InkZoneReport User Guide

Find more information about the product on our website:
http://www.digiinfo.com

Digital Information
Vulkanstrasse 120
CH-8048 Zurich
Switzerland

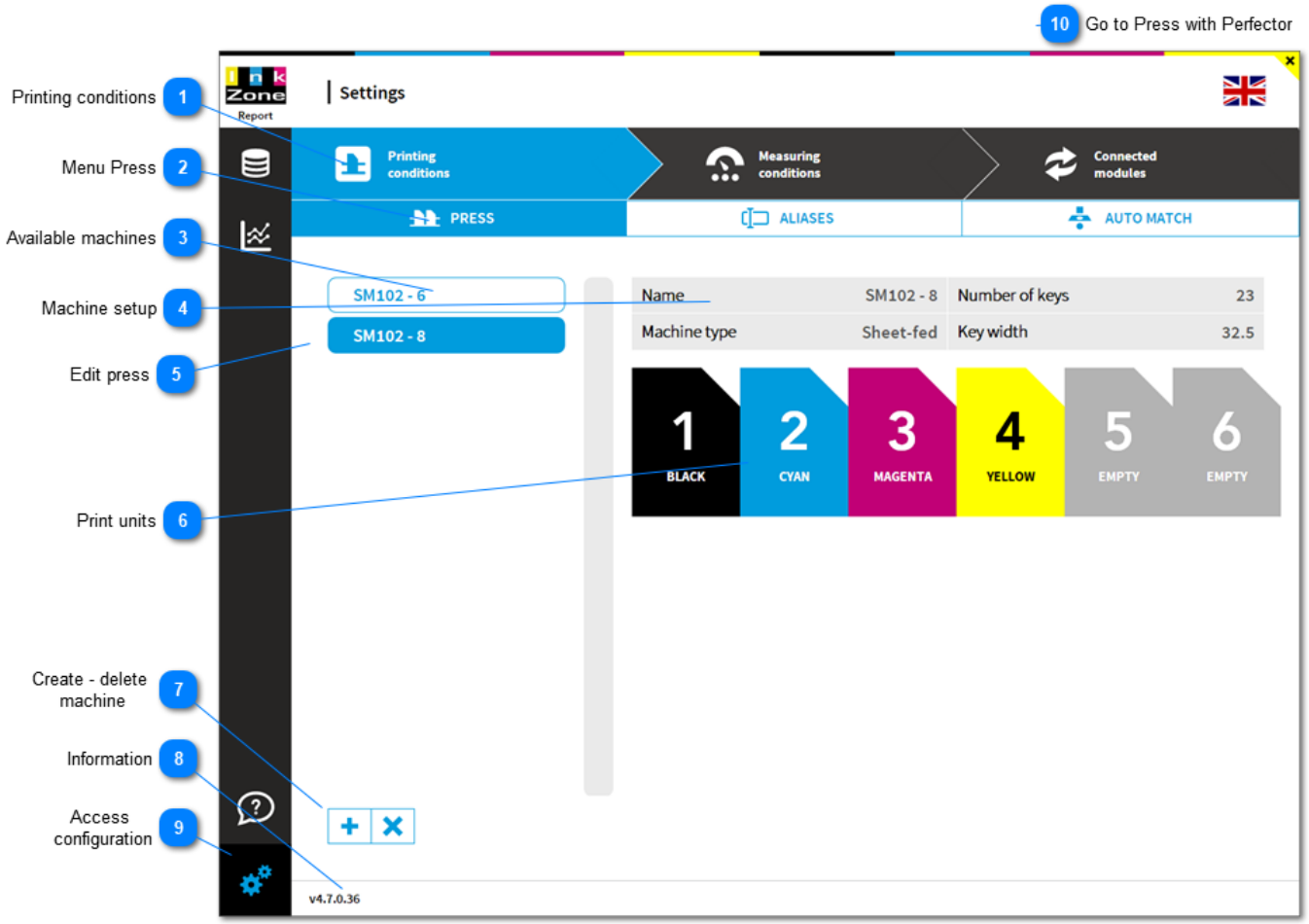
Identifier	Installation and configuration manual - English
Target group	Operator
Product	InkZoneReport
Version	v 3.1
Date	May 2019
Article code	IZR0003-EN

Table of Contents

1. Screens Online Manual

1.1. Software Setup

1.1.1. Press Setup



1 **Printing conditions**

Opens the menu Printing conditions with menu entry **a)** press setup **b)** Colorbar

2 **Menu Press**

Open the submenu Press

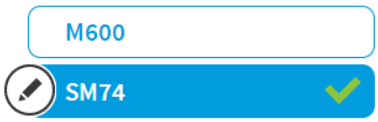
3 **Available machines**

All configured press machines are shown here. The current active is marked with a green tick.

4 Machine setup

Name	SM102 - 8	Number of keys	23
Machine type	Sheet-fed	Key width	32.5

Shows the press setup. Change the settings by hovering over the press name and click on the setup button on the left.



5 Edit press

Hovering with the mouse pointer over the press name brings up the press edit button.

6 Print units

Shows all print units and the standard color sequence.
Press with perfector, see here

7 Create - delete machine

Add with the plus sign a new press or delete the selected one with the cross button.

8 Information

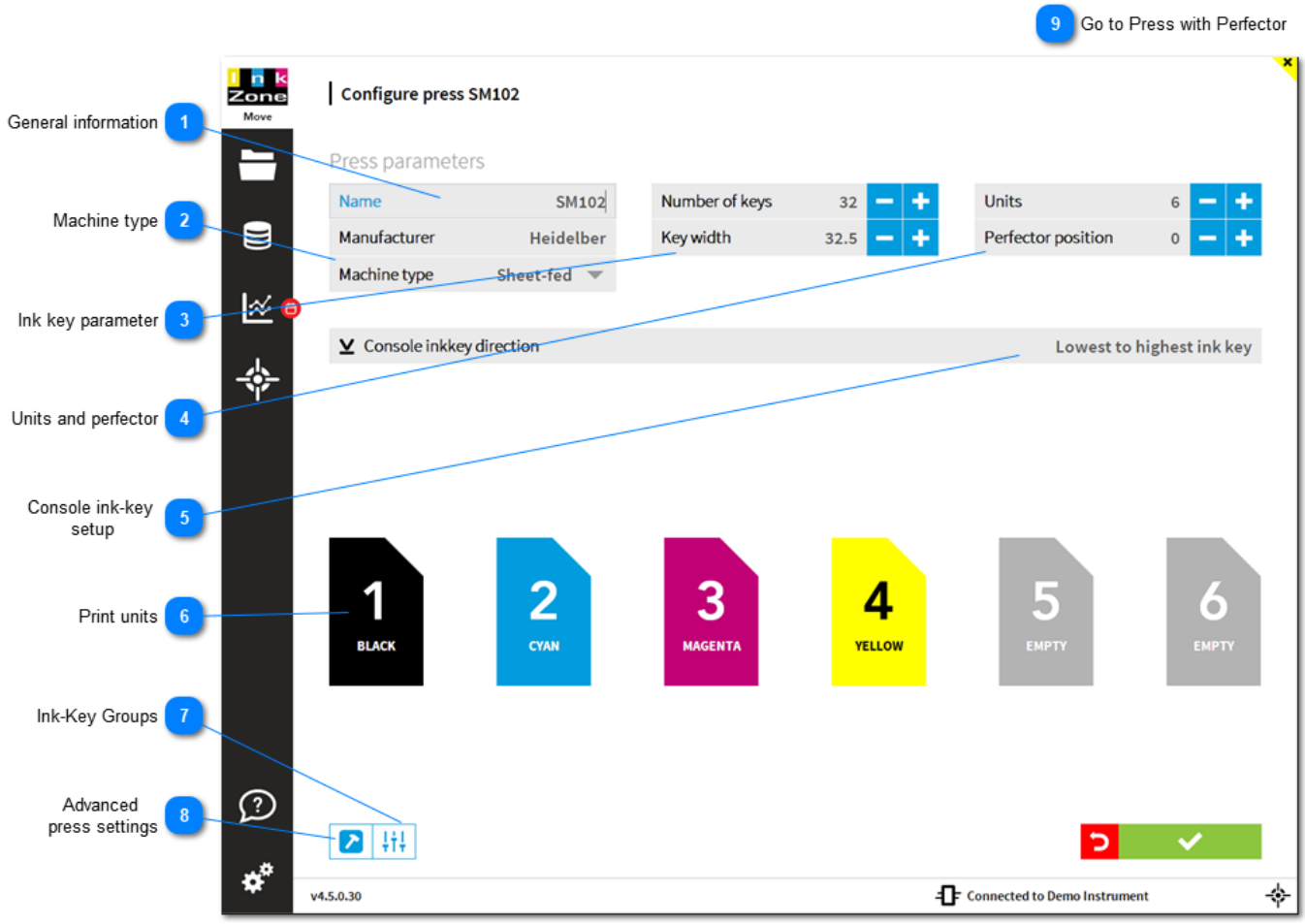
Current version is displayed.
With a click on the software release number more information about the dongle is displayed.
See 1.2.9. License Information

9 Access configuration

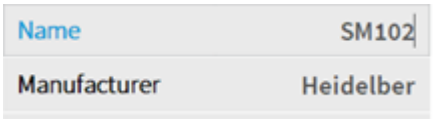
Start with the press machine configuration here

10 Go to Press with Perfector

1.1.1.1. Press Machine Setup

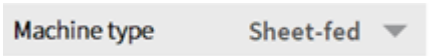


1 General information

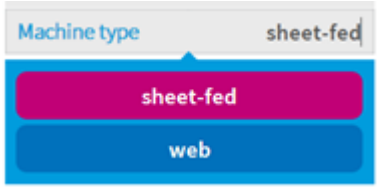


Set here the press machine name and manufacturer.
This values are passed to the measurement data export files such as SVF, XML etc.

2 Machine type



Select either sheet-fed or web press



3 Ink key parameter

Set the number of keys and their width

4 Units and perfector

Set the number of units and the perfector position (if available). For a none perfecting press the position is on 0.

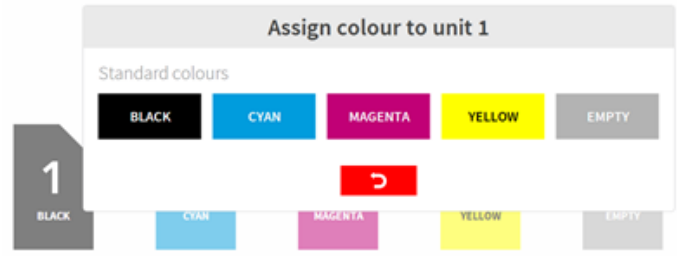
5 Console ink-key setup

Applies only to InkZoneMove

6 Print units

.
Press colour setup.

Colour assignment:
First, click on the print unit and then select the color:



7 Ink-Key Groups

Applies only to InkZoneMove

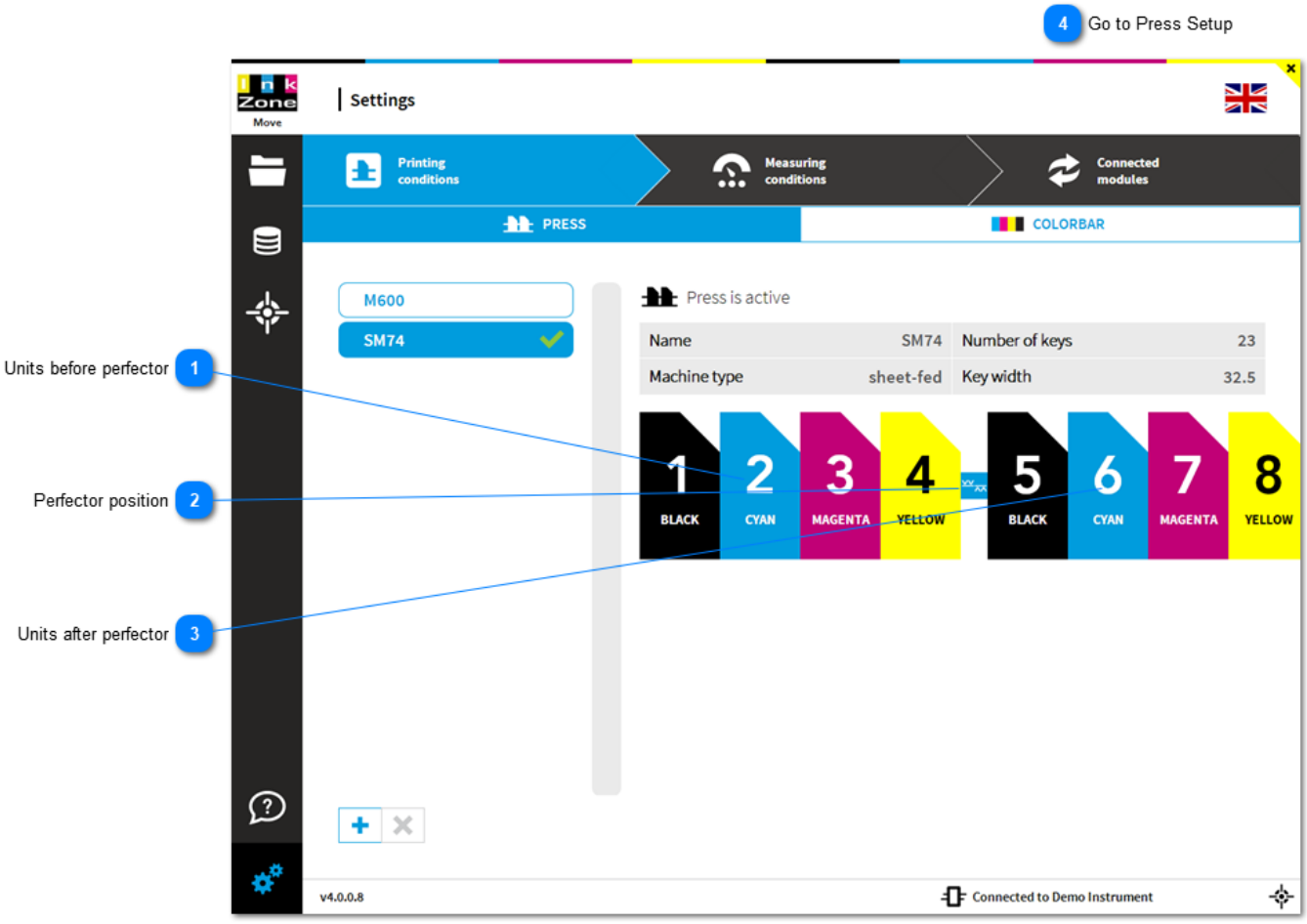
8 Advanced press settings

Not used in InkZoneReport

9 **Go to Press with Perfector**

See 1.2.1.3. Press with Perfector

1.1.1.2. Press with Perfector



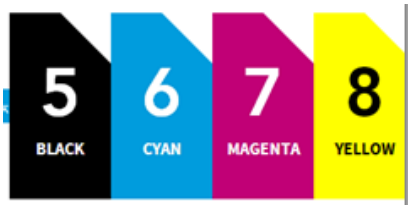
1 Units before perfector

Print units with color sequence for units before the perfector

2 Perfector position

Perfector indicator and position in the press

3 Units after perfector

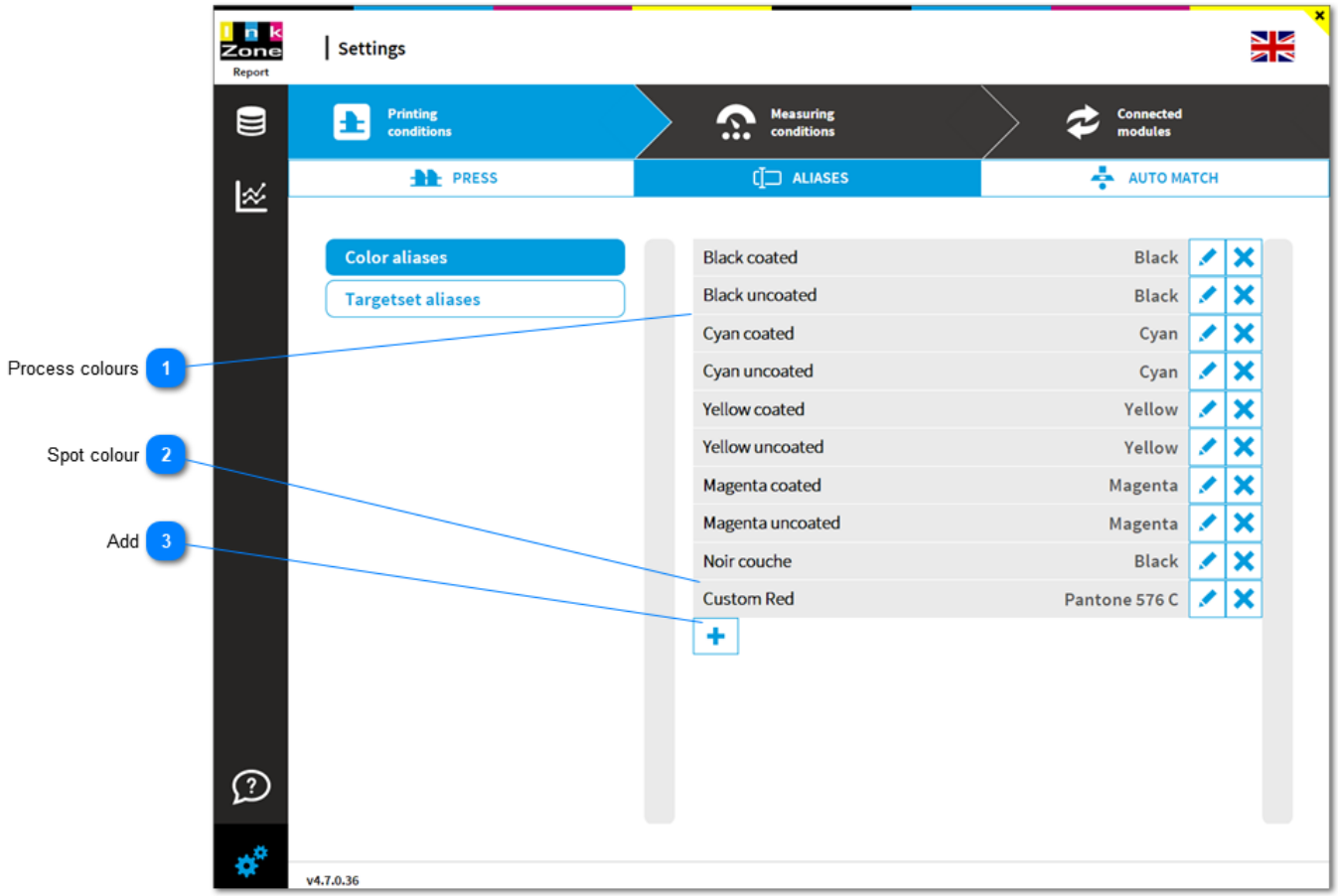


Print units with color sequence for units after the perfector

4 Go to Press Setup

1.2.1. Press Setup

1.1.2. Color Aliases



1 Process colours

Black coated	Black
Black uncoated	Black
Cyan coated	Cyan
Cyan uncoated	Cyan
Yellow coated	Yellow
Yellow uncoated	Yellow
Magenta coated	Magenta
Magenta uncoated	Magenta
Noir couche	Black

Links, maps the solid colour names from a SVF to black, cyan, magenta or yellow or spot.
In the sample above, "Black coated" and "Noir couche" are treated as Black.

2 Spot colour

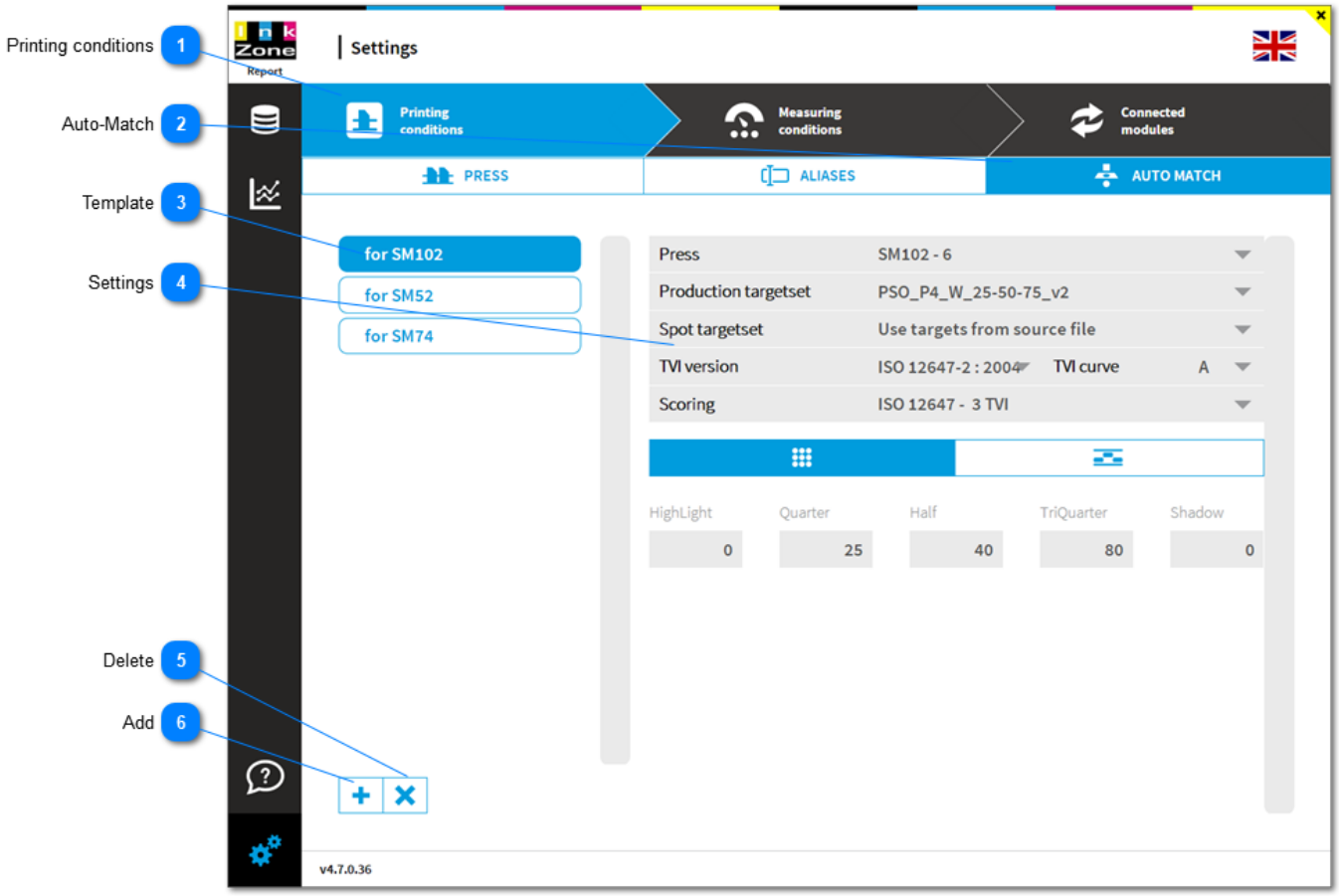
Custom Red	Pantone 576 C

Maps a user defined spot colour to a spot colour from the internal database

3 Add

Adds a new mapping entry.

1.1.3. Auto-Match



Create an Auto-Match template with the setup for targetset, spot colour target handling, TVI definition and scoring parameters.

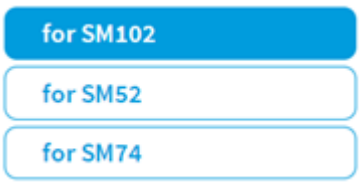
1 Printing conditions

Select Printing Conditions

2 Auto-Match

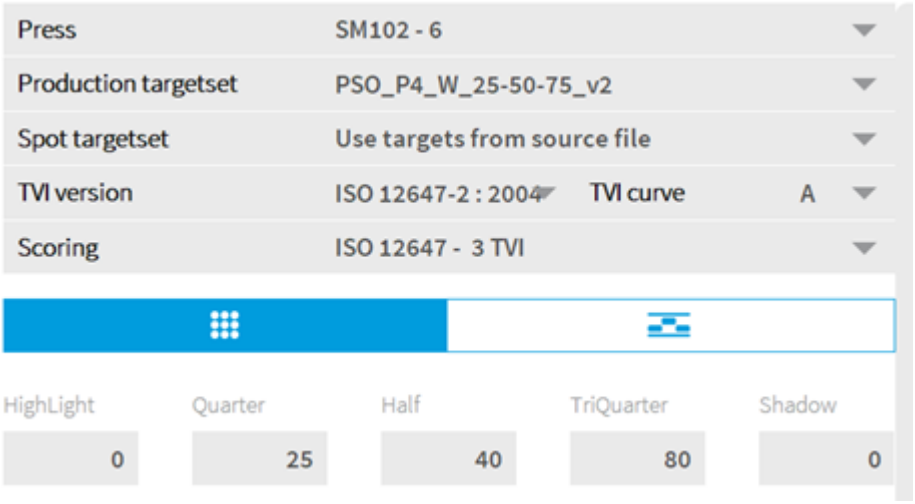
Select Auto-Match. The Auto-Match template is applied to an input hotfolder, see here: 1.1.7. System Setup

3 Template



List with all setups

4 Settings



These settings are used to process the SVF after being detected in the hotfolder. The settings are only used when the SVF import setup parameter do not match.

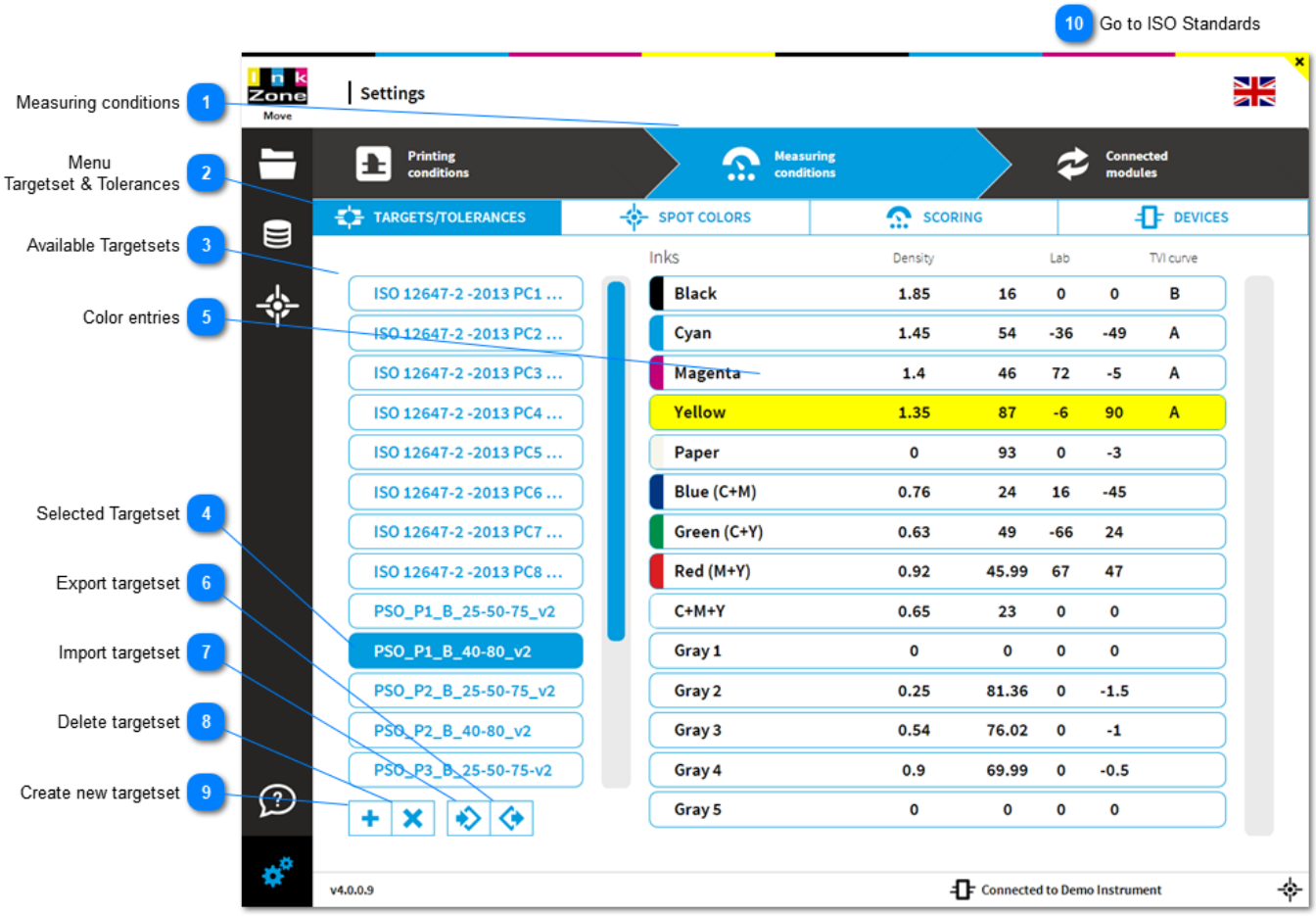
5 **Delete**

Remove an entry

6 **Add**

Add a new setup

1.1.4. Targetset & Print Tolerance Setup



1 Measuring conditions

Opens the menu Measuring Conditions with menu entry **a)** standard printing targetset **b)** spot-color target sets **c)** scoring **d)** scan device setup.

2 Menu Targetset & Tolerances

Opens the submenu Targetset / Tolerances

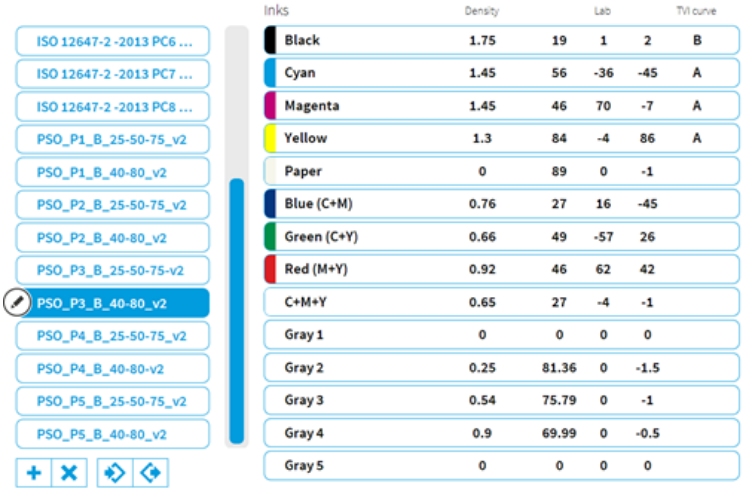
3 Available Targetsets

Currently installed targetsets

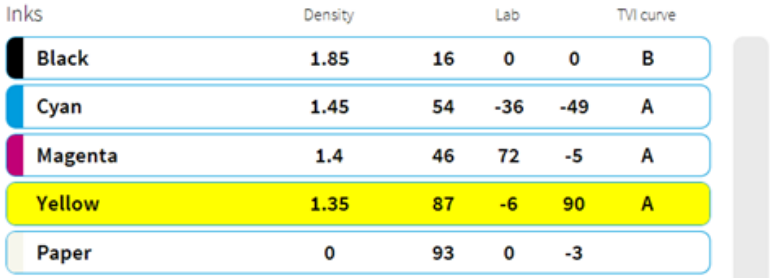
4 Selected Targetset

PSO_P1_B_40-80_v2

Currently selected targetset. The shown color entries on the right refer to this target.



5 Color entries



Color entries from selected targetset. Click on the color for editing.
See here: 1.2.3.1. Edit Color

6 Export targetset

Export selected targetset

7 Import targetset

Import targetset data

8 Delete targetset

Delete the currently selected targetset

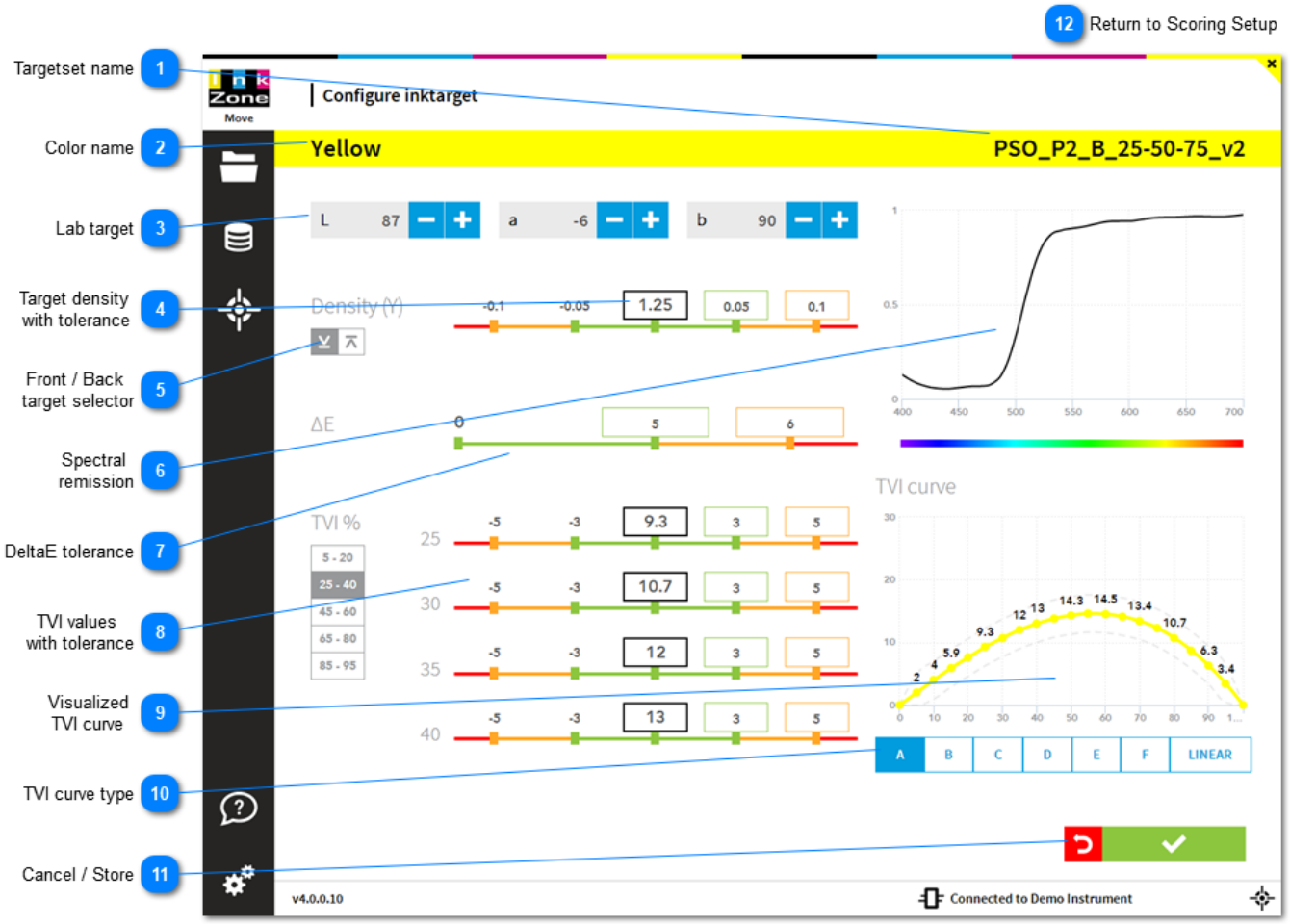
9 Create new targetset

Create a new targetset.
See 1.2.3.2. New Targetset

10 Go to ISO Standards

See here: 1.2.3.4.1. ISO 12647-2:2013

1.1.4.1. Edit Color



1 Targetset name

PSO_P2_B_25-50-75_v2

This color is from the targetset indicated here

2 Color name

Yellow

Color name as it appears on the measurement and job setup screen

3 Lab target

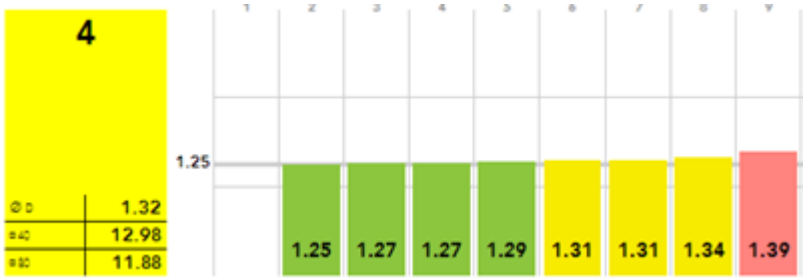
Lab target value

4 Target density with tolerance

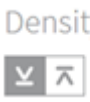
Don't forget to set front and the back side target for perfecting machines.

With this setup the density for front side printing is displayed as:

< 1.15	red
1.15 - 1.19	yellow
1.20 - 1.30	green
1.31 - 1.35	yellow
> 1.35	red

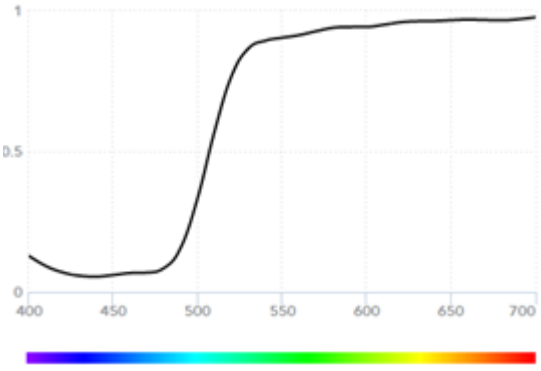


5 Front / Back target selector



Setup an individual density target for front and back side.

6 Spectral remission



Spectral remission curve

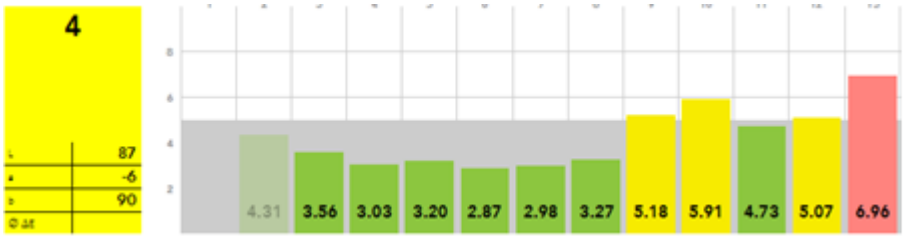
7 DeltaE tolerance

Color tolerance in DeltaE

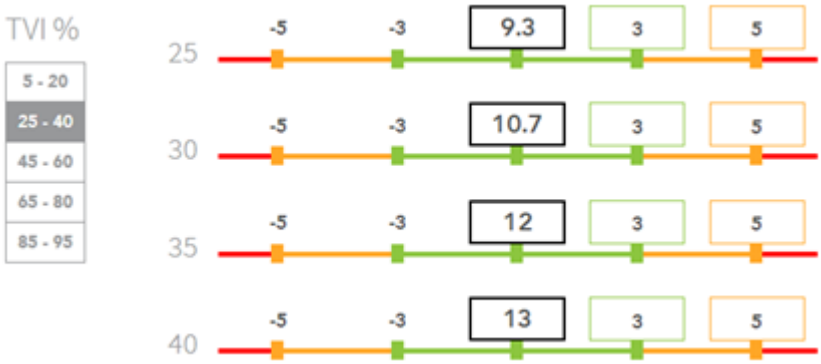
With this setup the DeltaE is displayed as:

DeltaE < 6	red
DeltaE 5 - 6	yellow

DeltaE 0 - 5 green

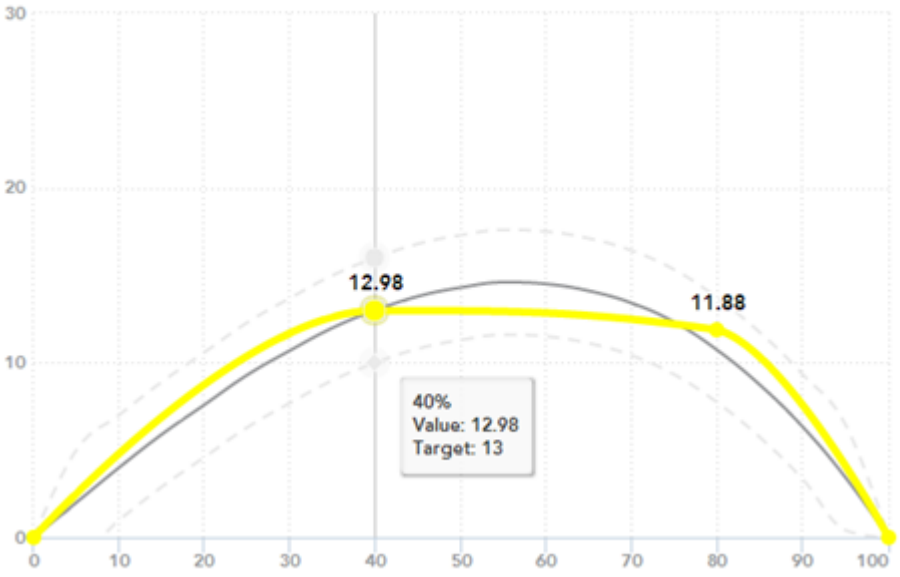


8 TVI values with tolerance

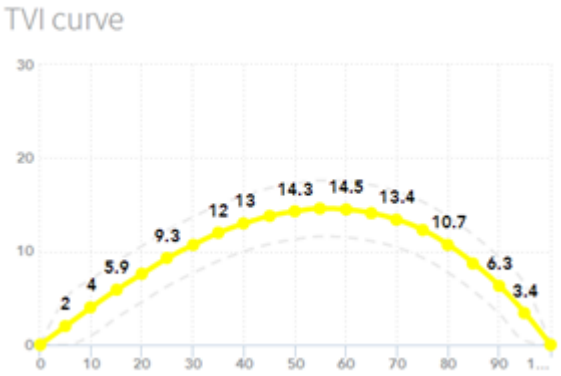


With this setup the TVI curve in the 40% is displayed as:

TVI 40%	< 8	red
TVI 40%	8 - 10	yellow
TVI 40%	10 - 16	green
TVI 40%	16 - 18	yellow
TVI 40%	> 18	red



9 Visualized TVI curve



TVI curve with targets

10 TVI curve type

Select from a predefined TVI A to F curve or use a linear curve setup

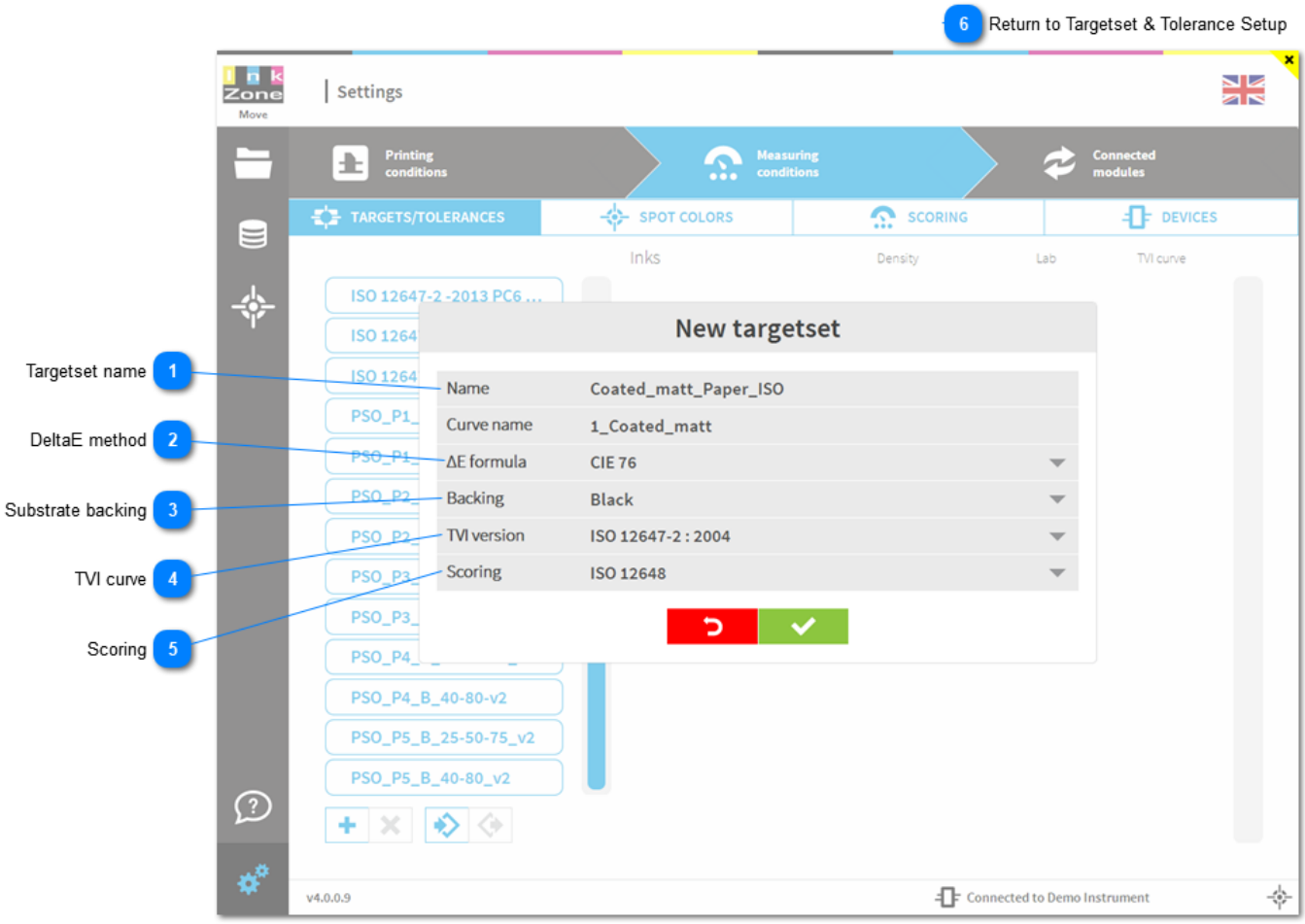
11 Cancel / Store

Dismiss change / accept change

12 Return to Scoring Setup

1.2.5. Scoring Setup

1.1.4.2. New Targetset



1 Targetset name

Name	Coated_matt_Paper_ISO

Set an unique name for the color targetset.
A targetset is used for every job to define its color standard

2 DeltaE method

ΔE formula	CIE 76

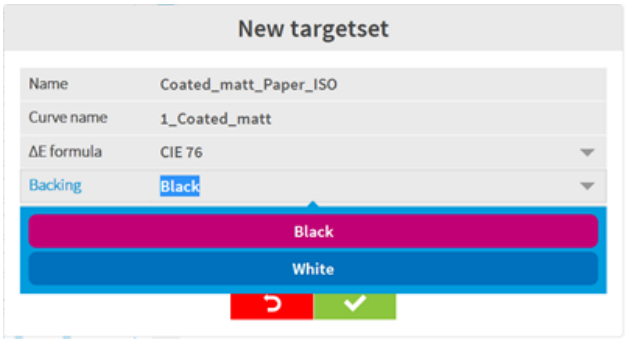
Select the DeltaE formula to be used.

3 Substrate backing

Backing	Black

Choose between black and white substrate backing.

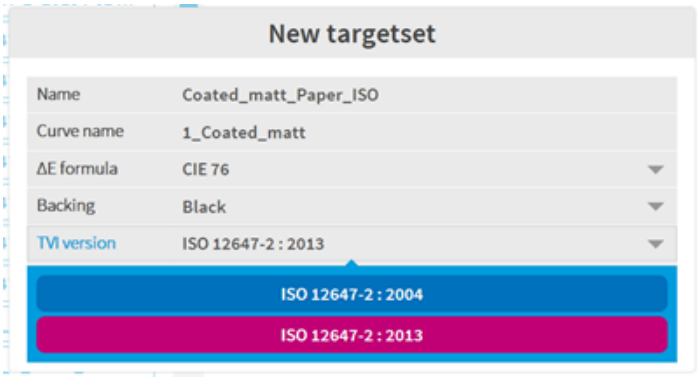
The ITX and ETX are always black backing. ISO requires black substrate backing.



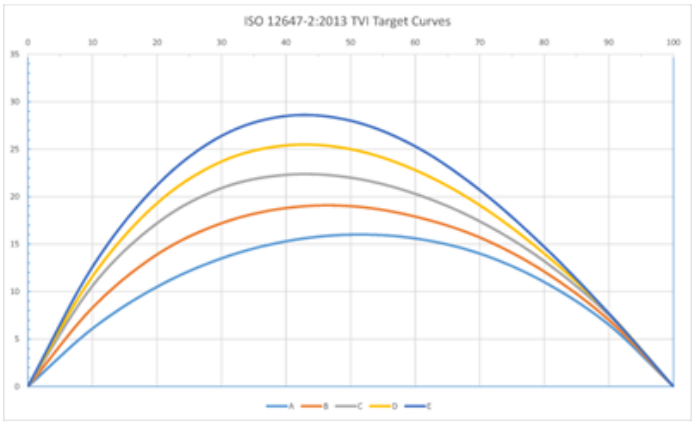
4 TVI curve

TVI version ISO 12647-2 : 2004

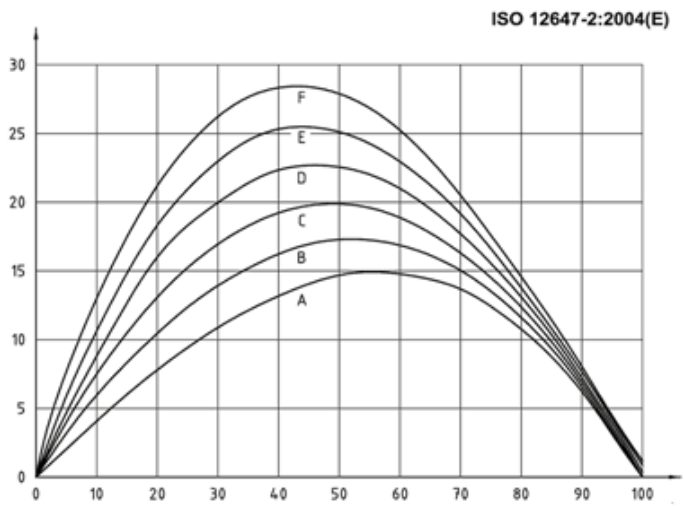
Choose between the TVI curve definition from 2004black and white substrate backing.



TVI 12647-2 2013



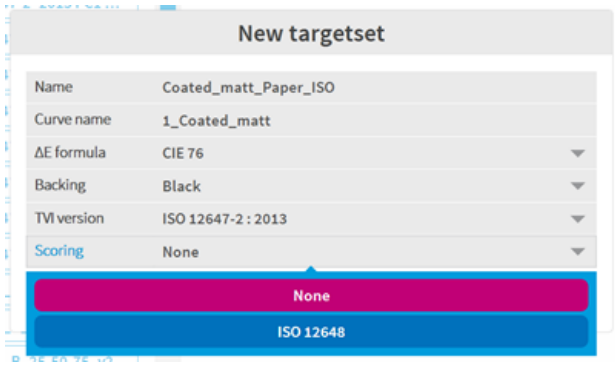
TVI 12647-2 2004



5 Scoring

Scoring	ISO 12648

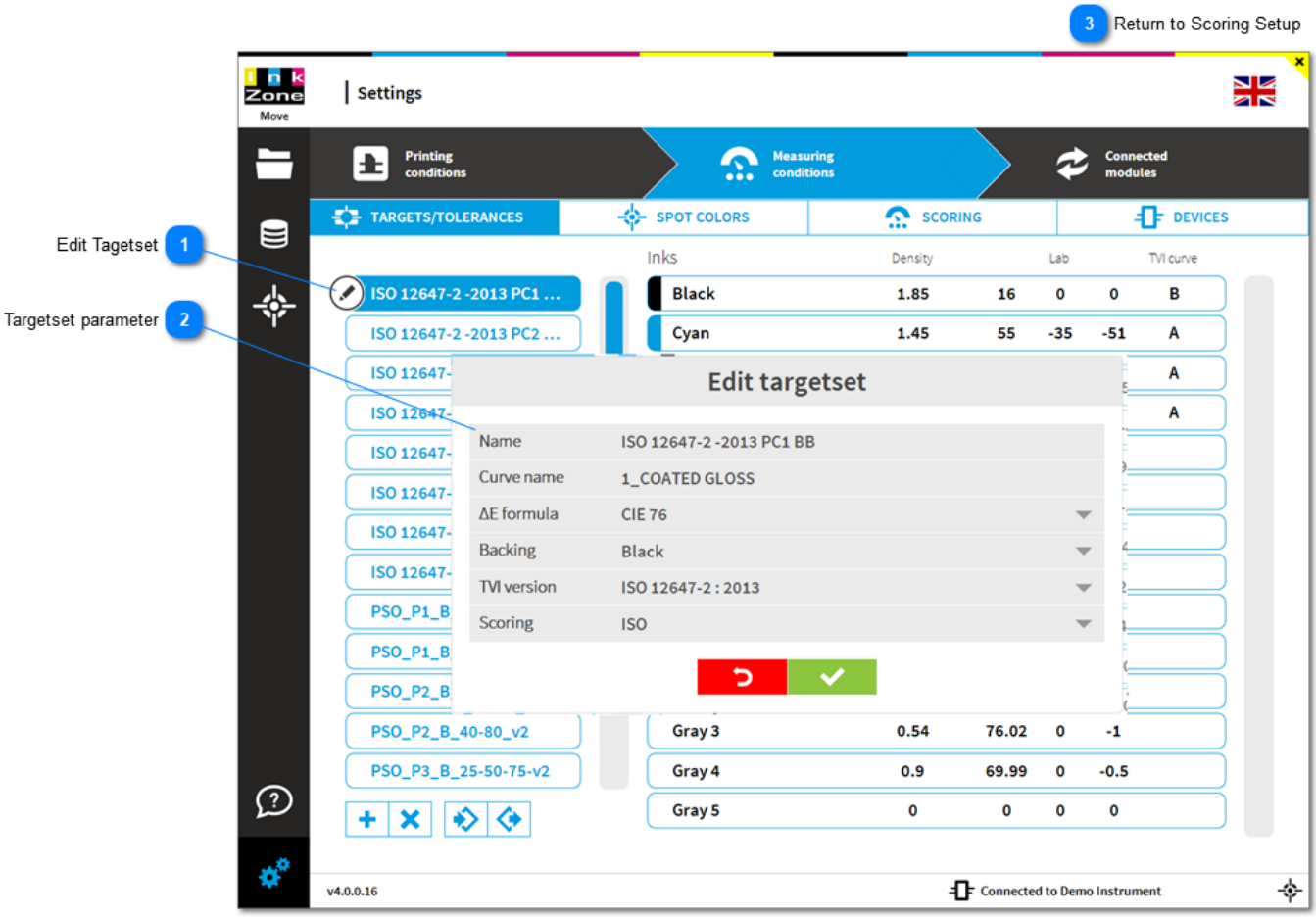
Select the scoring set. See here:
1.2.5. Scoring Setup



6 Return to Targetset & Tolerance Setup

1.2.3. Targetset & Print Tolerance Setup

1.1.4.3. Edit Targetset



1 Edit Tagetset

Hoover over the targetset and click on edit (pen icon on the left). The targetset setup window is displayed.

2 Targetset parameter

Modify the targetset parameter from here.
See details 1.2.3.2. New Targetset

3 Return to Scoring Setup

1.2.6. Scoring Setup

1.1.4.4. Standards

1.1.4.4.1. ISO 12647-2:2013

1.2.3.4.1.1. Paper Types
1.2.3.4.1.2. TVI Curves

1.1.4.4.1.1. Paper Types

There are 8 different paper types listed in the ISO 2013 standard.

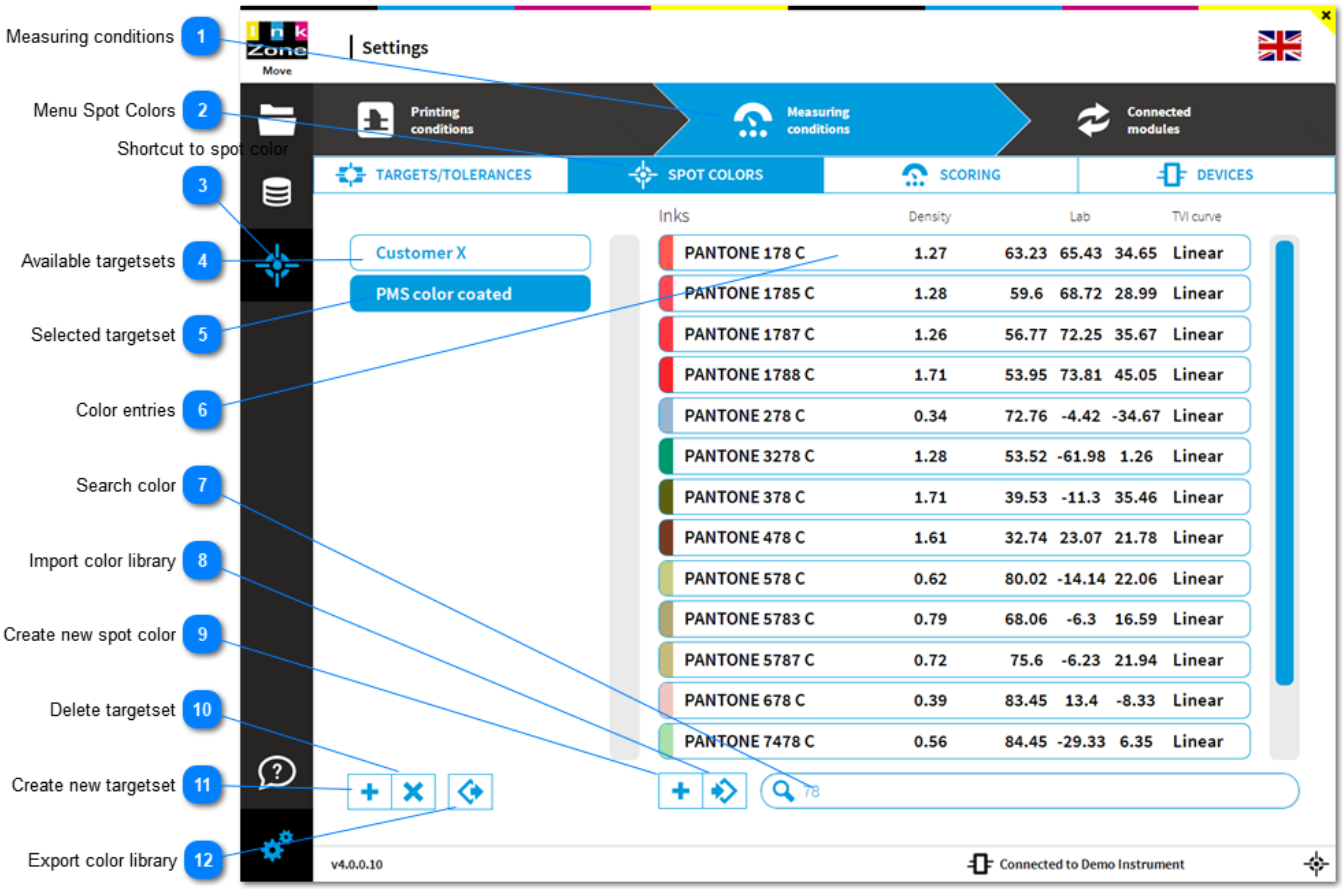
	Paper type and surface			
	PS1	PS2	PS3	PS4
Type of surface	Premium coated	Improved coated	Standard glossy coated	Standard matte and semi-matte coated
Typical process	Sheet-fed offset Heat-set web offset	Heat-set web offset	Heat-set web offset	Heat-set web offset
Typical papers	Wood-free coated, gloss, semi-matte, matte (WFC) High and medium weight coated (HWC, MWC)	Medium weight coated (MWC) Light weight coated (LWC Improved)	Light weight coated, gloss and semi-matte (LWC)	Machine finished coated (MFC) Light weight coated, semi-matte (LWC)
	PS5	PS6	PS7	PS8
Type of surface	Wood-free uncoated	Super calendered uncoated	Improved uncoated	Standard uncoated
Typical process	Sheet-fed offset Heat-set web offset	Heat-set web offset	Heat-set web offset	Heat-set web offset
Typical papers	Offset, wood-free uncoated (WFU)	Super calendered (SC-A, SC-B)	Uncoated mechanical improved (UMI) Improved newsprint (INP)	Standard newsprint (SNP)

1.1.4.4.1.2. TVI Curves

List with all print conditions and the corresponding TVI curve type.

Printing Condition (PC)	Print Substrate (PS)	Colorant Description (CD)	Screening Description	
			AM - Periodic	
			TVI Curve	Screen ruling - LPI
PC1	PS1	CD1	A	150 - 200
PC2	PS2	CD2	B	120 - 175
PC3	PS3	CD3	B	120 - 150
PC4	PS4	CD4	B	120 - 150
PC5	PS5	CD5	C	133 - 175
PC6	PS6	CD6	B	120 - 150
PC7	PS7	CD7	C	120 - 150
PC8	PS8	CD8	C	120 - 150

1.1.5. Spotcolor Setup



1 Measuring conditions

Opens the menu Measuring Conditions with menu entry
a) standard printing targetset
b) spot-color target sets
c) scoring
d) scan device setup.

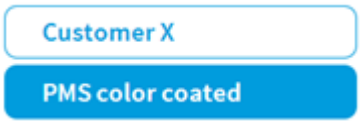
2 Menu Spot Colors

Open the submenu Spot Colors

3 Shortcut to spot color

Use this shortcut to get directly to the spot color

4 Available targetsets

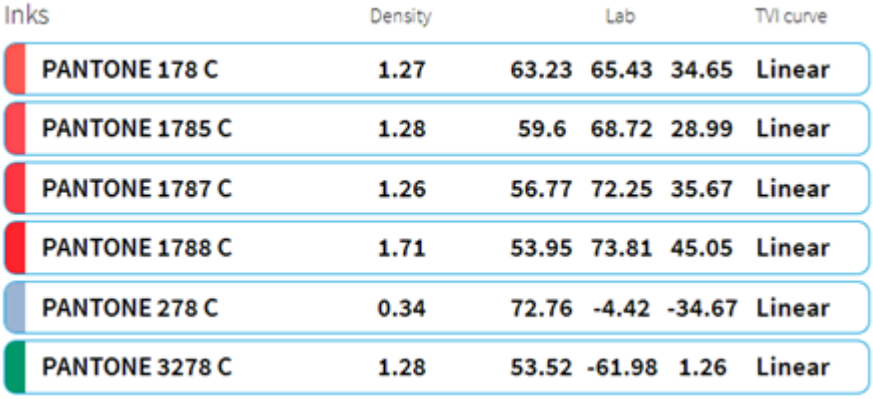


Currently installed spot color targetset

5 Selected targetset

Current selected spot color targetset.
The shown color entries on the right refer to this target.

6 Color entries



Color entries from selected targetset. Click on the color for editing.
See 1.2.4.1. Spot Color View

7 Search color

Add a part of the spot color name to quickly find the color

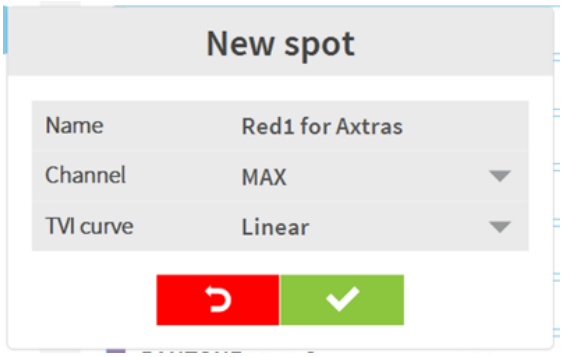
8 Import color library

Import a CxF color exchange file

9 Create new spot color

Creates a new spot color:

Set the spot name
Choose the density channel
Choose a TVI base curve



10 Delete targetset

Deletes the currently selected spot color targetset

11 Create new targetset

Creates a new spot color targetset

12 Export color library

Exports spot color data as CxF

1.1.5.1. Spot Color View

1 Targetset name

Pantone Coated

The spot color targetset where the color is assigned to

2 Color name

PANTONE 2945 C

Color name

3 Density measurement channel

Channel MAX

Usually the density filter channel for measuring a spot color with a spectrophotometer is set to MAX, meaning the maximum peak from its remission. Nevertheless, it is possible to change the filter to K, C, M or Y

4 Lab target

L 29.34 a -4.72 b -54.42

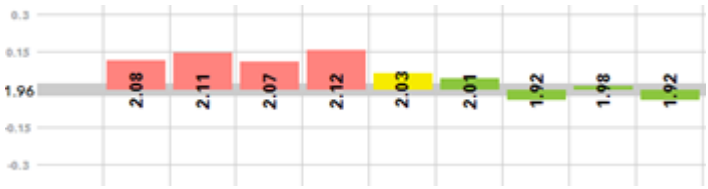
Lab target value

5 Target density with tolerance

Target density with tolerance

With this setup the density for a front side measurement is displayed as:

< 1.86	red
1.86 - 1.90	yellow
1.91 - 2.01	green
2.02 - 2.06	yellow
> 2.06	red



6 Front / Back target selector

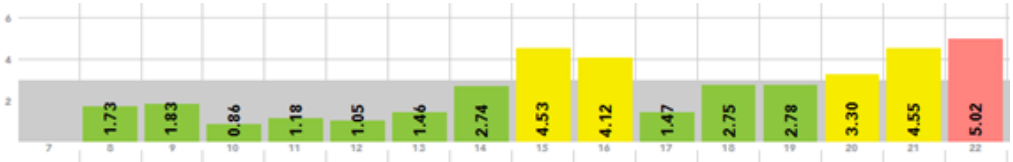
Setup an individual density target for front and back side.

7 DeltaE tolerance

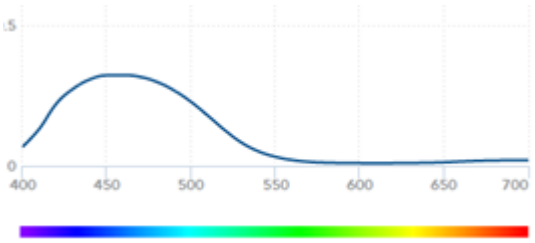
Color tolerance in DeltaE

With this setup the DeltaE for a front and back measurement is displayed as:

0 - 3	green
3.01 - 5	yellow
> 5	red

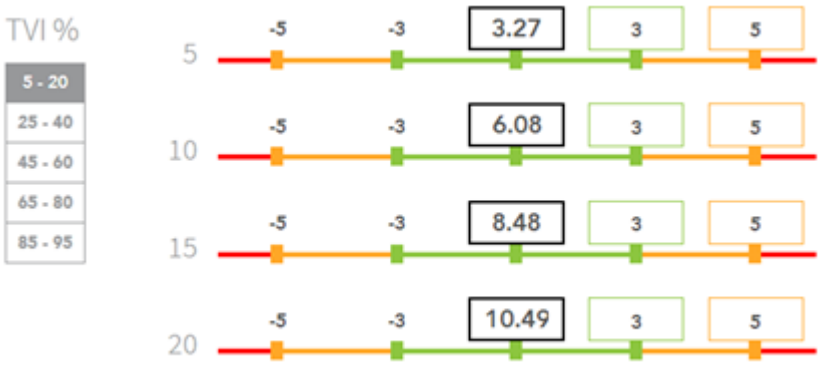


8 Spectral remission



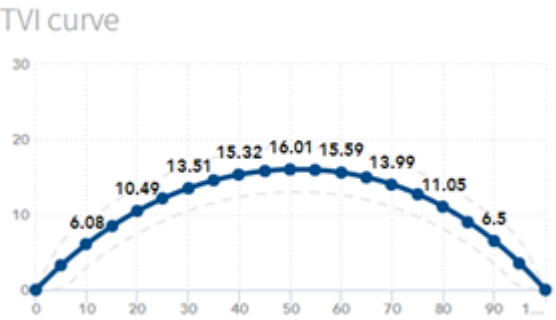
Spectral remission curve

9 TVI values with tolerance



TVI curve values and their tolerance

10 Visualized TVI curve



Visualized TVI curve with the TVI expected value for 5 to 95%.

11 TVI curve type

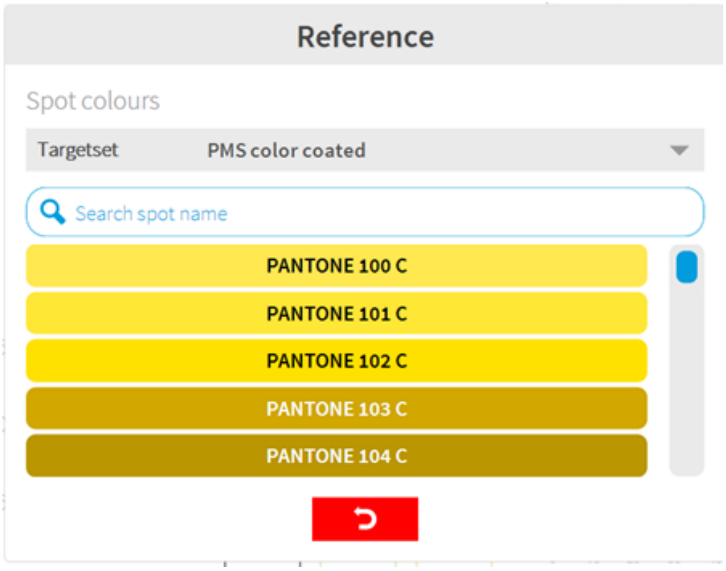
ISO 12647-2 uses different sets of predefined TVI curves named A to F.
A linear curve is when the dot gain is expected like
5%Tone TVI=5;
10%Tone TVI=10;
etc.

12 Delete color

Deletes the color

13 Links to an existing color

Create a link to an existing spot color.
Select the reference color in the dialog. Use the search to filter the color list.



14 Measure with instrument

Only available with InkZoneMove

1.1.6. Scoring Setup

1 Measuring conditions

Opens the menu Measuring Conditions with menu entry
a) standard printing targetset
b) spot-color target sets
c) scoring
d) scan device setup

2 Menu scoring

Open the submenu Scoring

3 Scoring set

Currently available scoring sets.

4 Active

Enable / Disable the scoring for the criteria.

5 Display

Only available in InkZoneMove

6 Status

Choose if the criteria is obligatory or informative. Only items with status obligatory are used for the total score calculation.

7 Assessment

Setup the scoring value based on the tolerance area green, yellow and red from the targetset.
See the tolerance setup in the targetset here: 1.2.3.1. Edit Color

As an example:
In the targetset the primary's tolerance is set:

Green	Yellow	Red
DeltaE < 4	DeltaE > 4 and < 5	DeltaE > 5

The primary color scoring is set like:

Green	Yellow	Red
Score value = 4	Score value = 3	Score value = 0

Now, let's presume a sample sheet measurement shows:

Green	Yellow	Red
41 Patches	14 Patches	22 Patches

Score

Green	Yellow	Red	
41 x 4 = 164 points	14 x 3 = 42 points	22 x 0 = 0 points	Total
52,5%	13,5%	0%	52,5% + 13,5% = 66%

See this job here:

Assessment:

Would all patches be green then the score is 100 percent. This looks like:

Possible max score	= 78 x 4 points	= 312 points	100%

For the above calculation:

Patches (% from total patches)	Scoring	Result	Result in %
41 green patches (53 %)	= 41 x 4 points	= 164 points	52,5 %
14 yellow patches (18 %)	= 14 x 3 points	= 42 points	13.5 %
23 red patches (29 %)	= 23 x 0 points	= 0 points	0 %
Total for 78 patches (100 %)		= 206 points	66 %

8 Scoring type

Scoring criteria such as primary solids, spot colours, TVI, see here: 1.2.5.3. Scoring Criteria
Select the DeltaE method in the targetset setup, see here: 1.2.3.3. Edit Targetset

9 Weight on total

The criteria's weight on the total scoring

10 Manage scoring sets

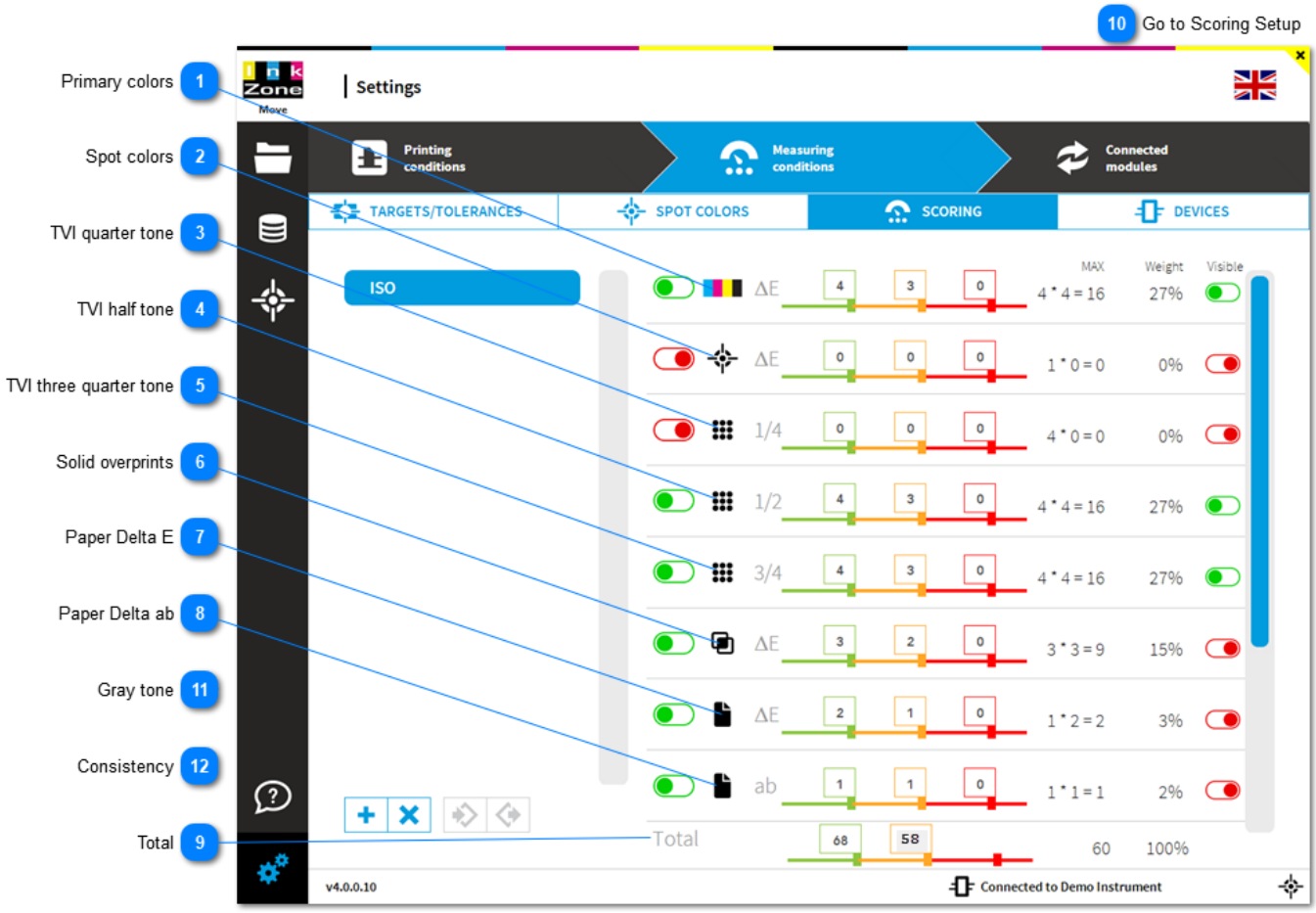
Add, delete scoring sets. Reuse with import and export functionality.

11 Total scoring setup

Total value shows up in the measurement view in a colored circle on the top right corner.
Setup total score color here.
In this sample the total's color is set like:

Green	68% to 100%
Orange	58% to 68%
Red	0% to 68%

1.1.6.1. Scoring Criteria



1 Primary colors

Scoring criteria for primary colors C M Y and K

2 Spot colors

Scoring criteria for spot colors

3 TVI quarter tone

Scoring criteria for tone value increase, quarter tone

4 TVI half tone

Scoring criteria for tone value increase, half tone

5 **TVI three quarter tone**

Scoring criteria for tone value increase, three quarter tone

6 **Solid overprints**

Scoring criteria for solid overprints CM, CY and MY

7 **Paper Delta E**

Scoring criteria for paper, DeltaE

8 **Paper Delta ab**

Scoring criteria for paper, Delta ab

9 **Total**

Score the total points.

10 **Go to Scoring Setup**

1.2.6 Scoring Setup

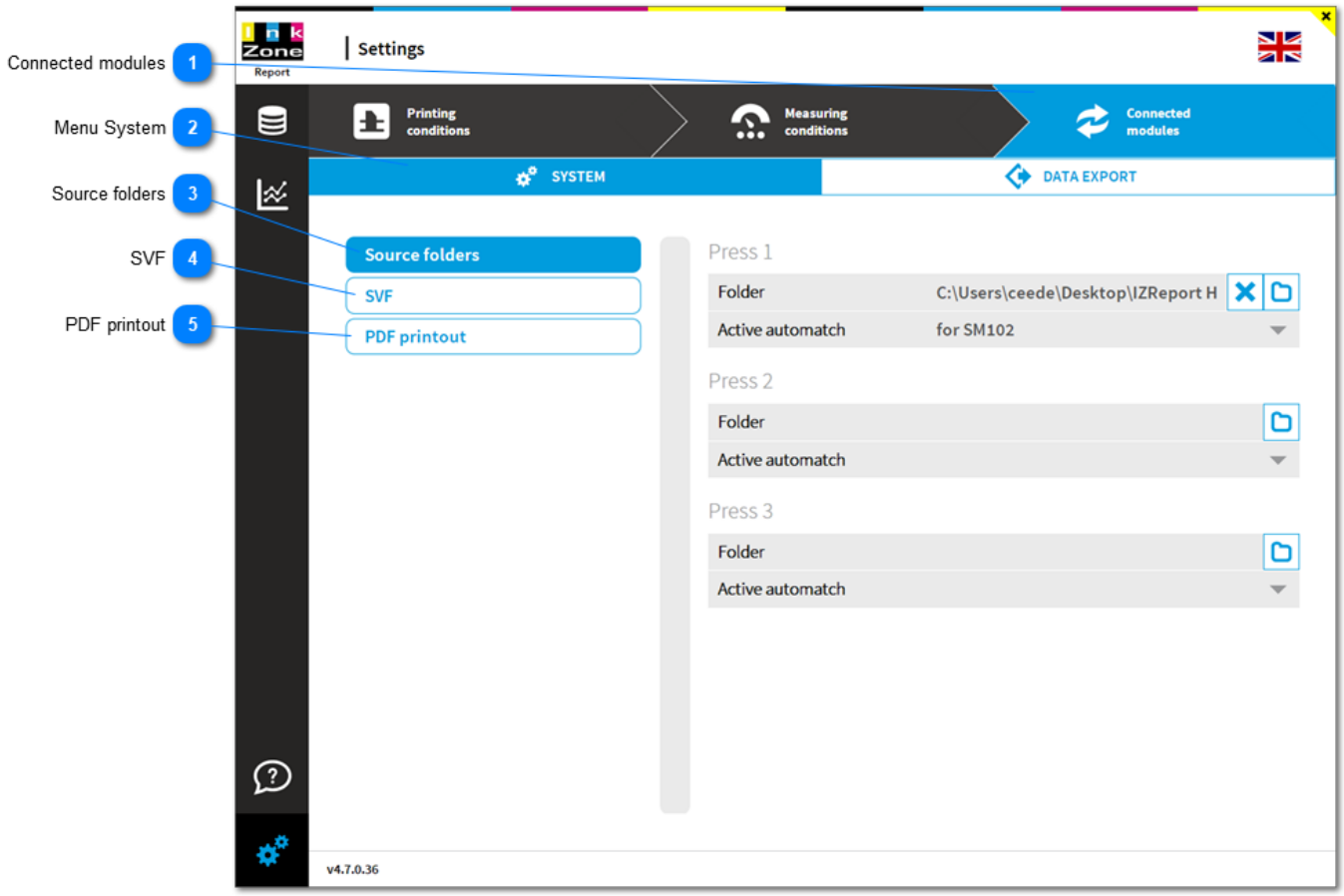
11 Gray tone

Score on gray tones.

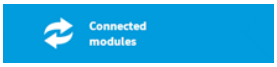
12 Consistency

Score on density consistency over the sheet width

1.1.7. System Setup



1 Connected modules



Opens the menu Connected modules with menu entry
a) System
b) Data-Export

2 Menu System

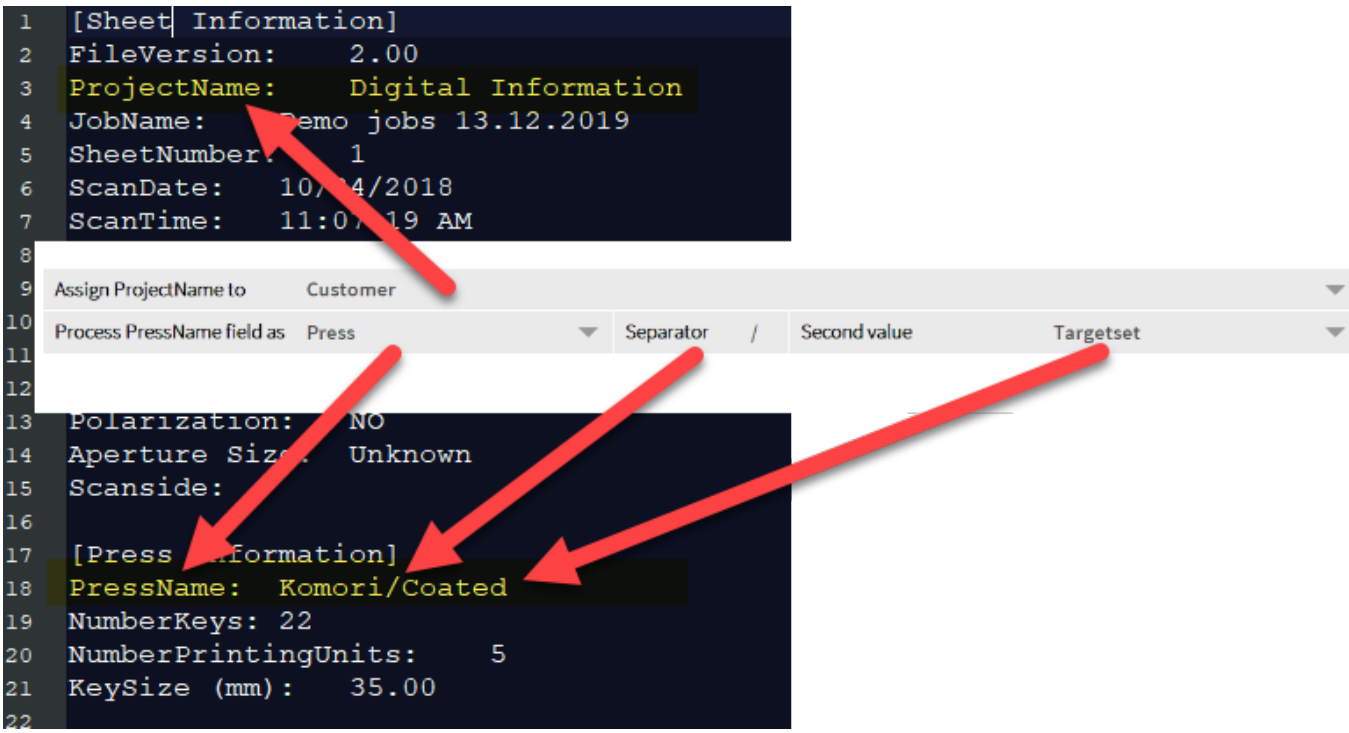
Opens the submenu System

3 Source folders

Defines a hotfolder for incoming SVF files. All SVFs are link the setup of an Auto-Match template and processed accordingly.
See Auto-Match setup here: 1.1.3. Auto-Match

4 SVF

This settings has priority of the selected targetset in the Source folder setup.



The SVF tags link to an InkZoneReport parameter customer, press and targetset:
- assign the **Project** name to a customer name or to none
- Process **PressName** value in two parts:
  - **First** part to TargetSet or Press or Customer
  - **Second** part to TargetSet or Press or Customer

- Define a the valid **separator** between PressName and TargetSet

5 PDF printout

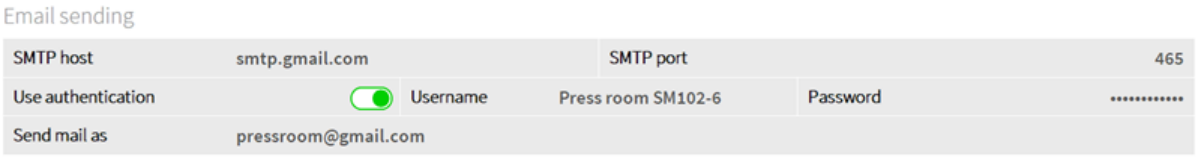
PDF printout

Company name and logo
Select company name and logo which appears on the report print out

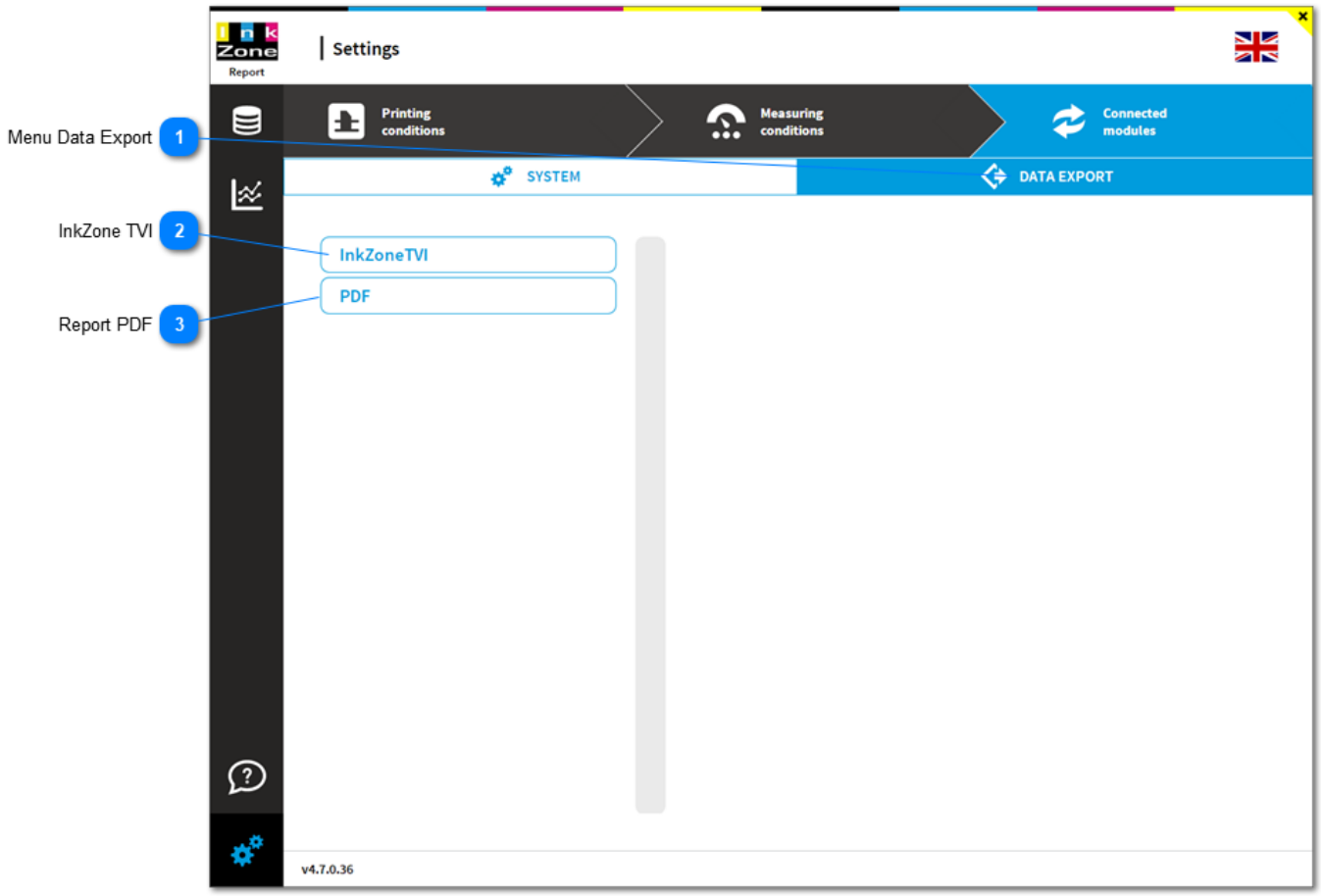
PDF job name setup
Setup a job name with the parameters in brackets for generating the job name for PDF sheet and production reports:

<job>	job name
<sheet_report>	if the term Sheet-Report appears in the name
<production_report>	if the term Production-Report appears in the name
<date><time>	date and time
<sheet_number>	sheet number

E-Mail report setup
Sends PDF reports over e-mail.
Setup mail server SMTP host address and port. Define the e-mail sender's address.
See further information on sending mails through Google Mail: [Send e-mail with Google Mail server]



1.1.8. Data Export Setup



1 Menu Data Export

Sub menu Data Export

2 InkZone TVI

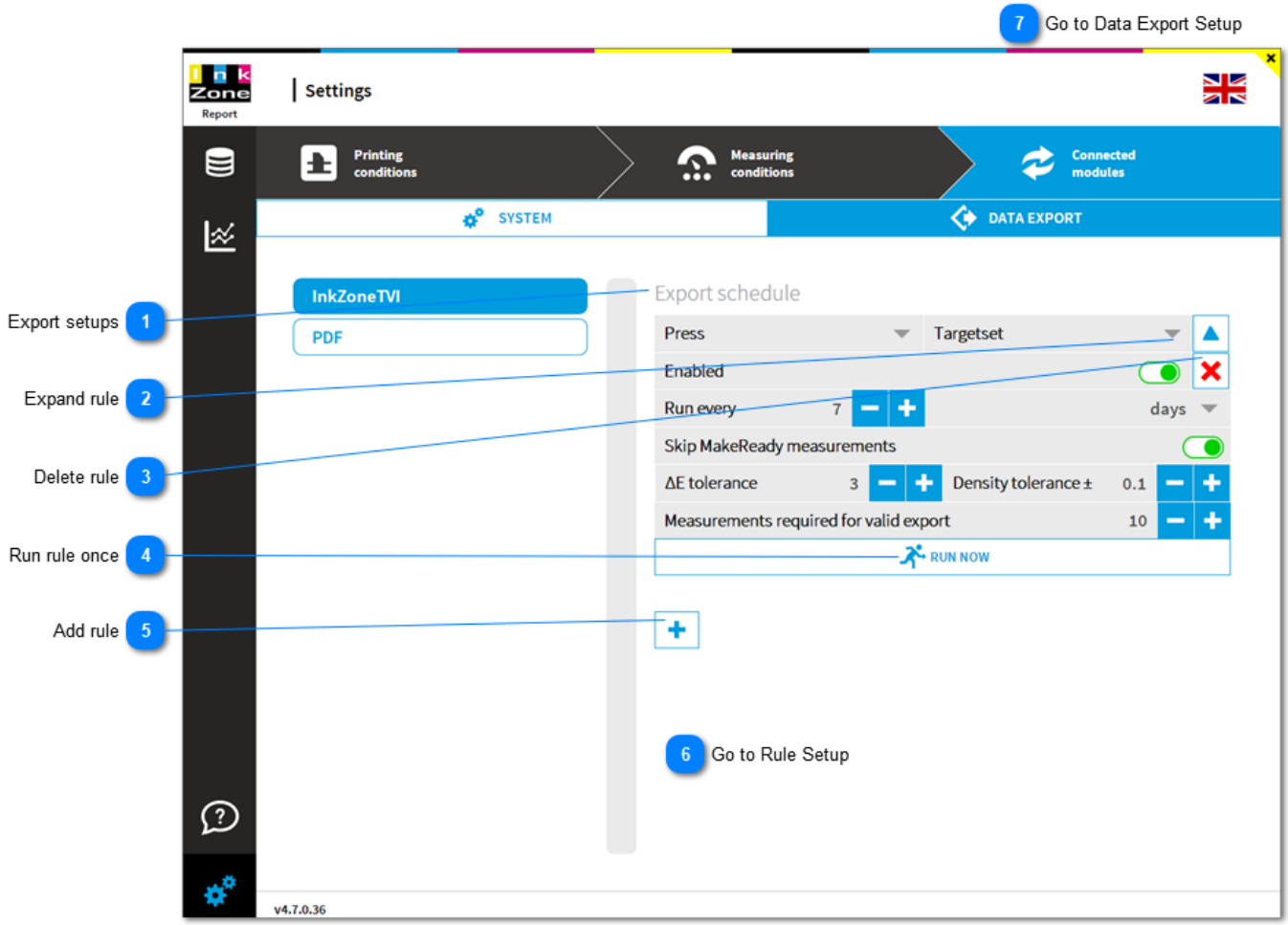
See here: 1.2.8.2. XML Export

3 Report PDF

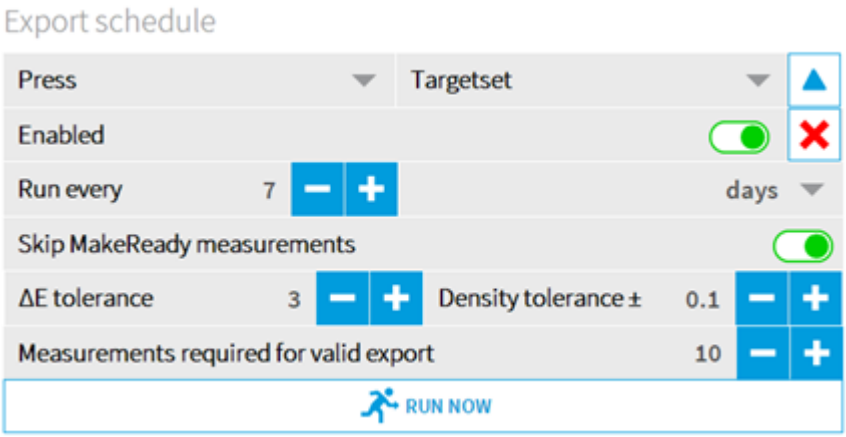
Setup a PDF report template, see here: 1.2.8.8. PDF Report Template

1.1.8.1. Export to InkZoneTVI

Configure the export for InkZoneTVI. Based on the exported data, InkZoneTVI creates a compensation curve for the CTP workflow RIP. The exported data is based on job runs.



1 Export setups



All export rules are listed here. Expand them with the arrow up/down on the right side.
See the rules details here:

2 Expand rule

View rule set for a combination of press and targetset

3 **Delete rule**

Remove the rule

4 **Run rule once**

Use for testing the setup by running the rule once.

5 **Add rule**

Add a new rule

6 **Go to Rule Setup**

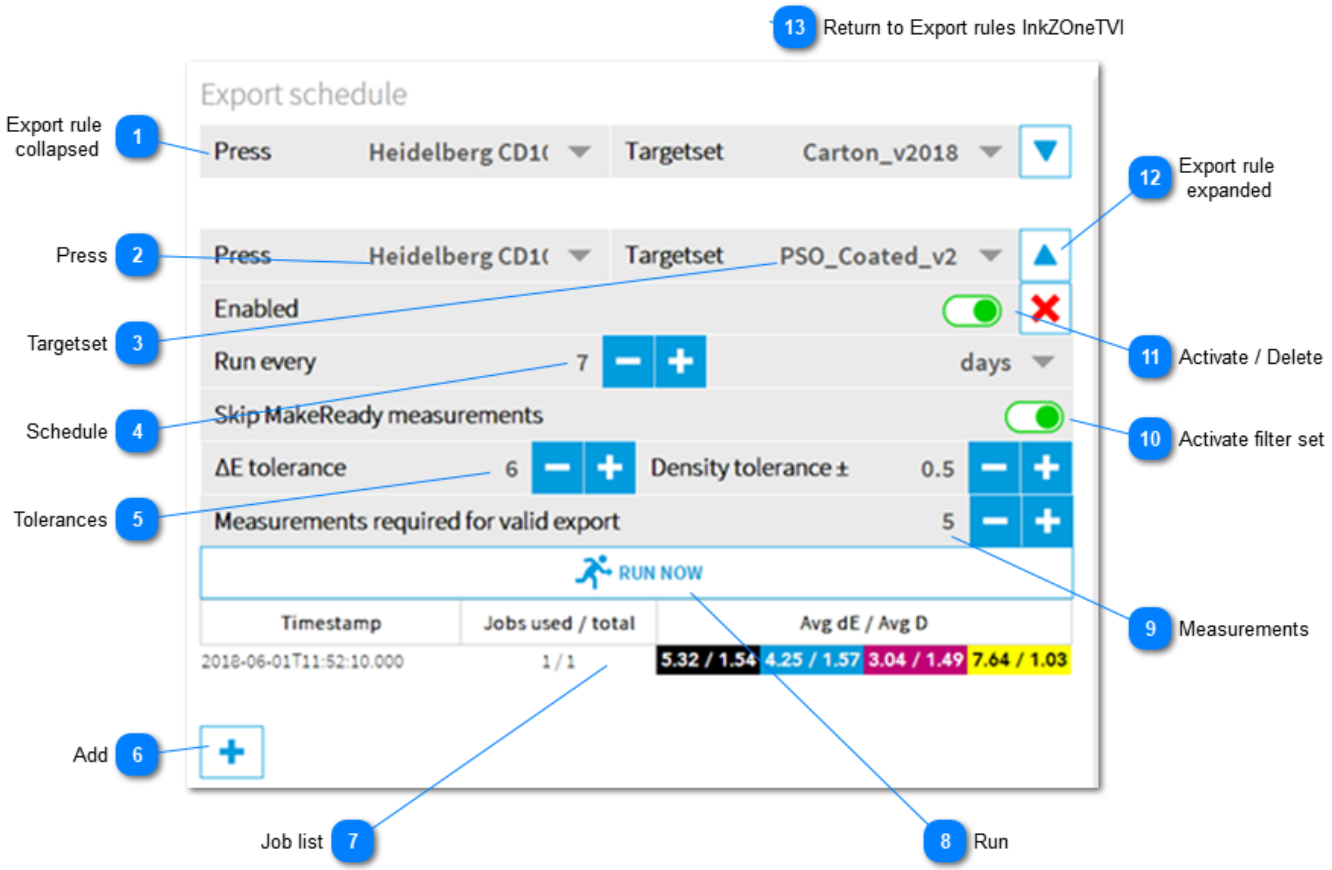
1.2.8.6.1. Export rules IZTVI

7 **Go to Data Export Setup**

1.2.8. Data Export Setup

1.1.8.1.1. Export rules InkZoneTVI

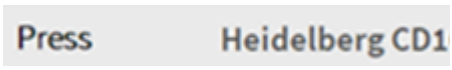
Setup the export rules for CTP plate compensation curves.



1 Export rule collapsed

Export rule with press and targetset name. Expand it to review the setup and see processed jobs with the arrow down button on the right.

2 Press



Select the press from the list box

3 Targetset

Select the targetset from the list box

4 Schedule

The rule is repeated every "number" of "days/weeks"

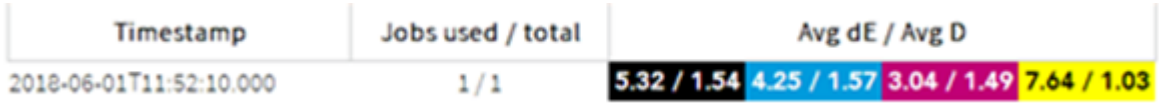
5 Tolerances

Measurement data exceeding DeltaE or density are ignored during export

6 Add

Create a new rule

7 Job list



Every export is listed here with date, number of used jobs and their DeltaE, Density averages

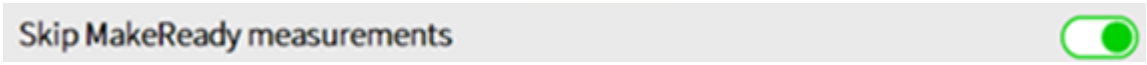
8 Run

Test the setup from here and see the expor data in IZTVI

9 Measurements

Number of measurements required to create an export

10 Activate filter set



All data is ignored which do not match the setup rules

11 Activate / Delete

Enable the rule. Delete it with the red cross on the right

12 **Export rule expanded**

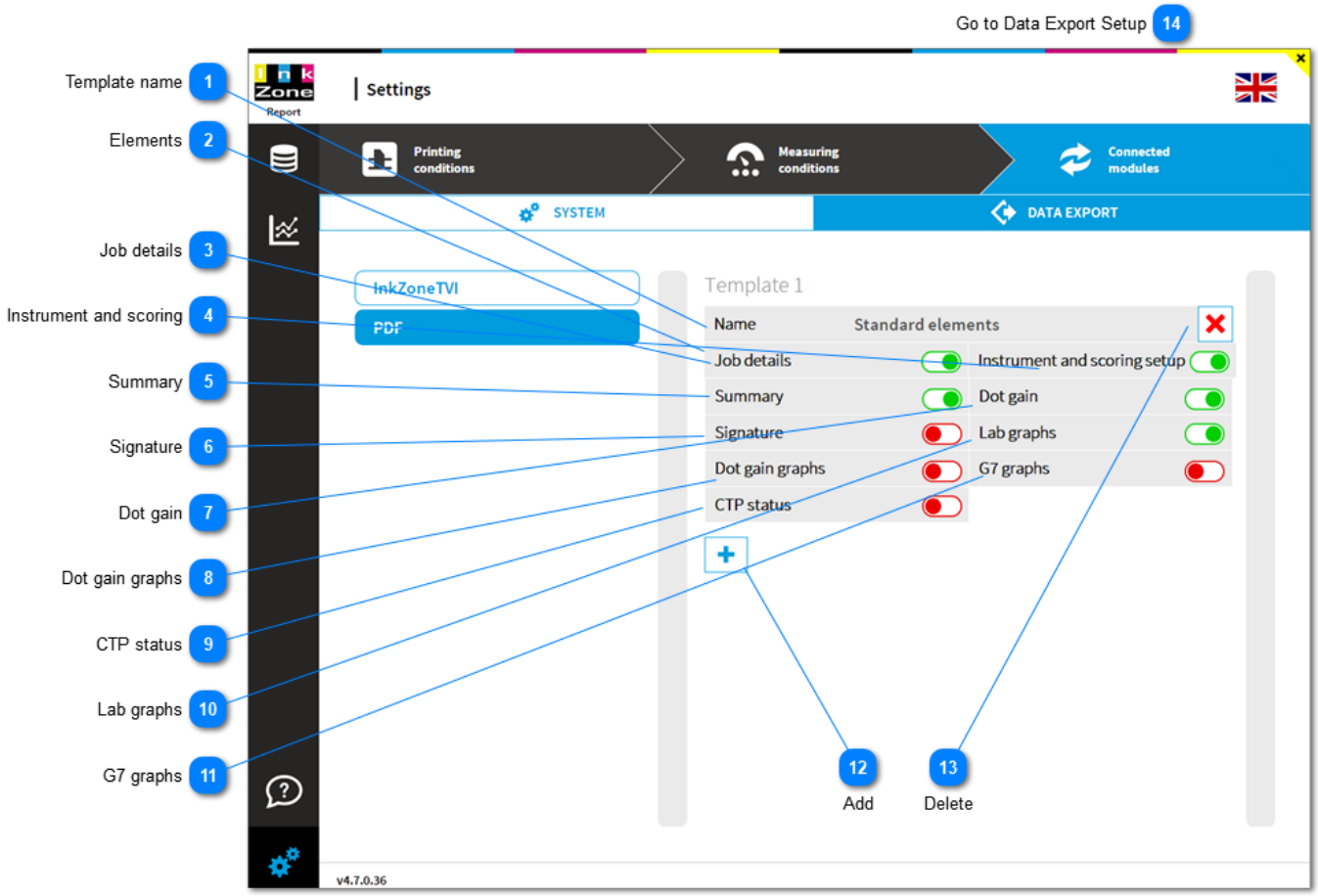
Export rule expanded view

13 **Return to Export rules InkZOneTVI**

1.2.8.1. Export to InkZoneTVI

1.1.8.2. PDF Report Template

Create templates with print out elements. A template is selected during the PDF report creation. See here: 1.2.8.8. PDF Report Template



1 Template name

Name	Standard elements

Define a template name. The template can be selected when creating a PDF.

2 Elements

Job details	ON	Instrument and scoring setup	ON
Summary	ON	Dot gain	ON
Signature	OFF	Lab graphs	ON
Dot gain graphs	OFF	G7 graphs	OFF
CTP status	OFF		

Set the template item to **active** to include it to the PDF report print out.

3 Job details

Job details	ON

Template item **Job details**
Adds job information, including the total score, to the PDF report:
Report type / Job name / Nr of measurements / Customer name / Date-Time / Assessment
Sample:

Job details

Report type	Print Production-Report
Job name	AGRI NK - KONGRESBLAD 2017 INSIDE WT84310_3A
Number of measurments	4
Customer	
Date	07/04/2017 12:08 PM
Assessment	Pass, score 87%

4 Instrument and scoring

Instrument and scoring setup

Template item **Instrument and scoring**
Adds scan instrument the print standard targetsset to the PDF report:
Targetset / Scoring set / Instrument backing / Illuminant, observer and measurement condition (Mx)

Sample:

Instrument and scoring setup

Targetset	PSO_P1_B_25-50-75_v2
Scoring	ISO 12647
Backing	Black
Illuminant / Observer / Condition	D50 / O2 /

5 Summary

Summary

Template item **Summary**
Adds a table with color and TVI assessment to the PDF report.
Read columns as:
[1] Print / Target [Lab] : printed value in bold, target values in light color tone
[2] Density : target density
[3] Delta E / Tolerance : deltaE of printed color in bold, accepted tolerance for assessment in light color tone
[4] Delta E score : scores for deltaE with the selected scoring set
[5] Dot gain score : scores for dot gain values with the selected scoring set
[6] Midtone spread: scores for mid-tone spread

Sample:

Summary

	1 Print / Target [L a b]			2 D	3 ΔE / Tol	4 ΔE	5
Black	16.0 / 16.0	0.8 / 0.0	1.9 / 0.0	1.80	5.4 / 5	75%	100%
Cyan	54.4 / 54.0	-35.9 / -36.0	-50.4 / -49.0	1.50	1.7 / 5	100%	100%
Magenta	49.0 / 46.0	74.8 / 72.0	-4.5 / -5.0	1.39	4.5 / 5	100%	83%
Yellow	87.9 / 87.0	-5.8 / -6.0	88.7 / 90.0	1.31	2.8 / 5	100%	100%
Red (M+Y)	48.5 / 46.0	68.5 / 67.0	45.8 / 47.0	1.53	3.9 / 10	100%	6
Green (C+Y)	49.0 / 49.0	-68.7 / -66.0	21.7 / 24.0	1.46	3.8 / 10	100%	
Blue (C+M)	25.3 / 24.0	16.8 / 16.0	-46.8 / -45.0	1.45	2.7 / 10	100%	33%
Paper	93.4 / 93.0	1.1 / 0.0	-2.7 / -3.0	0.00	1.3 / 3	100%	

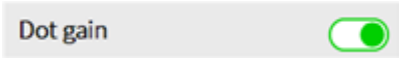
6 Signature

Template item **Signature**
Adds at the bottom of the PDF report a customer sign-off element.

Sample:

Comments	Signed	
	Place and date	Sign

7 Dot gain



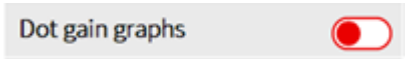
Template item **Dot gain**
Adds dot gain information to the PDF report.

Sample:

Dot gain 96% (obligatory) ✔

	Target ± Tolerance					
	25%	50%	75%	25%	50%	75%
Black	12.1 ± 4	17 ± 4	13.4 ± 3	✔ 11.33	✔ 16.46	✔ 13.24
Cyan	9.3 ± 3	14.3 ± 3	12.3 ± 3	✔ 12.24	✔ 10.32	✔ 10.65
Magenta	9.3 ± 3	14.3 ± 3	12.3 ± 3	⚠ 5.53	✔ 9.92	✔ 10.07
Yellow	9.3 ± 3	14.3 ± 3	12.3 ± 3	✔ 8.57	✔ 12.66	✔ 12.21

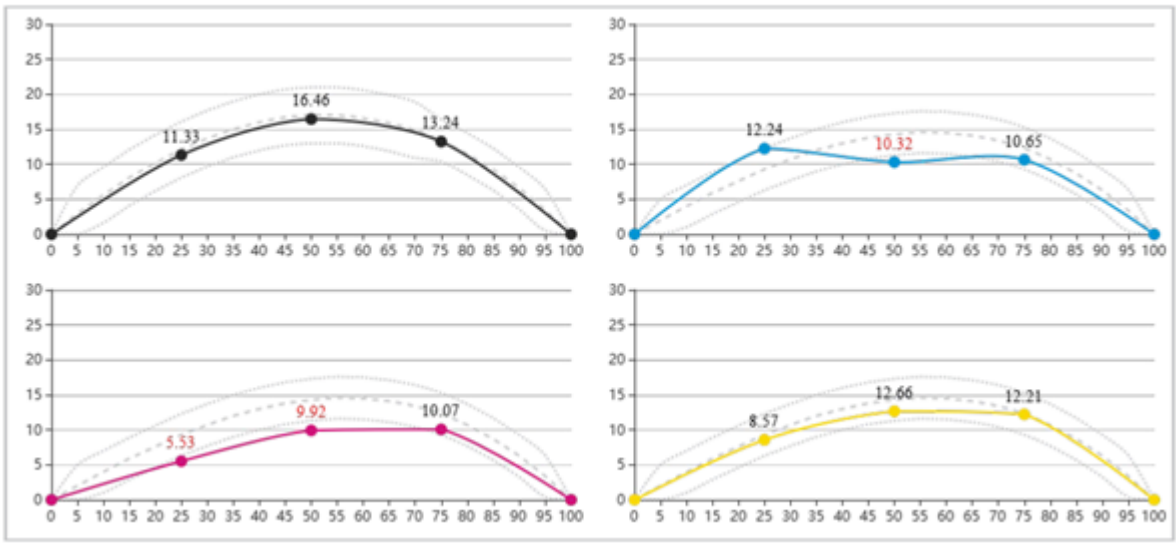
8 Dot gain graphs



Template item **Dot gain graphs**
Adds dot gain graphs to the PDF report.

Sample:

Dot gain curve view



9 CTP status

CTP status

Template item **CTP status**
Adds information about data exported by InkZoneTVI to the PDF report.

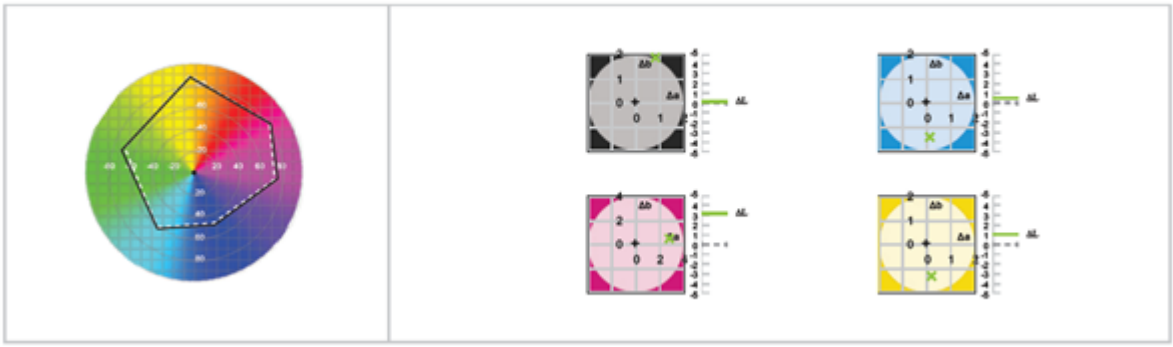
10 Lab graphs

Lab graphs

Template item **Lab graphs**
Adds a color gamut circle to the PDF report.

Sample:

Lab view



11 G7 graphs

G7 graphs

Adds a G7 graphs to the PDF report.

12 Add

Creates a PDF template which is available during PDF report creation.

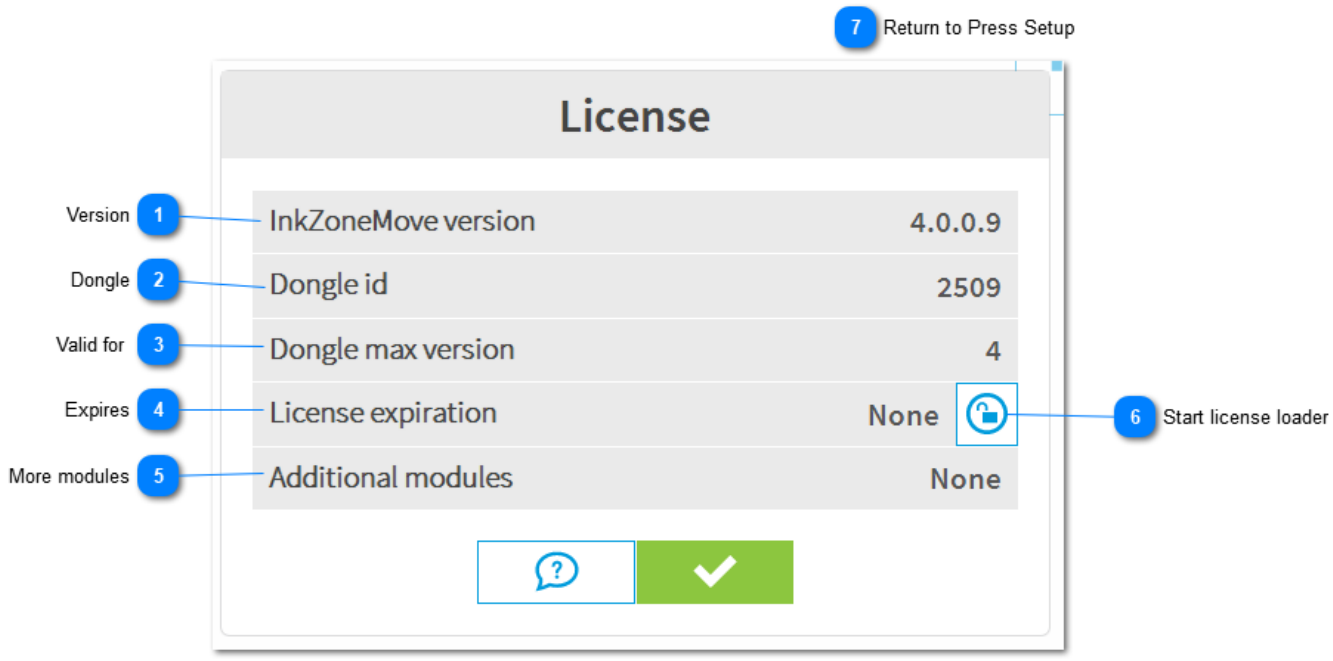
13 **Delete**

Delete the PDF template.

14 **Go to Data Export Setup**

1.2.8. Data Export Setup

1.1.9. License Information



1 Version

InkZoneMove version

Currently installed software version

2 Dongle

Dongle id

Dongle hardware ID. See also the blue identification label attached to the dongle

3 Valid for

Dongle max version

Dongle is valid for shown version number or lower

4 Expires

License expiration

License expires on the given data

5 More modules

Additional modules

Further licensed modules on this dongle

6 Start license loader

Starts the license loader module. Request a new license with the license loader.

See 1.2.10. License Loader

7 **Return to Press Setup**

1.2.1. Press Setup

1.1.10. License Loader

1 Refresh dongle information

Refresh the shown dongle information

2 Load License

Load license

Load a license file to change the dongle status

3 License request

Request extended license

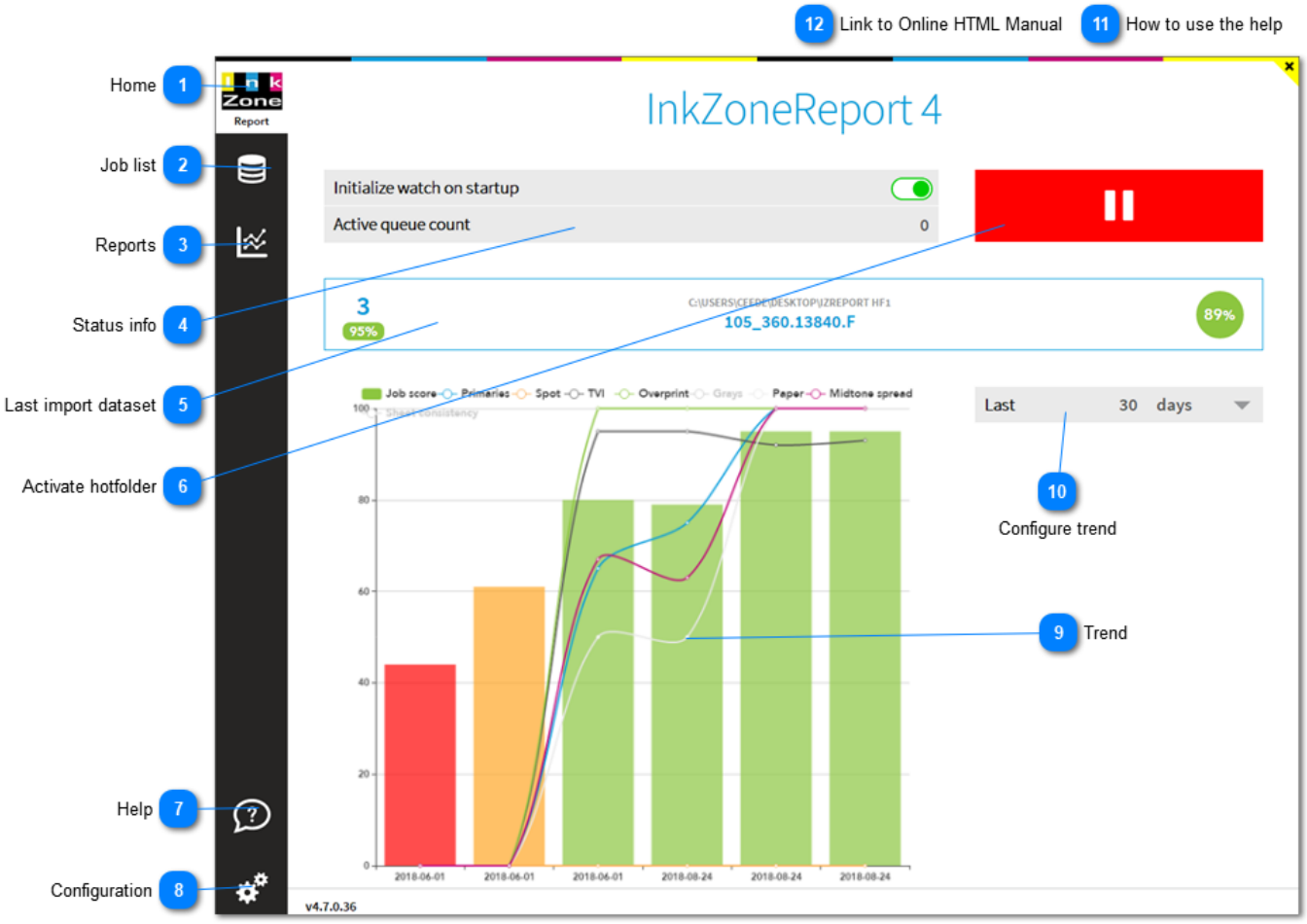
Creates a license request file. Send it to your dealer or distributor

4 Return to License Information

1.2.9. License Information

1.2. Jobs

1.2.1. Home



1 Home

A click on the icon returns you to the home screen (this screen)

2 Job list

Changes to job list

3 Reports

Displays the report from currently active job, see here 1.4.2.3. Report summary

4 Status info

Displays job name and currently active press setup and the selected instrument.

5 Last import dataset

Start a new job from here

6 Activate hotfolder

Opens current job in measurement view

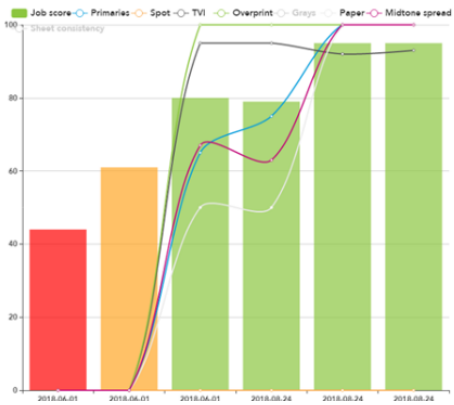
7 Help

Context sensitive help button. Brings up a help page from the currently active IZM4 page

8 Configuration

Change to the software configuration page

9 Trend



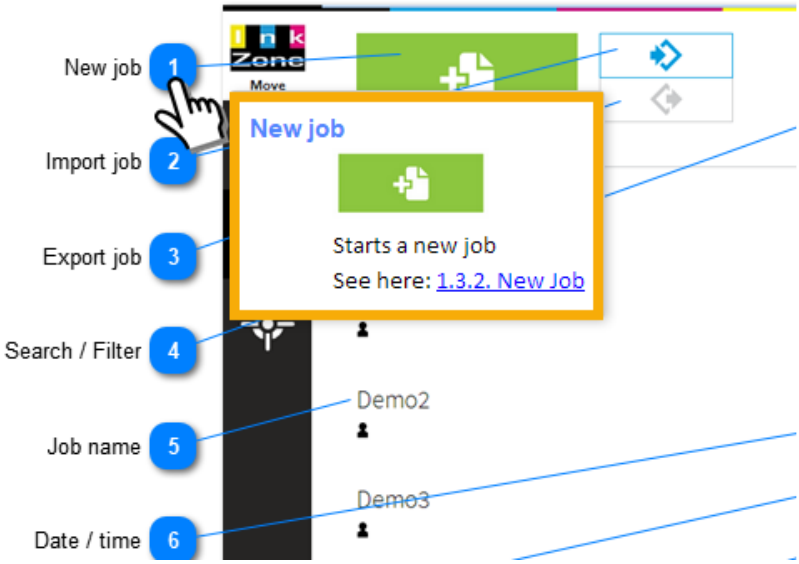
Trend graphs of the imported jobs. Vertical bars indicate job score. The trend lines indicate score on primary colours, spot colours, TVI and mid-tone spread, overprints , grays and paper white.

10 Configure trend

Change trend display from **number of jobs** to **last x days**, modify the number.

11 How to use the help

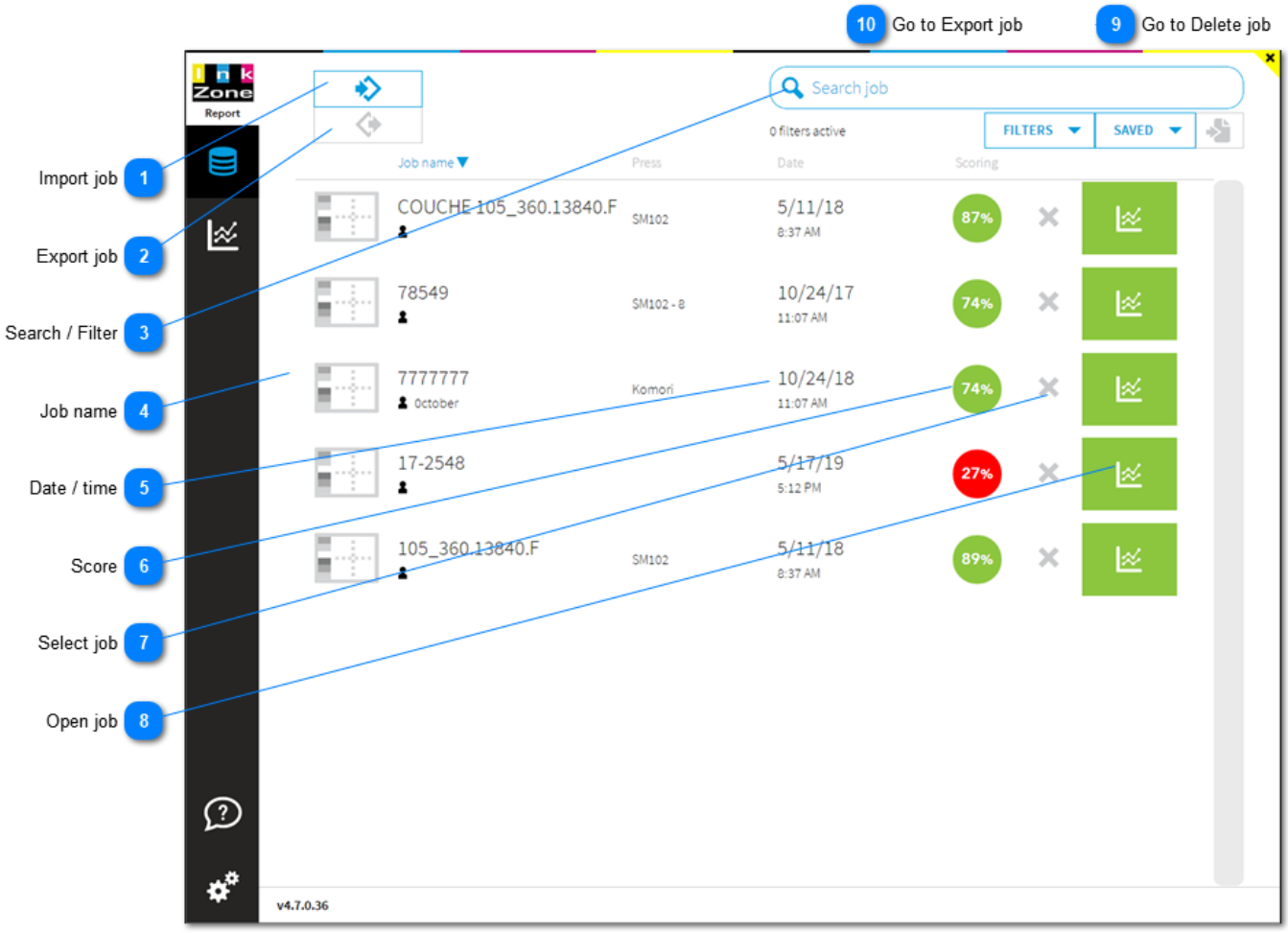
Hover over the number to get extra information or a link to the topic.



12 Link to Online HTML Manual

Click and open the online help document

1.2.2. Job List



1 Import job

Import job/s

2 Export job

To export a job, select first the cross icon left of the open

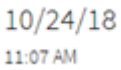
3 Search / Filter

Enter a part of the job name to filter the job list
Setup filter-sets for reoccurring searches.

4 Job name

Job name with date and job score

5 **Date / time**



Printing time and date

6 **Score**

Production score

7 **Select job**

Select a job there and then export or delete it.
See here: 1.3.3.1. Export Job and 1.3.3.2. Delete Job

8 **Open job**

Open the job in measurement view

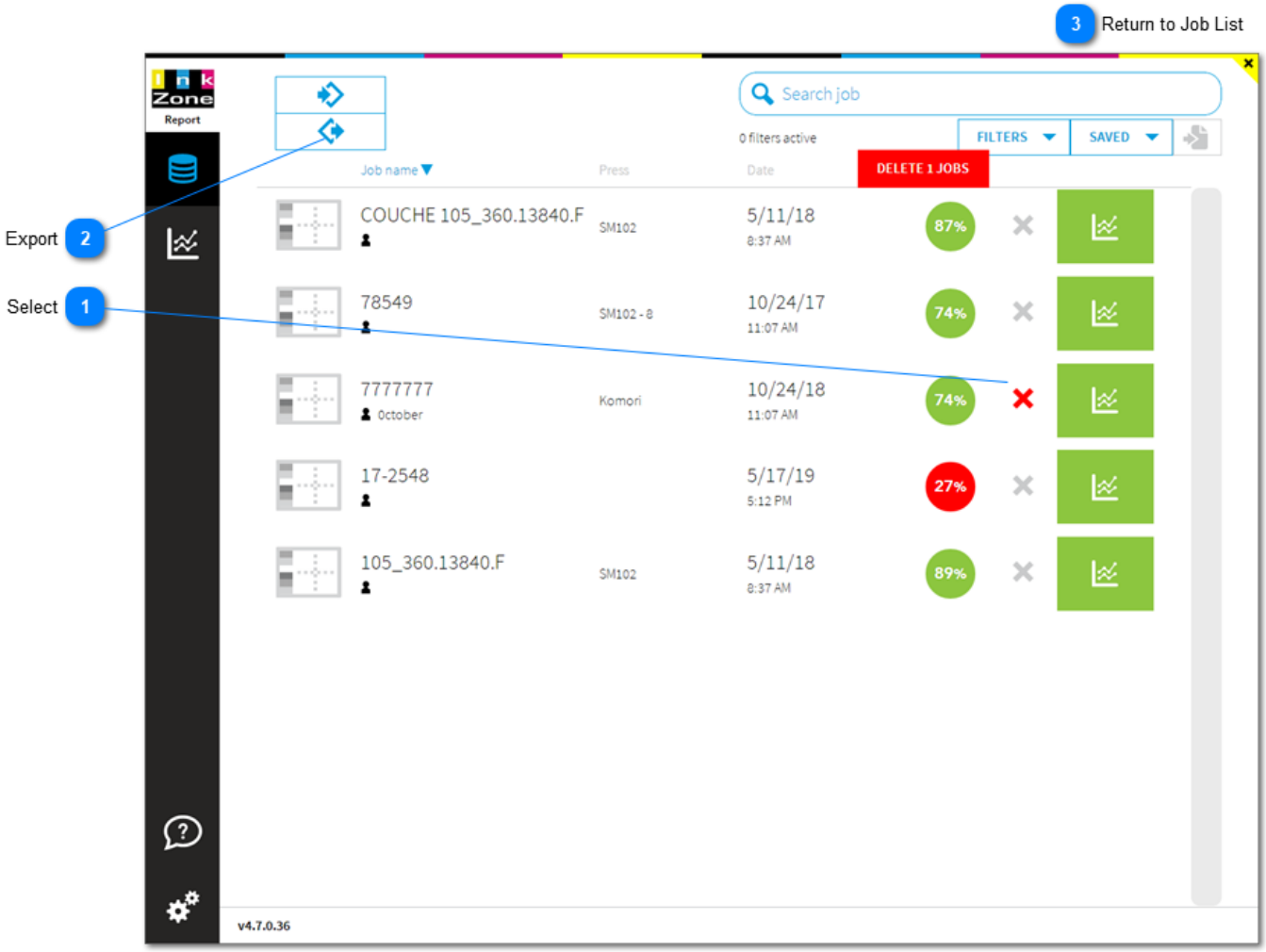
9 **Go to Delete job**

1.3.3.2. Delete Job

10 **Go to Export job**

1.3.3.2. Delete Job

1.2.2.1. Export Job



1 Select

First, select the job by clicking on the grey cross. When selected it turns red.

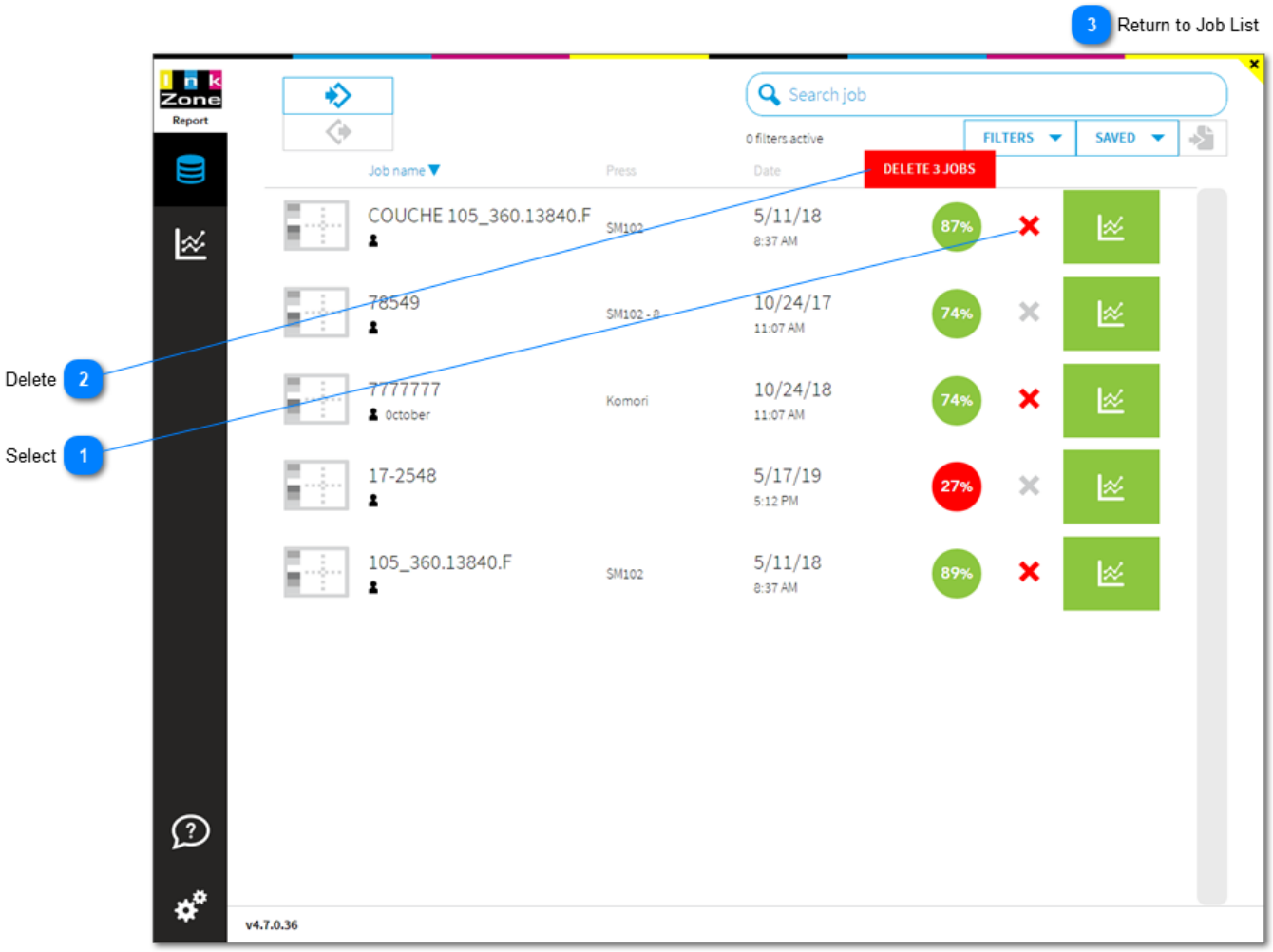
2 Export

Second, select the export button and choose an export path

3 Return to Job List

1.3.3. Job List

1.2.2.2. Delete Job



1 Select

✖

First, select the jobs from the grey cross icon. For all selected jobs the icons is red.

2 Delete

DELETE 3 JOBS

Second, press the delete button and confirm the action.

3 Return to Job List

1.3.3. Job List

1.3. Job Report

InkZone Report qualifies print jobs with a defined print standard or print reference. It processes X-Rite SVF data, Scan.XML, or JDF data.

1.3.1. Setup

InkZone Report uses target and scoring sets for the color assessments. For the configuration of IZReport, it's important to understand targetset: 1.2.4.3. Edit Targetset and scoring setup: 1.2.6. Scoring Setup

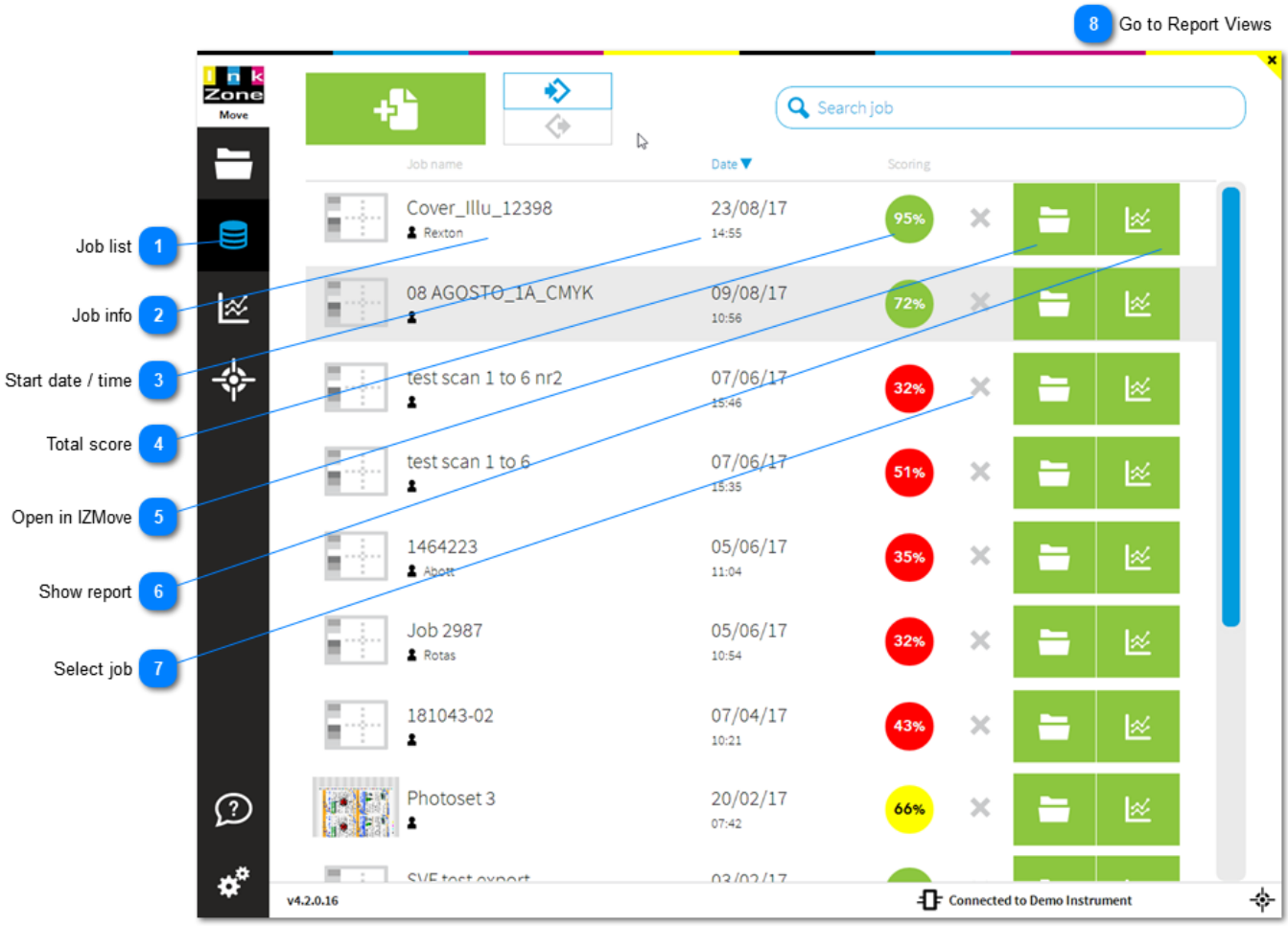
1.3.2. Views

InkZoneReport has different views on job measurement data.

Go to:

- 1.4.2.1. Job list
- 1.4.2.2. Production Report Summary
- 1.4.2.2. Production Report Summary
- 1.4.2.3. Sheet Report Summary
- 1.4.2.4. Sheet Reports
- 1.4.2.5. Trend on Density
- 1.4.2.6. Trend on Lab and TVI
- 1.4.2.7. Sheet Reports with Lab
- 1.4.2.8. PDF output
- PDF sample report

1.3.2.1. Job List



1 Job list

Access job list

2 Job info

Cover_Illu_12398

Rexton

Job and customer name

3 Start date / time

23/08/17

14:55

Job's start date and time

4 **Total score**

Total job score calculated from target and scoring set

5 **Open in IZMove**

Open job in InkZoneMove measurement view (only when IZMove is available)

6 **Show report**

Open report summary

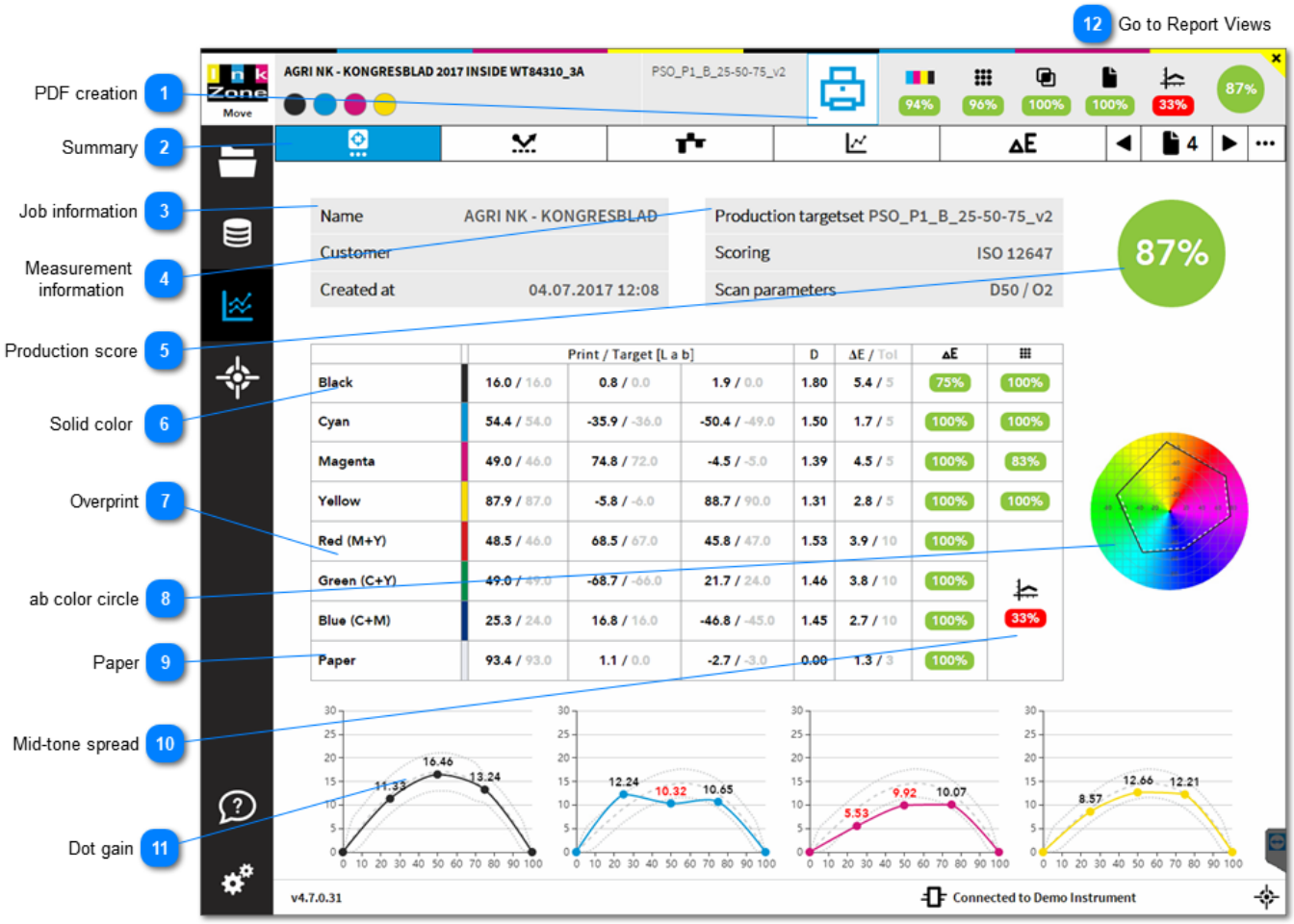
7 **Select job**

Select a job for export or removal.

8 **Go to Report Views**

1.4.2. Views

1.3.2.2. Production Report Summary



1 PDF creation

Create a PDF report printout. Tab on the icon and select the report type. Details see here:
1.4.2.9. PDF output

2 Summary

Access report summary

3 Job information

Name	AGRI NK - KONGRESBLAD
Customer	
Created at	04.07.2017 12:08

Displays job and customer name with start date and time.

4 Measurement information

Production targetset PSO_P1_B_25-50-75_v2	
Scoring	ISO 12647
Scan parameters	D50 / O2

Displays time for MakeReady and Production and job's final measurement which marks job end.

5 Production score

Total score on job production according to its target and scoring set.

6 Solid color

Read columns like:

Summary

	Print / Target [L a b] (1)			D (2)	ΔE / Tol (3)	ΔE (4)	▦ (5)
Black	16.0 / 16.0	0.8 / 0.0	1.9 / 0.0	1.80	5.4 / 5	75%	100%
Cyan	54.4 / 54.0	-35.9 / -36.0	-50.4 / -49.0	1.50	1.7 / 5	100%	100%
Magenta	49.0 / 46.0	74.8 / 72.0	-4.5 / -5.0	1.39	4.5 / 5	100%	83%
Yellow	87.9 / 87.0	-5.8 / -6.0	88.7 / 90.0	1.31	2.8 / 5	100%	100%
Red (M+Y)	48.5 / 46.0	68.5 / 67.0	45.8 / 47.0	1.53	3.9 / 10	100%	(6)
Green (C+Y)	49.0 / 49.0	-68.7 / -66.0	21.7 / 24.0	1.46	3.8 / 10	100%	
Blue (C+M)	25.3 / 24.0	16.8 / 16.0	-46.8 / -45.0	1.45	2.7 / 10	100%	
Paper	93.4 / 93.0	1.1 / 0.0	-2.7 / -3.0	0.00	1.3 / 3	100%	

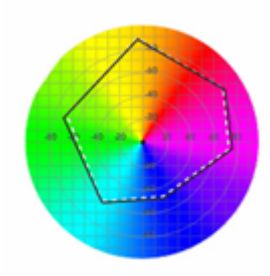
[1] Print / Target [Lab] : printed value in bold, target values in light color tone
[2] Density : target density
[3] Delta E / Tolerance : deltaE of printed color in bold, accepted tolerance for assessment in light color tone
[4] Delta E score : scores for deltaE with the selected scoring set
[5] Dot gain score : scores for dot gain values with the selected scoring set
[6] Midtone spread: scores for mid-tone spread

7 Overprint

Red (M+Y)	48.5 / 46.0	68.5 / 67.0	45.8 / 47.0	1.53	3.9 / 10	100%
Green (C+Y)	49.0 / 49.0	-68.7 / -66.0	21.7 / 24.0	1.46	3.8 / 10	100%
Blue (C+M)	25.3 / 24.0	16.8 / 16.0	-46.8 / -45.0	1.45	2.7 / 10	100%

Score on overprints (secondary colours)

8 ab color circle



Colour gamut with CMY and RGB coordinates.

9 Paper

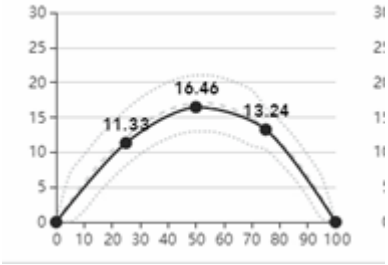
Paper	93.4 / 93.0	1.1 / 0.0	-2.7 / -3.0	0.00	1.3 / 3	100%

Score on paper (DeltaE on Lab)

10 Mid-tone spread

Score on CMY mid-tone spread

11 Dot gain

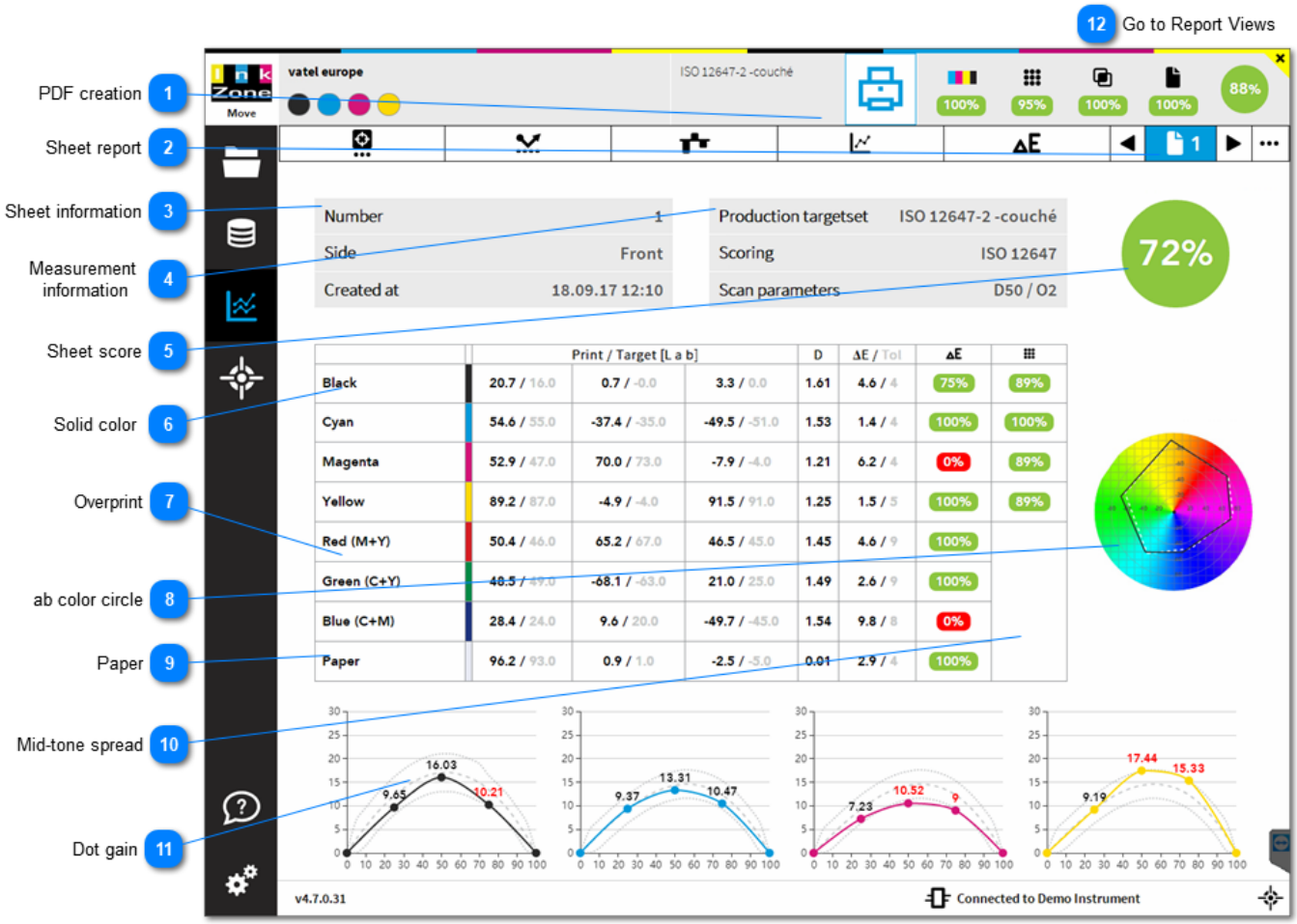


Tone value increase cure with print result and tolerance area.

12 Go to Report Views

1.4.2. Views

1.3.2.3. Sheet Report Summary



1 PDF creation

Create a PDF report printout. Tab on the icon and select the report type. Details see here:
1.4.2.9. PDF output

2 Sheet report

Access report summary

3 Sheet information

Number	1
Side	Front
Created at	18.09.17 12:10

Displays job and customer name with start date and time.

4 Measurement information

Production targetset	ISO 12647-2 -couché
Scoring	ISO 12647
Scan parameters	D50 / O2

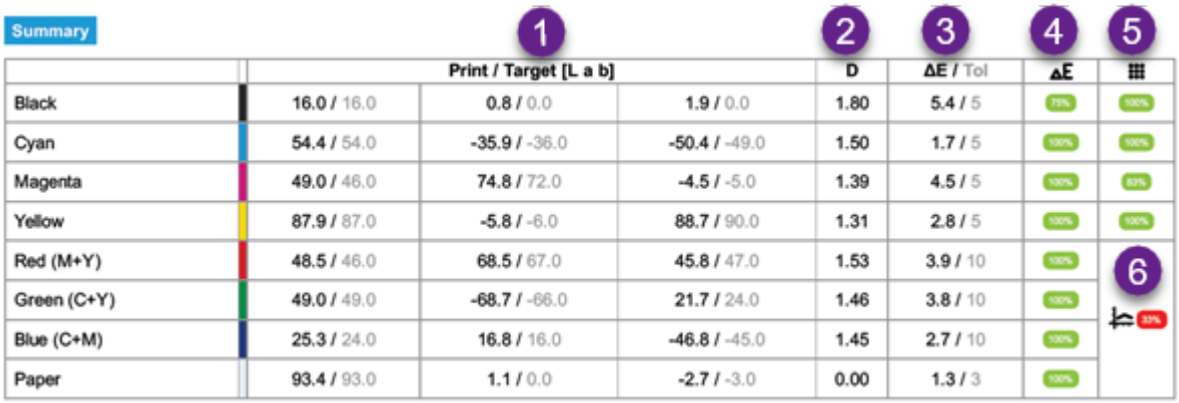
Displays time for MakeReady and Production and job's final measurement which marks job end.

5 Sheet score

Total score on job production according to its target and scoring set.

6 Solid color

Read columns like:



	Print / Target [L a b]			D	ΔE / Tol	ΔE	
Black	16.0 / 16.0	0.8 / 0.0	1.9 / 0.0	1.80	5.4 / 5	75%	100%
Cyan	54.4 / 54.0	-35.9 / -36.0	-50.4 / -49.0	1.50	1.7 / 5	100%	100%
Magenta	49.0 / 46.0	74.8 / 72.0	-4.5 / -5.0	1.39	4.5 / 5	100%	83%
Yellow	87.9 / 87.0	-5.8 / -6.0	88.7 / 90.0	1.31	2.8 / 5	100%	100%
Red (M+Y)	48.5 / 46.0	68.5 / 67.0	45.8 / 47.0	1.53	3.9 / 10	100%	
Green (C+Y)	49.0 / 49.0	-68.7 / -66.0	21.7 / 24.0	1.46	3.8 / 10	100%	
Blue (C+M)	25.3 / 24.0	16.8 / 16.0	-46.8 / -45.0	1.45	2.7 / 10	100%	
Paper	93.4 / 93.0	1.1 / 0.0	-2.7 / -3.0	0.00	1.3 / 3	100%	

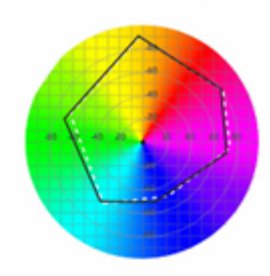
[1] Print / Target [Lab] : printed value in bold, target values in light color tone
[2] Density : target density
[3] Delta E / Tolerance : deltaE of printed color in bold, accepted tolerance for assessment in light color tone
[4] Delta E score : scores for deltaE with the selected scoring set
[5] Dot gain score : scores for dot gain values with the selected scoring set
[6] Midtone spread: scores for mid-tone spread

7 Overprint

Red (M+Y)	50.4 / 46.0	65.2 / 67.0	46.5 / 45.0	1.45	4.6 / 9	100%
Green (C+Y)	48.5 / 49.0	-68.1 / -63.0	21.0 / 25.0	1.49	2.6 / 9	100%
Blue (C+M)	28.4 / 24.0	9.6 / 20.0	-49.7 / -45.0	1.54	9.8 / 8	0%

Score on overprints (secondary colours)

8 ab color circle



Colour gamut with CMY and RGB coordinates.

9 Paper

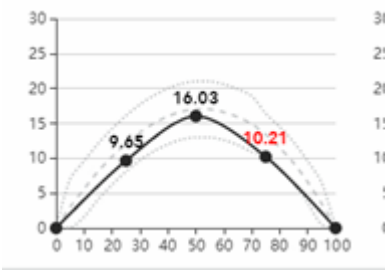
Paper	96.2 / 93.0	0.9 / 1.0	-2.5 / -5.0	0.01	2.9 / 4	100%

Score on paper (DeltaE on Lab)

10 Mid-tone spread

Score on CMY mid-tone spread

11 Dot gain

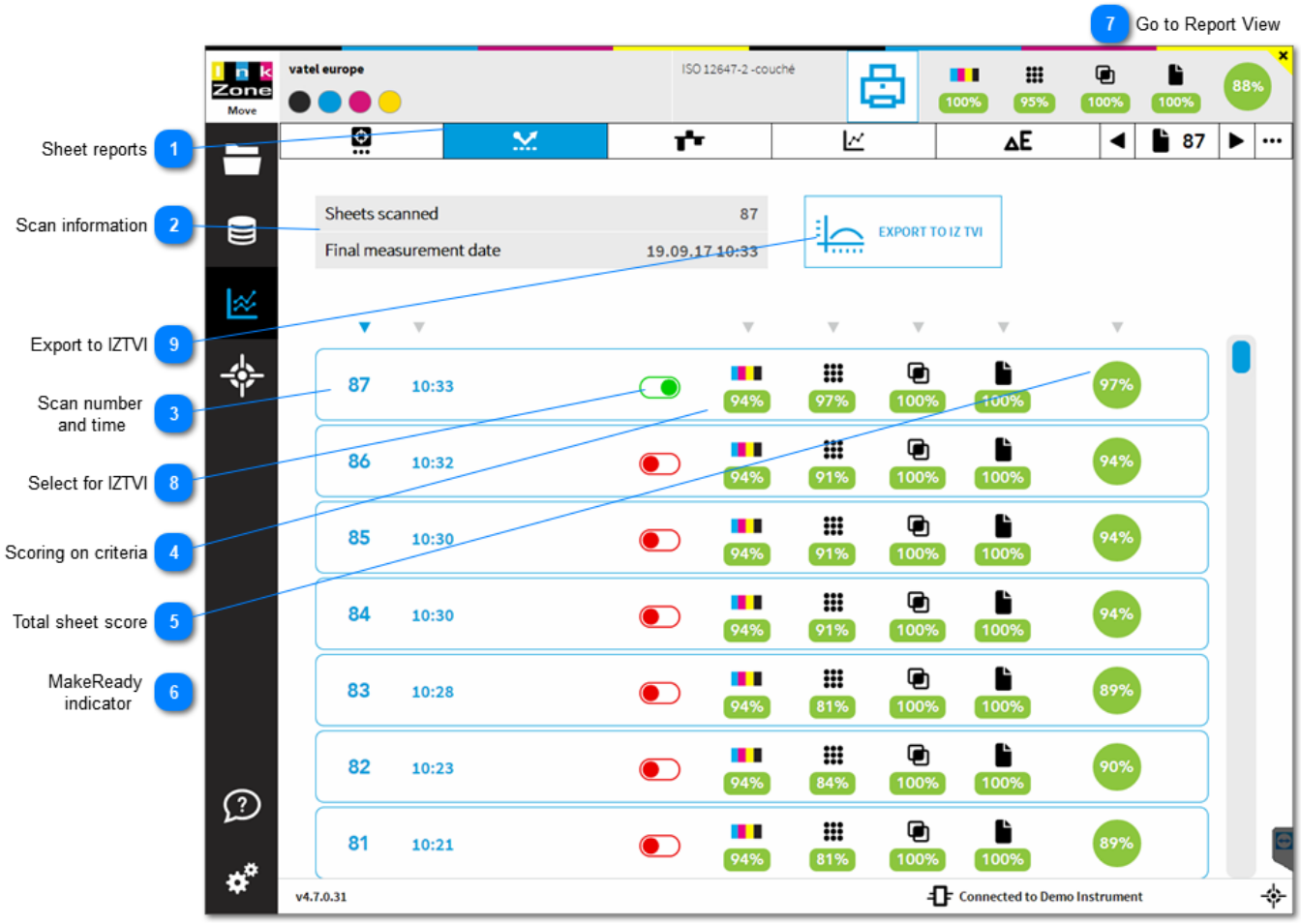


Tone value increase cure with print result and tolerance area.

12 Go to Report Views

1.4.2. Views

1.3.2.4. Sheet Reports



1 Sheet reports

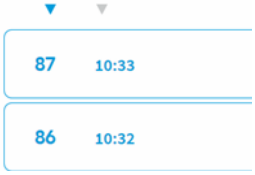
Access sheet report

2 Scan information

Sheets scanned	87
Final measurement date	19.09.17 10:33

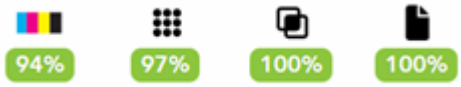
Total scan measurement, including MakeReady, and the time when the last measurement was takenf

3 Scan number and time



Measurement number and time.
A click on a measurement brings you further to the DeltaE sheet report 1.4.2.6. Sheet report DeltaE

4 Scoring on criteria



Scoring for every criteria:
- solid color CMYK - deltaE
- TVI
- overprint - deltaE
- paper - deltaE

5 Total sheet score

Total scoring for selected sheet

6 MakeReady indicator

A grey background indicates that the sheet was measured during MakeReady.

7 Go to Report View

1.4.2. Views

8 Select for IZTVI

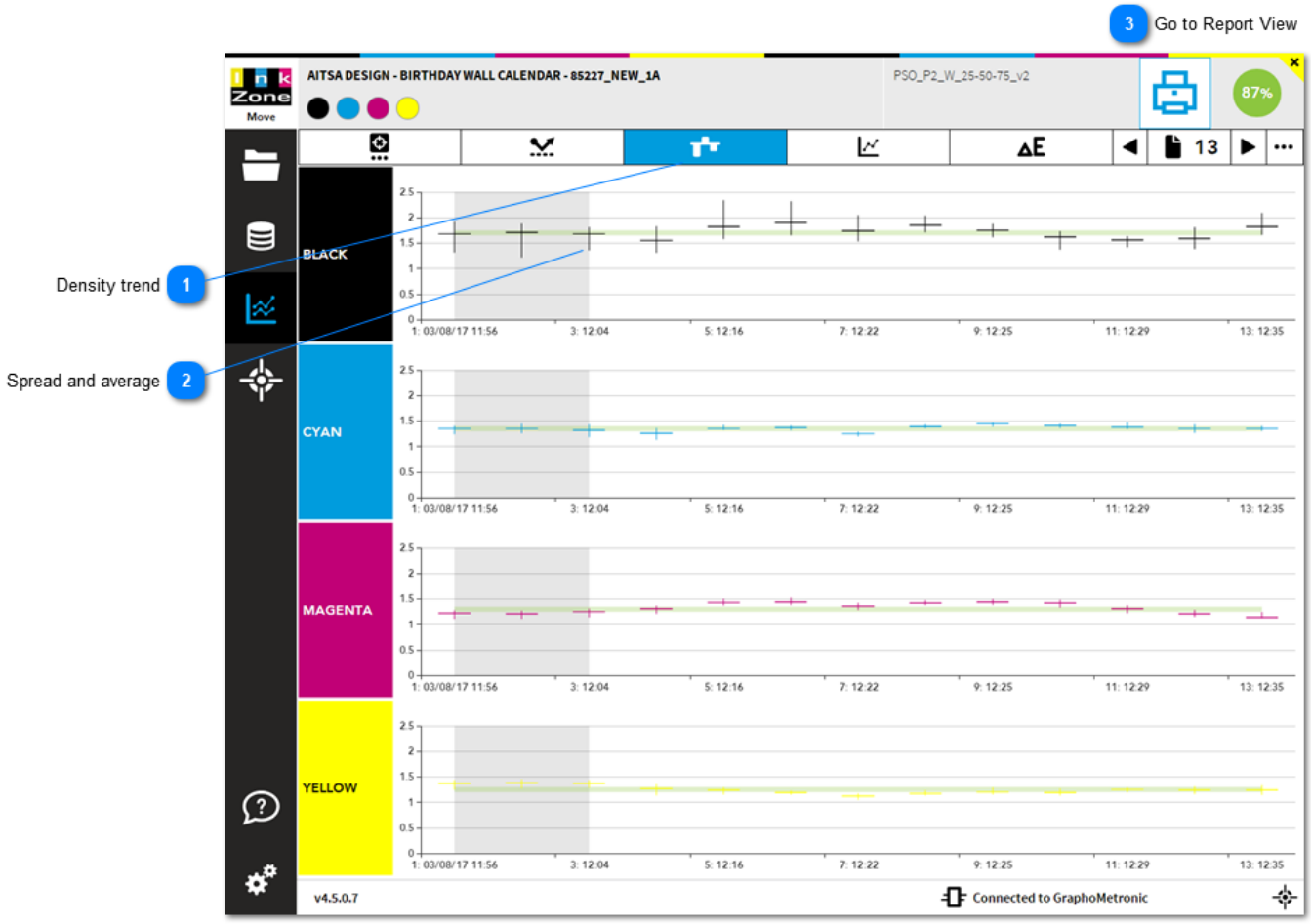
Select here the measurement data to be exported to InkZoneTVI for CTP plate compensation.
After selecting one or more measurement, press the button above "Export to IZ TVI" .

9 Export to IZTVI

After selecting one or more scan measurement, see "Select from IZTVI", the export button gets visible. Press the button and the selected dataset are exported for InkZoneTVI. A data average is created if more than one scan is selected.

1.3.2.5. Trend on Density

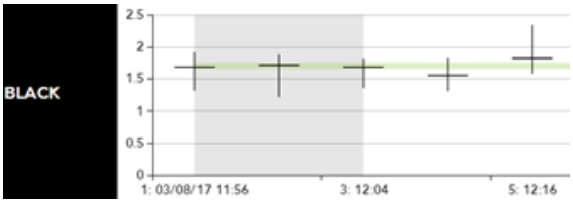
A density trend graphs displays the spread and average density for every measurement.



1 Density trend

Access density trend

2 Spread and average



Indicates average density (horizontal) and spread (vertical).
Example:
Measurement number 5 has an average of 1,8 and a density spread from 1.55 to 2.40 which is the lowest and highest density reading from the black color.

3 Go to Report View

1.4.2. Views

1.3.2.6. Trend on Lab and TVI

Shows Lab trend for primary and secondary colours, trend for TVI plus the mid-tone spread.

1 Trend

Opens trends

2 Primary, Secondary colours

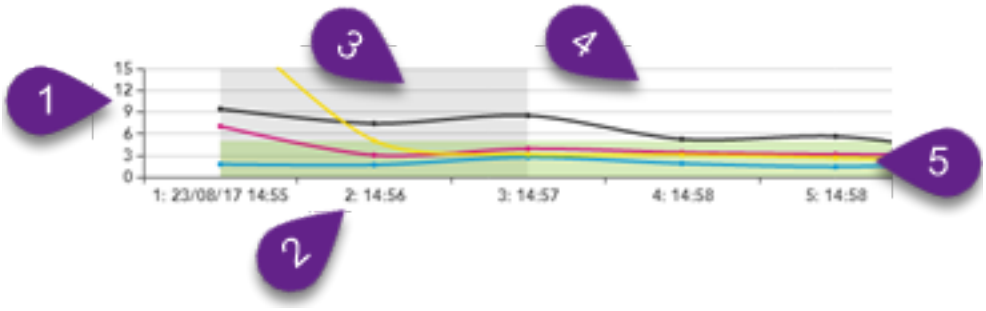
Black
Cyan
Magenta
Yellow

Blue (C+M)
Green (C+Y)
Red (M+Y)

Click on a colour here to toggle it on or off in the graph.

3 Diagram

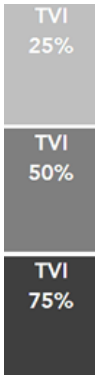
Display of a color is toggled on and off by clicking on the color's name on the right.



1) DeltaE scale
2) Measurement number and time stamp
3) Grey area = status MakeReady mode
4) White area = status Production mode
5) Green area = tolerance

4 TVI percentage

Depending on the target and scoring setup the trend for the TVI percentage are shown here.

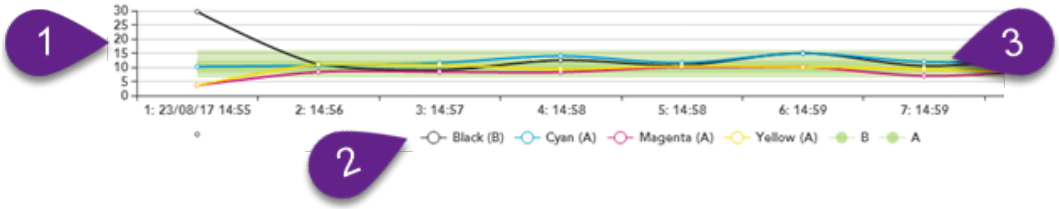


Dot gain 25% (quarter tone)

Dot gain 50% (mid tone)

Dot gain 75% (three quarter tone)

5 TVI diagram



1) TVI percentage scale
2) Toggle diagram colours on and off
3) Tolerance area

6 Mid-tone spread

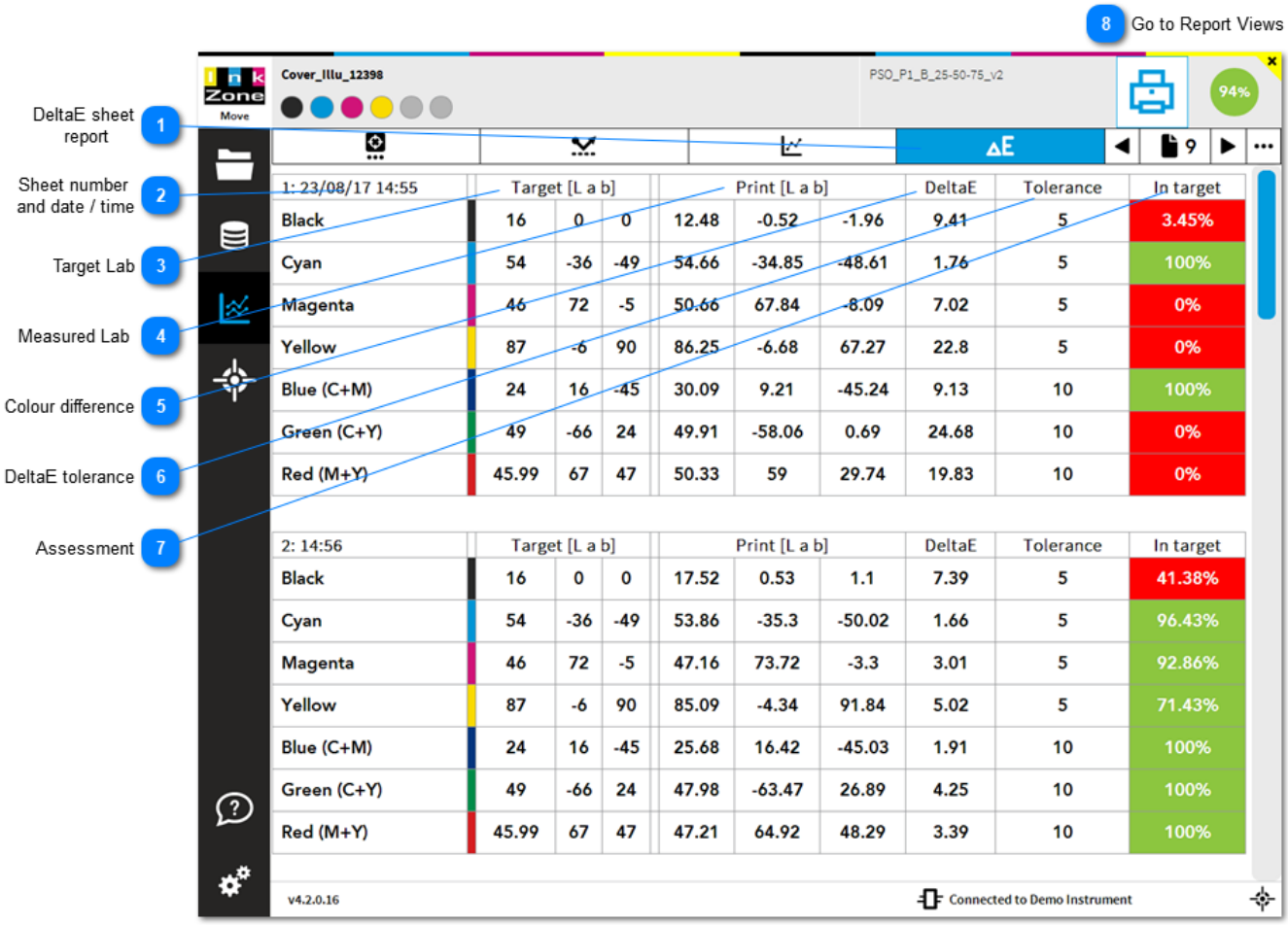
CMY mid-tone spread

7 Go to Report View

1.4.2. Views

1.3.2.7. Sheet Reports with Lab

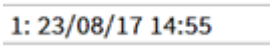
Report on every sheet with DeltaE on primary and secondary colours.



1 DeltaE sheet report

Opens DeltaE report for every measured sheet

2 Sheet number and date / time



Indicates sheet number and date and time

3 Target Lab

Target [L a b]		
16	0	0
54	-36	-49
46	72	-5

Target Lab for all printed colours

4 Measured Lab

Print [L a b]		
12.48	-0.52	-1.96
54.66	-34.85	-48.61
50.66	67.84	-8.09

Average Lab from all measured patches

5 Colour difference

DeltaE
9.41
1.76
7.02

DeltaE from target and measured patches

6 DeltaE tolerance

Tolerance
5
5
5

Tolerance for every colour, set in targetset

7 Assessment

In target
3.45%
100%
0%

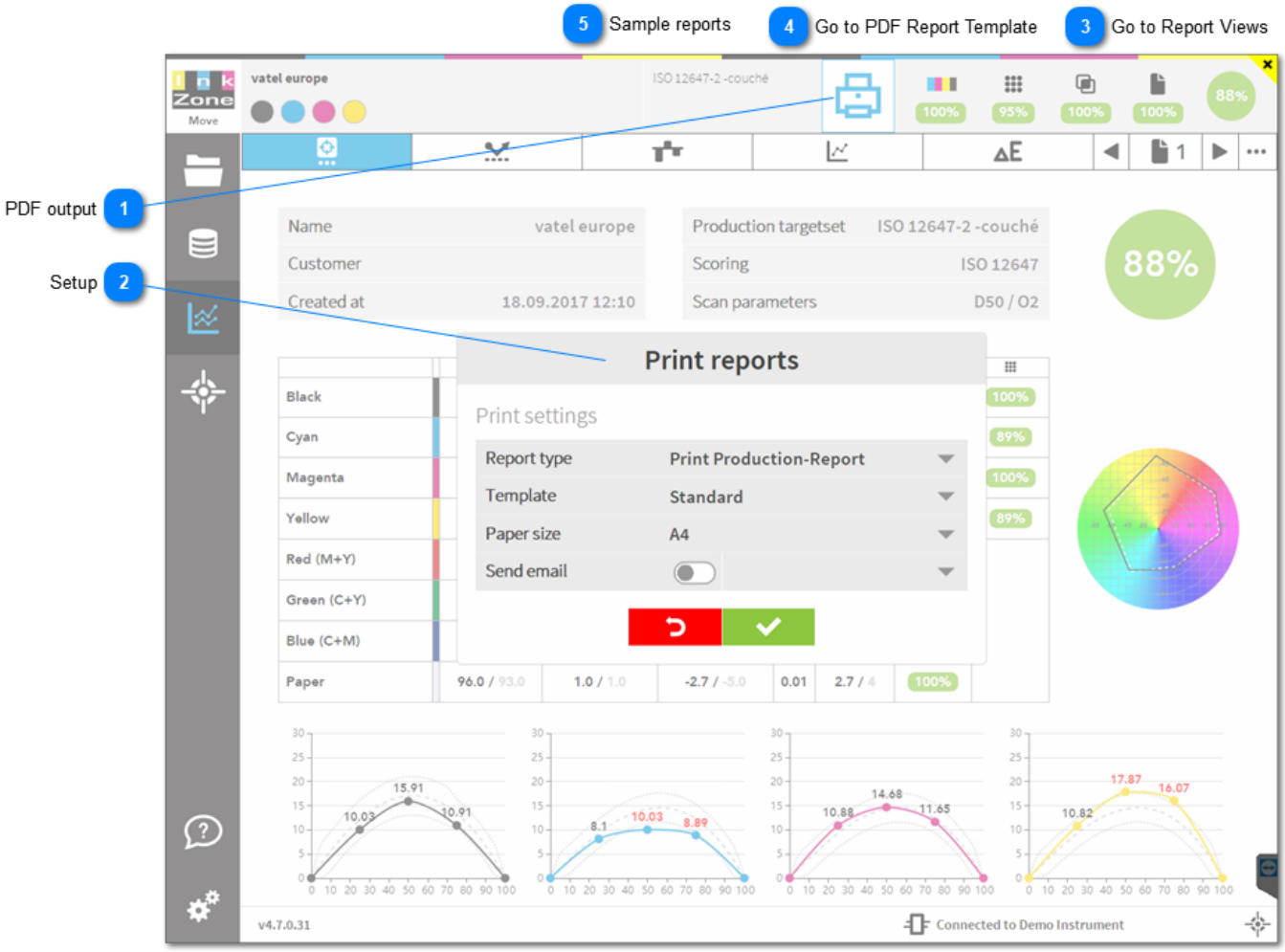
Displays number of patches in target [in percentage] with pass, fail indication

8 Go to Report Views

1.4.2. Views

1.3.2.8. PDF output

Print sheet or production report.



1 PDF output

Start here to create a PDF sheet or production report

2 Setup

Report Type

1) Production report
2) Single sheet report

Template

Select a PDF report template.
Setup a template here 1.2.8.8. PDF Report Template

Paper size
1) A4
2) Letter

Label print
On or off
Creates a narrow sized PDF to print on a label printer

3 Go to Report Views

1.4.2. Views

4 Go to PDF Report Template

1.2.8.8. PDF report template

5 Sample reports

Sample

FAQ section

Find here a collection of frequently asked questions.

Computer with 2 monitors

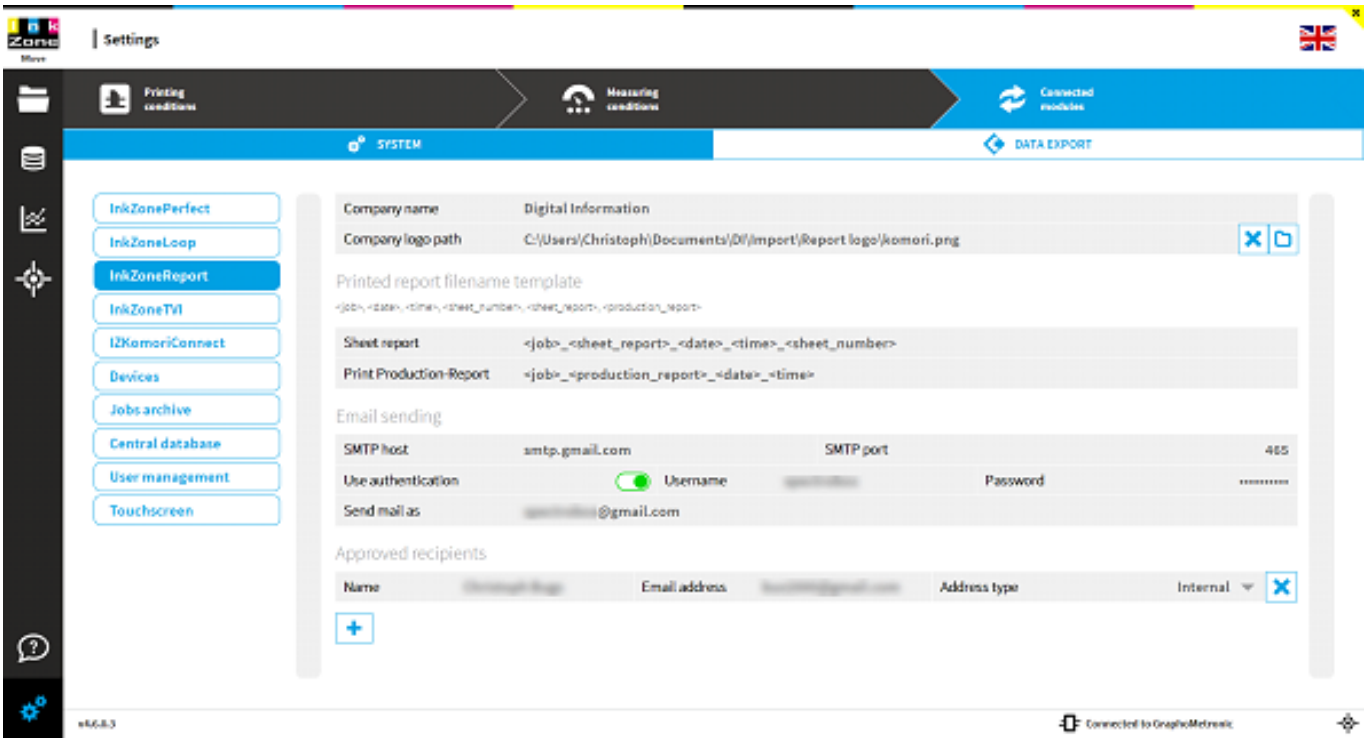
InkZoneMove should appear on the 2nd monitor. How to configure?
Press CTRL + ALT + 2 . Return to monitor 1 with CTRL + ALT + 1

Send e-mail with Google Mail server

a) Setup

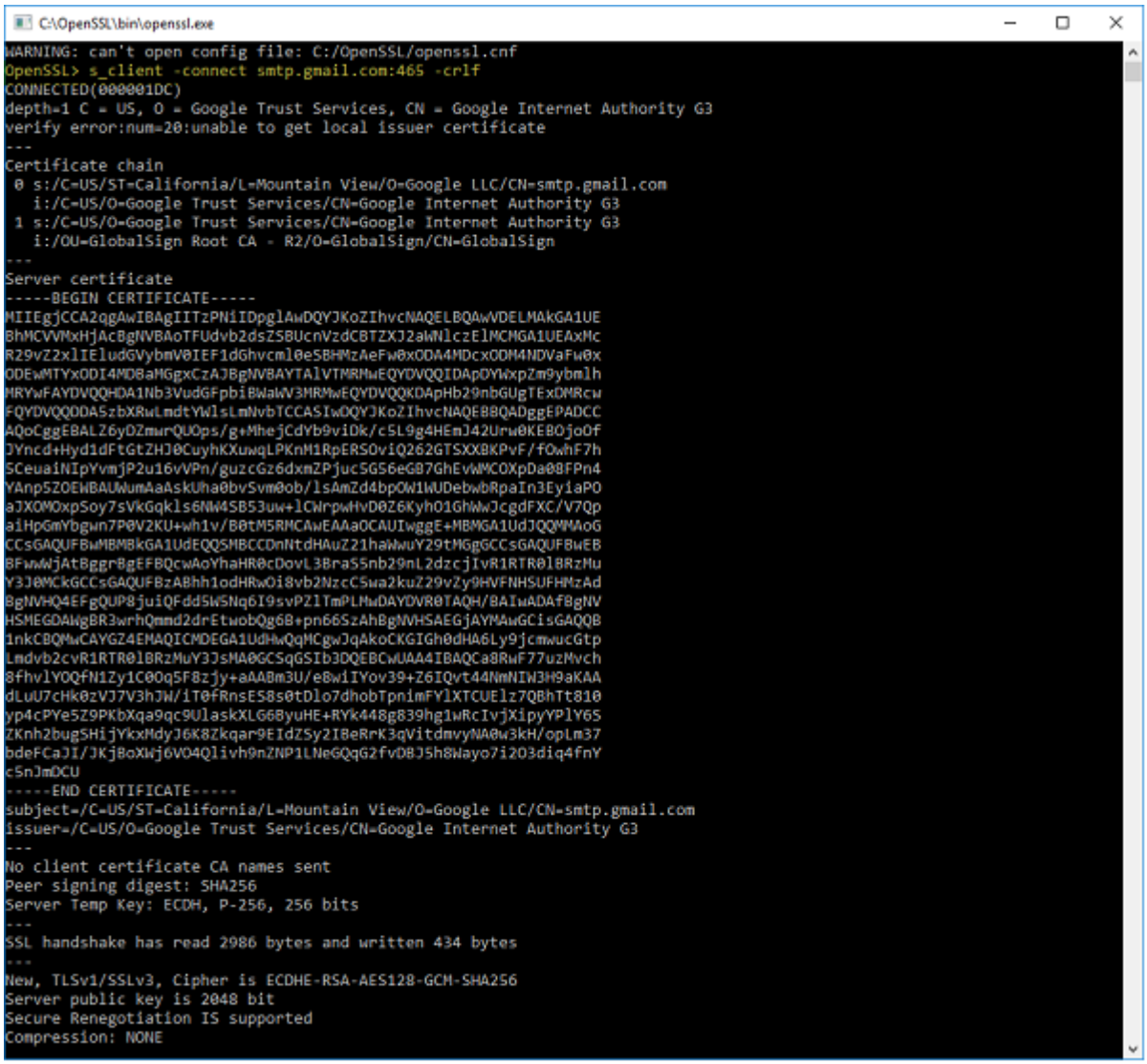
Gmail SMTP server address: smtp.gmail.com
Gmail SMTP username: Your Gmail address (e.g. example@gmail.com)
Gmail SMTP password: Your Gmail password
Gmail SMTP port (SSL): 465

If you can't send mail with your Gmail account for that reason, it's unlikely that you're entering the wrong SMTP settings. Instead, you'll get a message related to the security of the email client.
To solve this, log in to your Google account through a web browser and enable access through less secure apps through this link.
If that is not the reason Gmail isn't working in your email client, see How to Unlock Gmail for a New Email Program or Service.



b) Verify SSL connection with OpenSSL for Windows

1. Download OpenSSL for Windows from sourceforge: https://sourceforge.net/projects/openssl/
2.Copy folder OpenSSL to c:\OpenSSL
3.Start openssl.exe from C:\OpenSSL\bin
4.Connect to the smtp server:
OpenSSL> s_client -connect smtp.gmail.com:465 -crlf
The complete procedure is described here: https://taufanlubis.wordpress.com/2016/02/08/how-to-send-email-via-gmail-server-using-openssl/


C:\OpenSSL\bin\openssl.exe
WARNING: can't open config file: C:/OpenSSL/openssl.cnf
OpenSSL> s_client -connect smtp.gmail.com:465 -crlf
CONNECTED(000001DC)
depth=1 C = US, O = Google Trust Services, CN = Google Internet Authority G3
verify error:num=20:unable to get local issuer certificate

Certificate chain
0 s:/C=US/ST=California/L=Mountain View/O=Google LLC/CN=smtp.gmail.com
i:/C=US/O=Google Trust Services/CN=Google Internet Authority G3
1 s:/C=US/O=Google Trust Services/CN=Google Internet Authority G3
i:/OU=GlobalSign Root CA - R2/O=GlobalSign/CN=GlobalSign

Server certificate
-----BEGIN CERTIFICATE-----
MIIEgjCCA2qgAwIBAgIITzPNiIDpglAwDQYJKoZIhvcNAQELBQAwVDELMAkGA1UE
BhMCVVMxHjAcBgNVBAoTFUdvb2dsZSBUcnVzdCBTZXJ2aWNlczElMCMGA1UEAxMc
R29vZ2xlIEludGVybmV0IEF1dGhvcml0eSBHMzAeFw0xODA4MDcxODM4NDVaFw0x
ODEwMTYxODI4MDBaMGgxCzAJBgNVBAYTAlVTMRMwEQYDVQQIDApDYWxpZm9ybmlh
MRYwFAYDVQQHDA1Nb3VudGFpbiBWaWV3HRMwEQYDVQQKDApHb29nbGUgTExDMRcw
FQYDVQQDDA5zbXRwLmdtYWlsLmNvbTCCASIwDQYJKoZIhvcNAQE8BQADggEPADCC
AQoCggEBALZ6yDZmwrQUOps/g+MhejCdYb9viDk/c5L9g4HEmJ42Uru0KEBOjoOf
JYncd+Hyd1dFtGtZHJ0CuyhKXuwqLPKnMiRpERSOviQ262GTSXXBKPvF/fOwhF7h
5CeuaiNIpYvmjP2u16vVPn/guzcGz6dxmZPjuc5GS6eGB7GhEvWMCOXpDa08FPn4
YAnp5ZOEWBAUWumAaAskUha0bvSvm0ob/lsAmZd4bpOW1WUDebwbRpaIn3EyiaPO
aJXOMOxpSoy7sVkGqkls6NW4SB53uw+lCWrpwHvD0Z6KyhO1GhWwJcgdFXC/V7Qp
aiHpGmYbgwn7P0V2KU+wh1v/B0tM5RMCAwEAAaOCAUIwggE+MBMGA1UdJQQMMAoG
CCsGAQUFBwMBMBkGA1UdEQQSMBCCDnNtdHAuZ21haWwuY29tMGgGCCsGAQUFBwEB
BFwwWjAtBggrBgEFBQcwAoYhaHR0cDovL3Bra5Snb29nL2dzcjIvR1RTR0l8RzMu
Y3J0MCkGCCsGAQUFBzABhh1odHRwOi8vb2NzcC5wa2kuZ29vZy9HVFNHSUFHMzAd
BgNVHQ4EFgQUP8juiQFdd5W5Nq6I9svPZlTmPLMwDAYDVR0TAQH/BAIwADAfBgNV
HSMEGDAWgBR3wrhQmmd2drEtwobQg68+pn66SzAhBgNVHSAEGjAYMAwGCisGAQQB
1nkCBQMwCAYGZ4EMAQICMDEGA1UdHwQqMCgwJqAkoCKGIGh0dHA6Ly9jcmwucGtp
Lmdvb2cvR1RTR0lBRzMuY3JsMA0GCSqGSIb3DQEBCwUAA4IBAQCa8RwF77uzMvch
8fhvlYOQfN1Zy1C0Oq5F8zjy+aAABm3U/eBwiIYov39+Z6IQvt44NmNIW3H9aKAA
dLuU7cHk0zVJ7V3hJW/iT0fRnsES8s0tDlo7dhobTpnimFYlXTCUElz7QBhTt810
yp4cPYe5Z9PKbXqa9qc9UlaskXLG6ByuHE+RYk448g839hg1wRcIvjXipyYPlY6S
ZKnh2bugSHijYkxMdyJ6K8Zkqar9EIdZSy2IBeRrK3qVitdmvyNA0w3kH/opLm37
bdeFCaJI/JKjBoXWj6VO4Qlivh9nZNP1LNeGQqG2fvD8J5h8Wayo7i2O3diq4fnY
c5nJmDCU
-----END CERTIFICATE-----
subject=/C=US/ST=California/L=Mountain View/O=Google LLC/CN=smtp.gmail.com
issuer=/C=US/O=Google Trust Services/CN=Google Internet Authority G3

No client certificate CA names sent
Peer signing digest: SHA256
Server Temp Key: ECDH, P-256, 256 bits

SSL handshake has read 2986 bytes and written 434 bytes

New, TLSv1/SSLv3, Cipher is ECDHE-RSA-AES128-GCM-SHA256
Server public key is 2048 bit
Secure Renegotiation IS supported
Compression: NONE