

5<sup>th</sup> International Prinect User Days, October 8<sup>th</sup> and 9<sup>th</sup>, 2014

# ISO-compliant measurements without re-measuring all dry sheets

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## Requirement

From their print shops big brand owners and ad agencies demand for a certificate granting the required color quality



Inhouse standards, ISO 12647-2, G7, individual agreements

Especially the check for ISO 12647-2 must be performed on dry sheets.



## Today's approach

 Marking the print production under the terms of the contract E.g. every 300<sup>th</sup> sheet must be measured



- Extremely costly:
  - → Working time fo 20 sheets appr. 25 minutes
  - → Later in the Postpress department
  - → Delay on delivery





#### Using spectral data directly from the press

- OK-sheet adapted to:
  - Standard of the measurement system
  - Customer setup
  - Sample
  - Proof
- OK-sheet is the reference to control the print run
- ΔE, Density and TVI are recorded
- Only OK-sheet must be re-measured





## Wet and dry inks

- (ISO) Standards always give values for dry inks
  E.g. Black = 16-0-0
- Press Operator handles wet sheets. The reference values are different to the dry values.
   E.g. Black = 10-0-0
- The color measurement system at the press needs other references than the print buyer expects.
- Open question: How will the press man know the print is correct?



#### Creating a "Wet Standard"

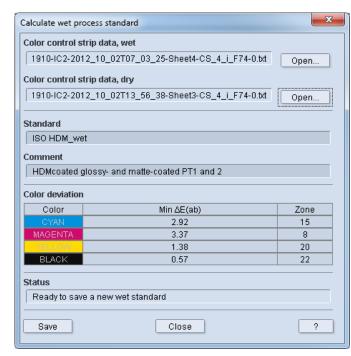
 Printing a print control strip with different ink settings and save measurement data to the "Wet-Dry Assistant" in the Prinect Color

Toolbox. Use Illuminant M2 or M3.

 Measure the dry sheets with illuminant M1

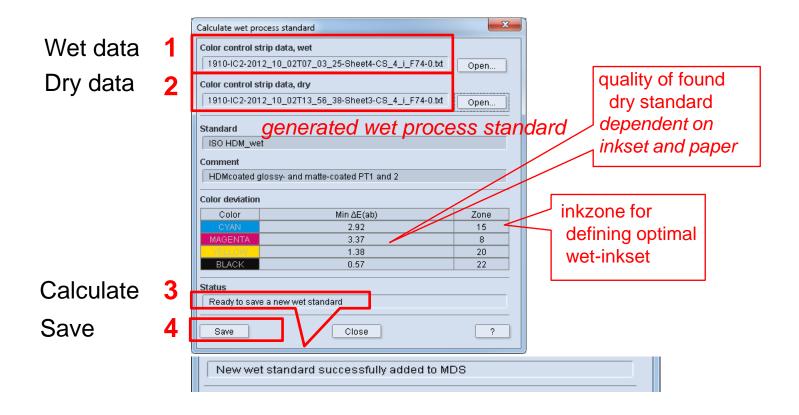
 The Wet-Dry Assistant identifies the best match

 Press operator sets the wet standard at the press' color measurement system



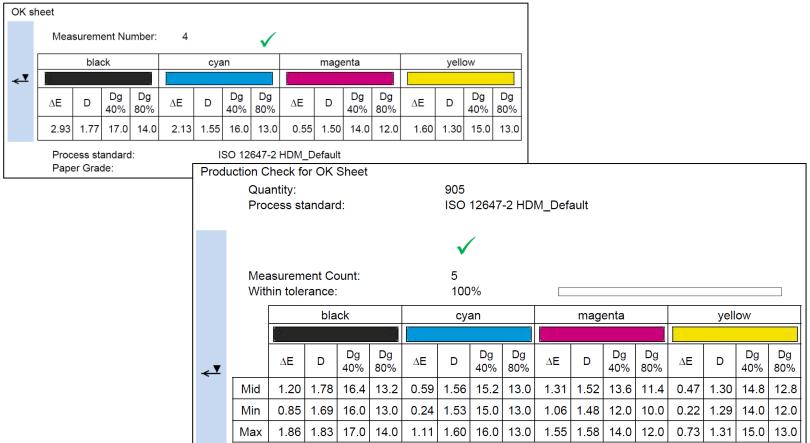


## Operating steps in Quality Monitor



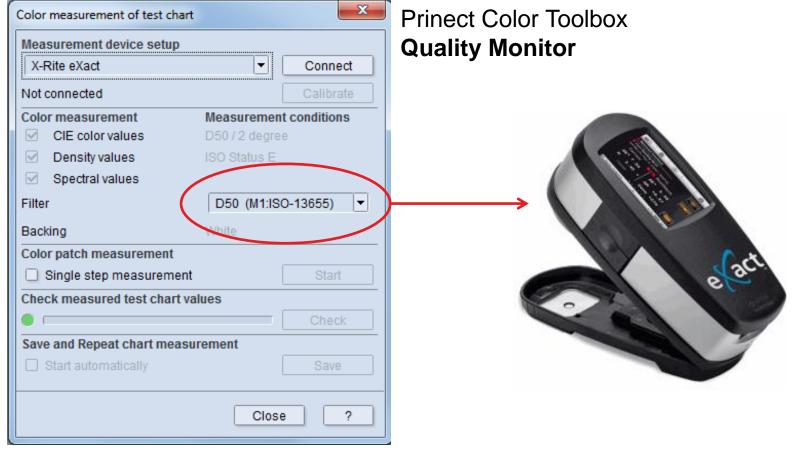


## Let's have a look to the new Analyze Point first



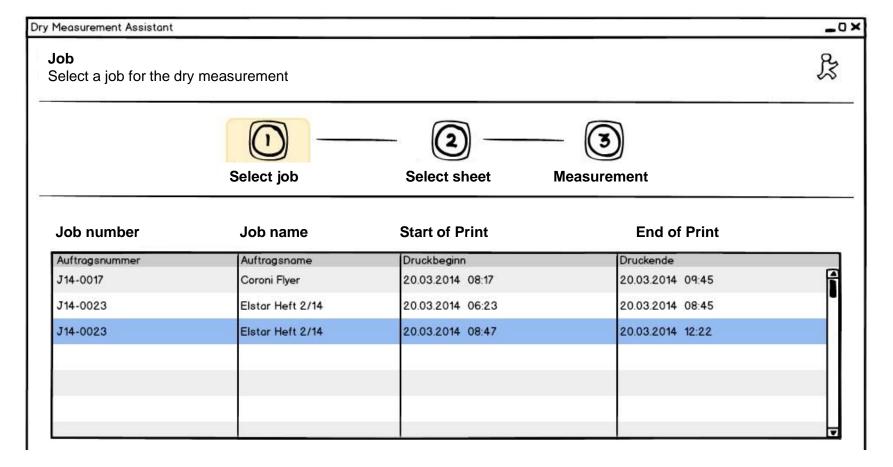


## Adding the dry measured OK-sheet



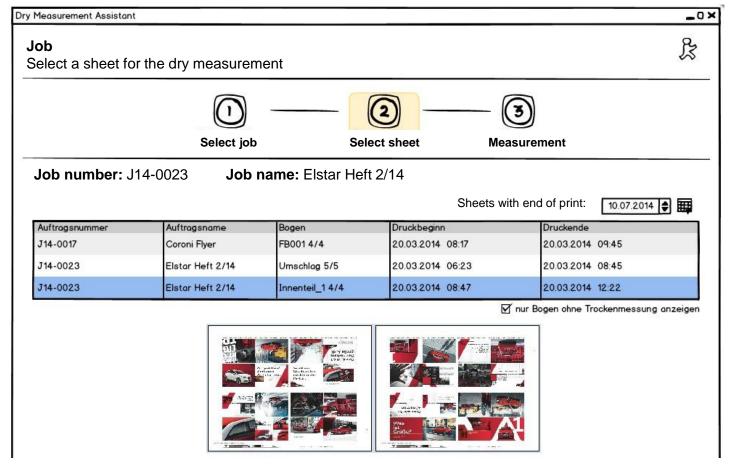


#### New funktions of the Prinect Color Toolbox



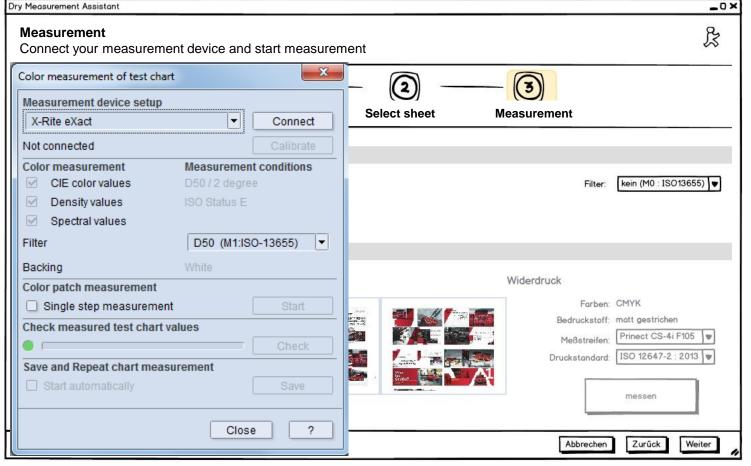


#### New functions of the Prinect Color Toolbox



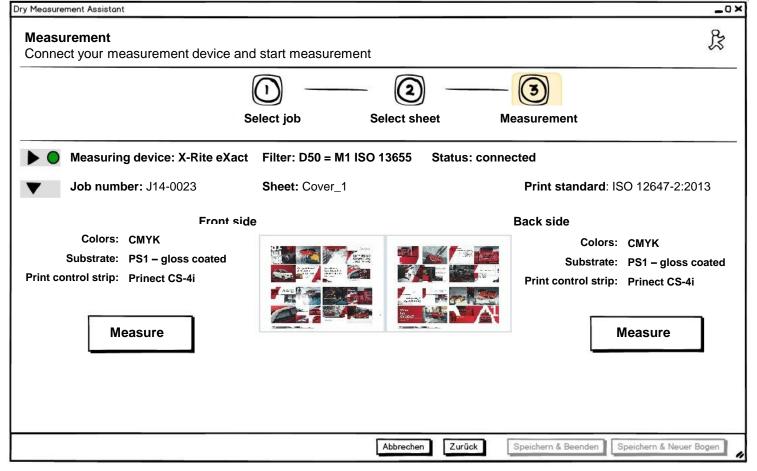


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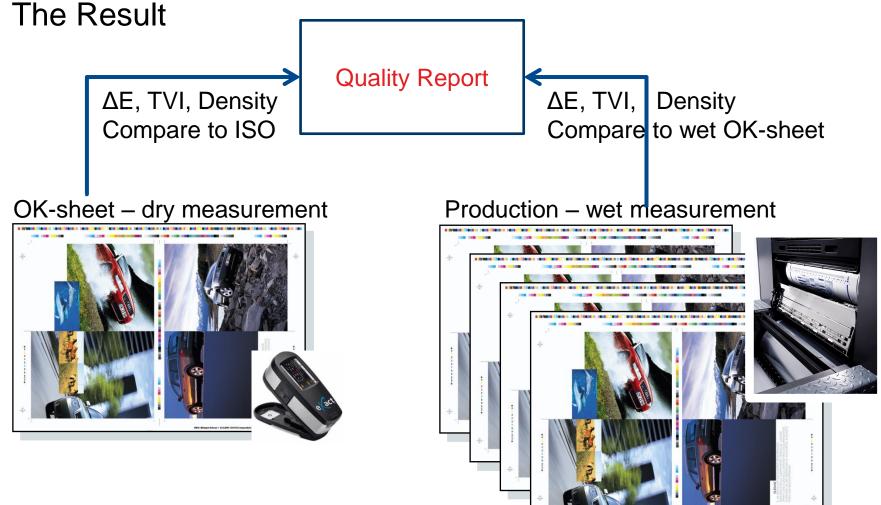




#### New functions of the Prinect Color Toolbox









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#### Thank your for your attention!

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