BetaFold Crease & Fold Analyzer Data Sheet & Product Accessories

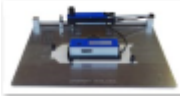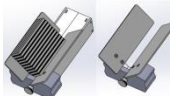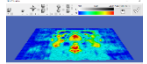## BetaFold SYSTEM REQUIREMENTS

- Windows 10 – 32bit or 64bit
- Screen resolution : 1920 x 1200 or higher
- USB 2.0 High Power (5V-500mA)
- EGUIDE-PRO2 requires an additional USB 2.0 High Power port

BetaFold TECHINICAL DATA

Parameter	Value
Viewing area	3/8" (1cm) across the crease
Measurement range height/depth	0.015" (0.40mm) / 0.026" (0.65mm)
Illumination	White LED
Camera	BW / 1.3 Mpixel
Communication	USB 2.0
Power Supply	USB 2.0 high power
Accuracy	+/- 0.00012" (0.003mm)
Repeatability	+/- 0.00012" (0.003mm)
Measurement time (typical)	1 second
Size	1.5" x 2" x 5.5" (3.8cm x 5cm x 14cm)
Units of measure	Inch / mm
Calibration / Verification	Target included

BetaFold FUNCTIONS

Function description	BASIC	ADVANCED	POWER CREASE Advanced required	LASER CREASE Advanced required	RULE Advanced required	EGUIDE-PRO2 Advanced required Power Crease recommended	POWER BOX Advanced required	3D View Advanced & EGUIDE-PRO required	Cutting Edge Advanced Power Crease required
HARDWARE TOOLS									
MEASUREMENT FUNCTIONS									
Bead Measurement	x	x							
• Height	x	x							
• width	x	x							
• left fold point	x	x							
• right fold point	x	x							
• symmetry	x	x							
Crease Measurement	x	x							
• depth	x	x							
• width 50%	x	x							
• opening (narrow and standard)	x	x							
• section			x						
• symmetry			x						
• profile			x						
• width at customized depth level other than 50%			x						
Multi Crease (round corner) Measurement		x							
• height		x							

Feature								
• distance		x						
Beveled Edge			x					
Laser Crease				x				
Cross Section Measurement		x						
Embossing Measurement		x						
De-bossing Measurement		x						
Multi Embossing/ De-bossing		x						
Area Embossing						x		
% of area deeper than reference						x		
Motorized Scanning						x		
Load & Save Scanned Images						x		
Angle Measurement	x	x						
• Bead width	x	x						
• symmetry	x	x						
• folding angle	x	x						
• radius							x	
• roundness							x	
Scoring line							x	
Cutting Edge								x
Cutting Edge Reference								L/T/R/B 4 levels
Creasing Rule (with separate License code)					x			
• rule height					x			
CUSTOMIZED BOX BLANK								
Box Blank	standard	customized						
Folded Box							customized	
Box Editor		x						
Box Blank Layout library		x						
Import formats for Box Blank Layout		JPG, BMP, PNG, PDF						
Customized crease type names and hints		x						
Customized		x						

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measurement positions									
Customized Box Layout incl. Measurement positions in PDF reports		x							
Customized Box Layout for Embossing applications			x						
Customized Box Layout for folded Boxes							x		
REFERENCE DEFINITIONS									
Reference database	x	x							
Crease types per reference (across fibers, parallel to fibers)	4	7							
Customized crease type names		x							
Customized crease type description		x							
Measure reference samples directly in reference database window to create reference set		x							
Link customized box blank layout to a reference set		x							
Channel width and depth calculator	x	x							
Crease Channel references and tolerances	x	x							
Bead profile references and tolerances	x	x							
Crease profile references and tolerances			x						
Embossing references and tolerances			x						
E-Guide Embossing references and tolerances						x			
Folded Box Angle							x		

references and tolerances									
REPORTS AND STATISTICS									
Customized Logo and Header Text in PDF reports	x	x							
Setup Process Statistics (Average, Max, Min, Std.Dev.)	x	x							
References in Setup Process statistics	4	7							
Setup Process report in PDF	x	x							
Save measurement data into tab delimited text file	x	x							
References in Job Quality Statistics	4	7							
Job Quality Statistic for Bead control	x	x							
Job Quality Statistic for Crease control			x						
Job Quality Statistic for Embossing control			x						
Job Quality Statistic for Tool control (BOBST only)	x	x							
Job Quality Statistics for folded Boxes								x	
Job Quality Report in PDF	x	x							
Save Job Quality data in tab delimited text file	x	x							
Job Summary Report for Bead control	x	x							
Job Summary Report for Tool Control (BOBST only)	x	x							
Job Summary Report for Crease control			x						
Job Summary Report for Embossing control			x						

Job Summary Report for Folded Boxes							x		
3D Display of Embossing Results								x	
Network support									
Network installation		x							
TCP-IP		x							
Hot Folder		x							
Common Reference database on the server		x							
Report destination directory on the server		x							
Disable editing in client installations		x							
Other									
Password protection	x	x							
Auto Save Capture and Analysis Images			x						
Load and Save Captured Images	x	x							

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