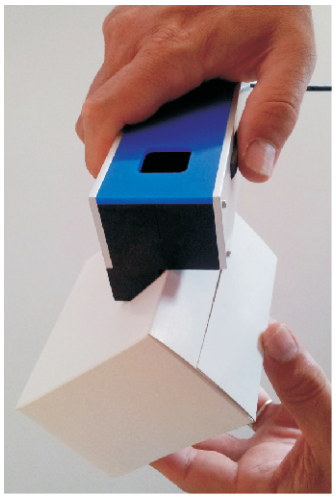
| | | | | |
|---|---|---|---|---|
| **Application** | **Anwendung** | **Applicazione** | **Application** | **Aplicación** |
| Folding carton | Faltschachtel | Cartotechnica | Papeterie | Cartonería |
| On the press | An der Maschine | Presso la macchina | machines à gaufrer | En la máquina |
| After gluing | Nach dem Verkleben | Astuccio incollato | etui collé | Después del encolado |
| In QA Department | In der QA Abteilung | Dipartimento QA | Dans le department QA | En el departamento QA |
| **Measure** | **Messen** | **Misurare** | **Mesure** | **Medir** |
| Bead | Rillwulst | Cordonatura | Rebord | Reborde |
| Crease | Rille | Incavo | Rainure | Hendido |
| Folding angle | Faltungswinkel | Angolo di piega | Angle de pliage | Angulo de doblado |
| **Verify** | **Prüfen** | **Verificare** | **Vérifier** | **Verificar** |
| Bead height | Rippenhöhe | Altezza relievo | Hauteur de rebord | Altura Reborde |
| Bead width | Rippenbreite | Larghezza relievo | Largeur de rebord | Anchura Reborde |
| Left fold point | Linke Faltkante | Piega sinistra | Pli gauche | Parte izquierda del plegado |
| Right fold point | Rechte Faltkante | Piega destra | Pli droite | Parte derecha del plegado |
| Crease depth | Rillentiefe | Profonditá incavo | Profondeur de rainure | Profundidad del hendido |
| Symmetry | Symmetrie | Simmetria | Symétrie | Simetría |
| **Documentation** | **Dokumentieren** | **Documentazione** | **Documentation** | **Documentación** |
| Quality Report in PDF | Qualitätsbericht als PDF | Relazione Qualitá in PDF | Fiche de contrôle en PDF | Reporte de calidad en PDF |
| Statistics | Statistik | Statistica | Statistique | Estadística |

# CREASY Converting Creasing Analyzer

## Why creasing control is important

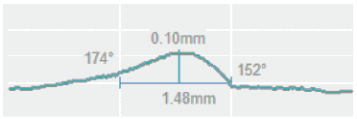
- No customer will accept cracks and splitting on folded packaging products
- No customer will accept non-uniform packaging boxes
- The paper structures and folding behaviour vary with
  - Fiber lenghts, fiber content, fiber orientation
  - Coatings, bond between coating and paper
  - Printed ink, varnish
  - 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

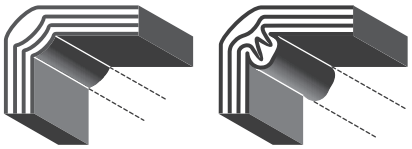


A symmetrical edge gives your product a high quality look.

## The Bead dimensions - a delamination parameter.

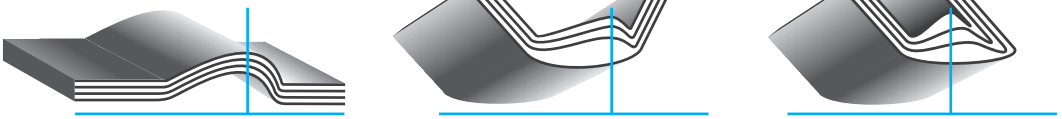



## Fiber-fiber bonds between plies are broken to make creased area behave like a hinge.

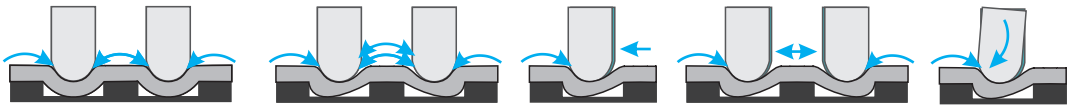


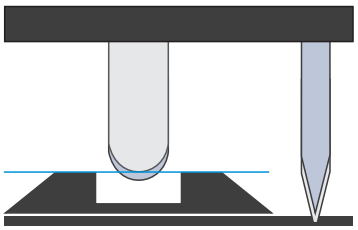
Insufficient delamination
Bead Binding Extensive
Tension Spine fracturing
or crease end splitting.

## The Bead symmetry is driven by the folding point sharpness

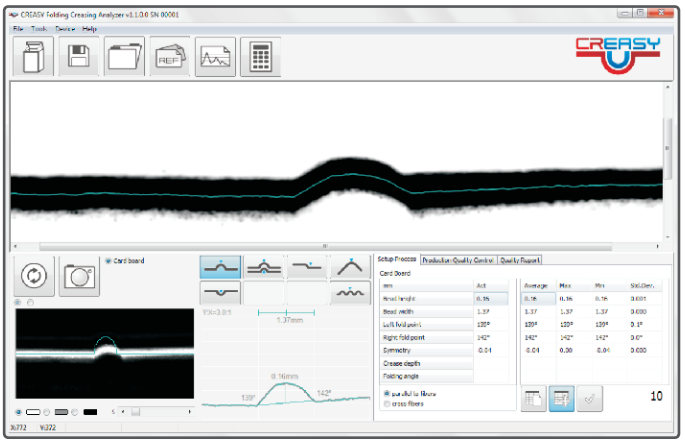


**Theory** **Practice**





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!**