NEW X-RITE eXact Xp

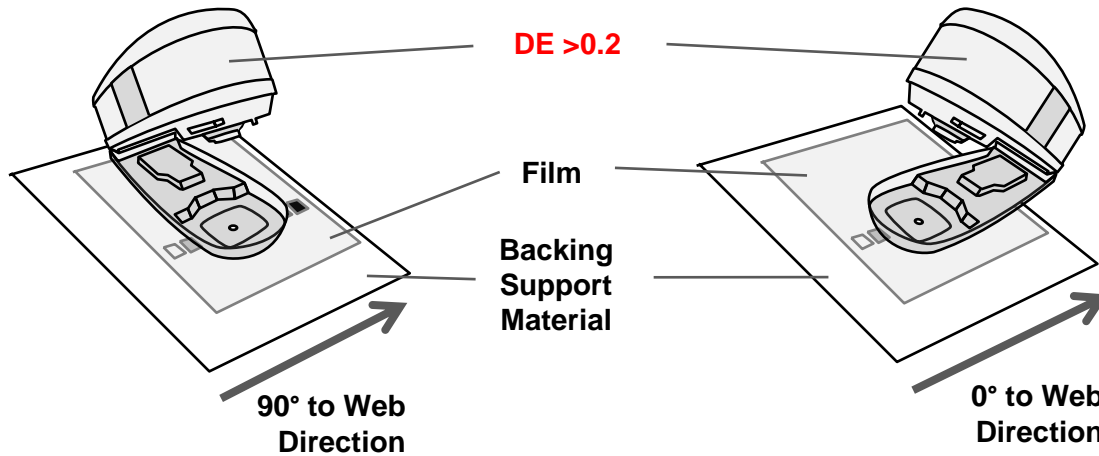Accurate & Consistent
Color Measurement
on Flexible Film

Current X-Rite eXact

- Ideal solution for measuring CMYK, spot colors and ECG (extended color gamut)

- Supports latest industry standards (ISO, PSO, G7, Japan Color)

- Single color measurement & scanning of charts / color bars in one device

- For Offset, Flexo, Gravure & Digital Print

- Process control, Quality assurance, Pass fail analysis, Proofing, Monitor and adjust ink volume

x·rite

PANTONE®

Why eXact Xp?

- Addresses the current measurement device issues of measuring on flexible film under different angles

DE >0.2

Film

Backing
Support
Material

90° to Web
Direction

0° to Web
Direction

x·rite

PANTONE®

Challenges of Measuring color on Flexible Film

- Inconsistency when reading color due to the film extrusion direction
- Not having the the correct backing material when performing color measurements.

Film

Adhesive

Backing Support Material

As showed in diagram, all film substrates should be supported by a backing material, preferably with adhesive, heat lamination, static or a liquid layer to achieve consistent color measurements

x·rite

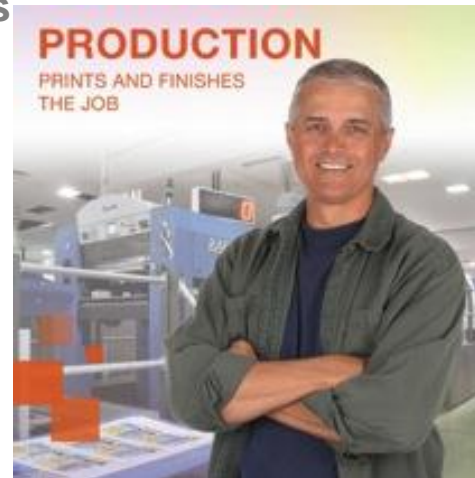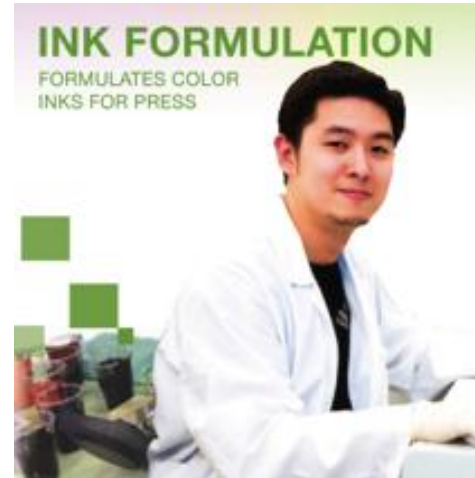**PANTONE®**

Samples of measurements on Sensitive Film

Findings

1. Many film samples are insensitive to orientation of the measurement instrument

2. Several samples exhibit a maximum variation greater than 1 dE*

3. Some samples show variation when rotating the instrument by only 12°

4. This issue exists in models like X-Rite eXact & Techkon SpectroDens

TARGET CUSTOMERS

- **Ink Manufacturers**

- **Flexible Packaging Converters**

INK FORMULATION
FORMULATES COLOR
INKS FOR PRESS

PRODUCTION
PRINTS AND FINISHES
THE JOB

x·rite
PANTONE®

eXact Solutions

NEW

Models	eXact	eXact Xp*
Densitometer	✓	✓
Standard	✓	✓
Advanced	✓	✓
Standard with Scan	✓	✓
Advanced with Scan	✓	✓

Options:

- Bluetooth
- Alignment Bars for eXact Scan (56 cm / 22" or 112 cm /44")
- PantoneLIVE license
- NetProfiler 3

*eXact Xp does not support M3 measurement mode (polarization)

x·rite

PANTONE®

eXact Xp

- ✓ Available in the same versions as current eXact
- ✓ Features reduced sensitivity to orientation issues on film materials
- ✓ Does not include ***M3 measurement mode (polarization)***
- ✓ Same instrument specifications
- ✓ Updated eXact Manager, DataCatcher and DataMeasure
- ✓ Support of X-Rite and 3rd Party software

8

eXact Xp SOFTWARE SUPPORT

Software	Required Version	Update Availability Target
X-Rite eXact Manager	v1.4	May 2, 2016
X-Rite DataCatcher	v1.2	May 2, 2016
X-Rite eXact DataMeasure	v1.3	May 2, 2016
X-Rite NetProfiler 3	v3.3.3	May 2, 2016
X-Rite ColorCert	V2.7	June 2016
X-Rite Color iQC Print	v9.5	April 29, 2016
X-Rite InkFormulation	v6.3*	June 2016
X-Rite Color Master	v8.9.5 + Plug-In	May 2, 2016

* With current InkFormulation 6.2, DLL needs to be manually replaced

x·rite

PANTONE®

WHAT'S IN IT FOR INK MANUFACTURERS AND FLEXIBLE CONVERTERS?

1 Reduce Costs – Substrate & Inks

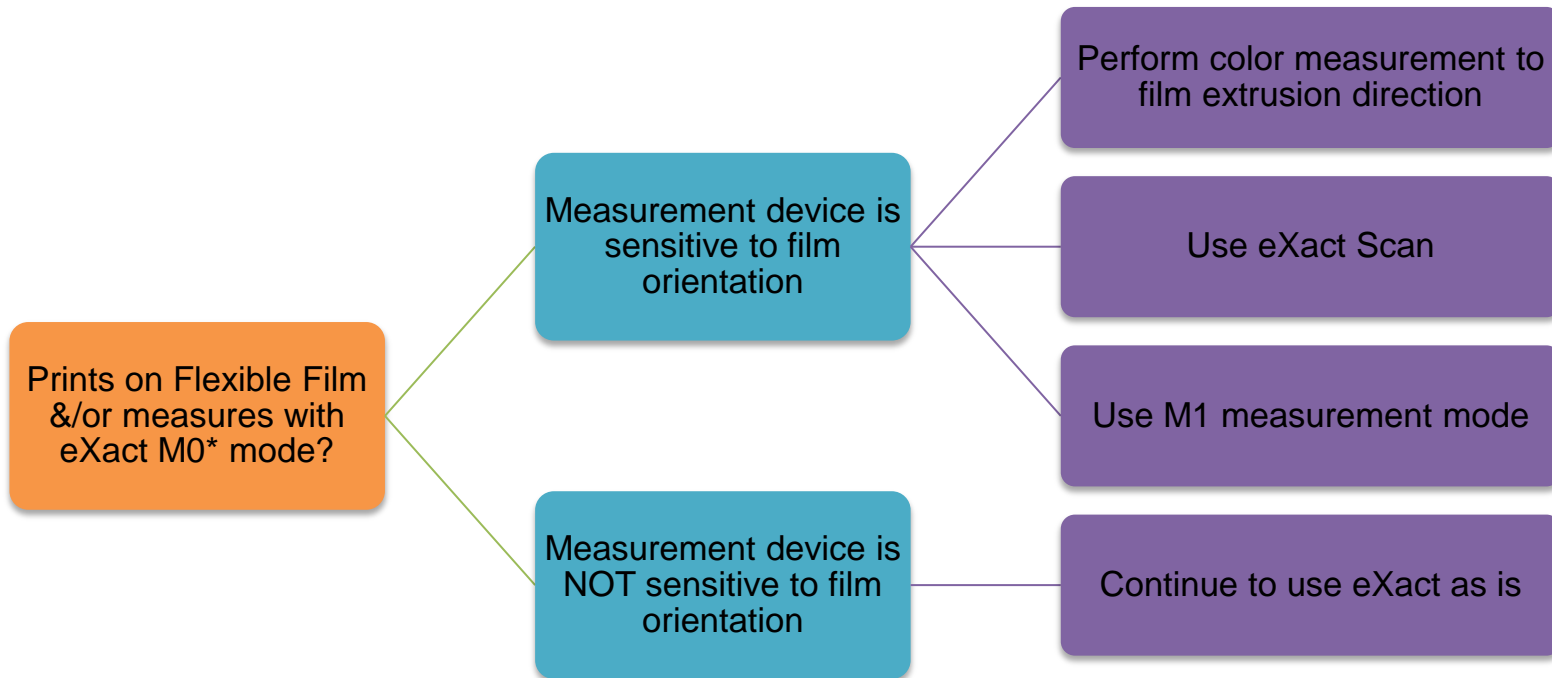**2** Manage Quality and Consistency

3 Meet customer color expectations & Reduce customer rejections

Can I use my current eXact for Flexible Film?

- **Yes! The following things need to be taken into account:**

```
Prints on Flexible Film
&/or measures with
eXact M0* mode?
│
├── Measurement device is
│   sensitive to film
│   orientation
│   ├── Perform color measurement to
│   │   film extrusion direction
│   ├── Use eXact Scan
│   └── Use M1 measurement mode
│
└── Measurement device is
    NOT sensitive to film
    orientation
    └── Continue to use eXact as is
```

The optical configuration of eXact is such that M1 mode is not sensitive to orientation on film materials

x·rite

PANTONE®

Can I convert my current eXact to eXact Xp?

- Yes! Any existing eXact can be converted to the same model eXact Xp version
- The conversion requires to return the existing instrument to an X-Rite service center with an RMA form http://www.xrite.com/support_repair.aspx
- After the conversion, the instrument will no longer measure M3 mode (polarization)

Cost and Terms of the conversion:

Purchased between Nov '15 & April '16	Under New or Extended Warranty	Under Service Contract	Out of warranty
No cost	Recertification cost	No additional cost, if part of standard recertification service	Flat-rate repair cost
No cost Original warranty persists	Conversion is performed at no additional cost when a standard recertification service is purchased	Conversion is performed at no additional cost when standard recertification service is performed as part of the service contract deliverable	Conversion is performed as part of a flat-rate repair service

COLOR AS YOU IMAGINED IT

x·rite

PANTONE®