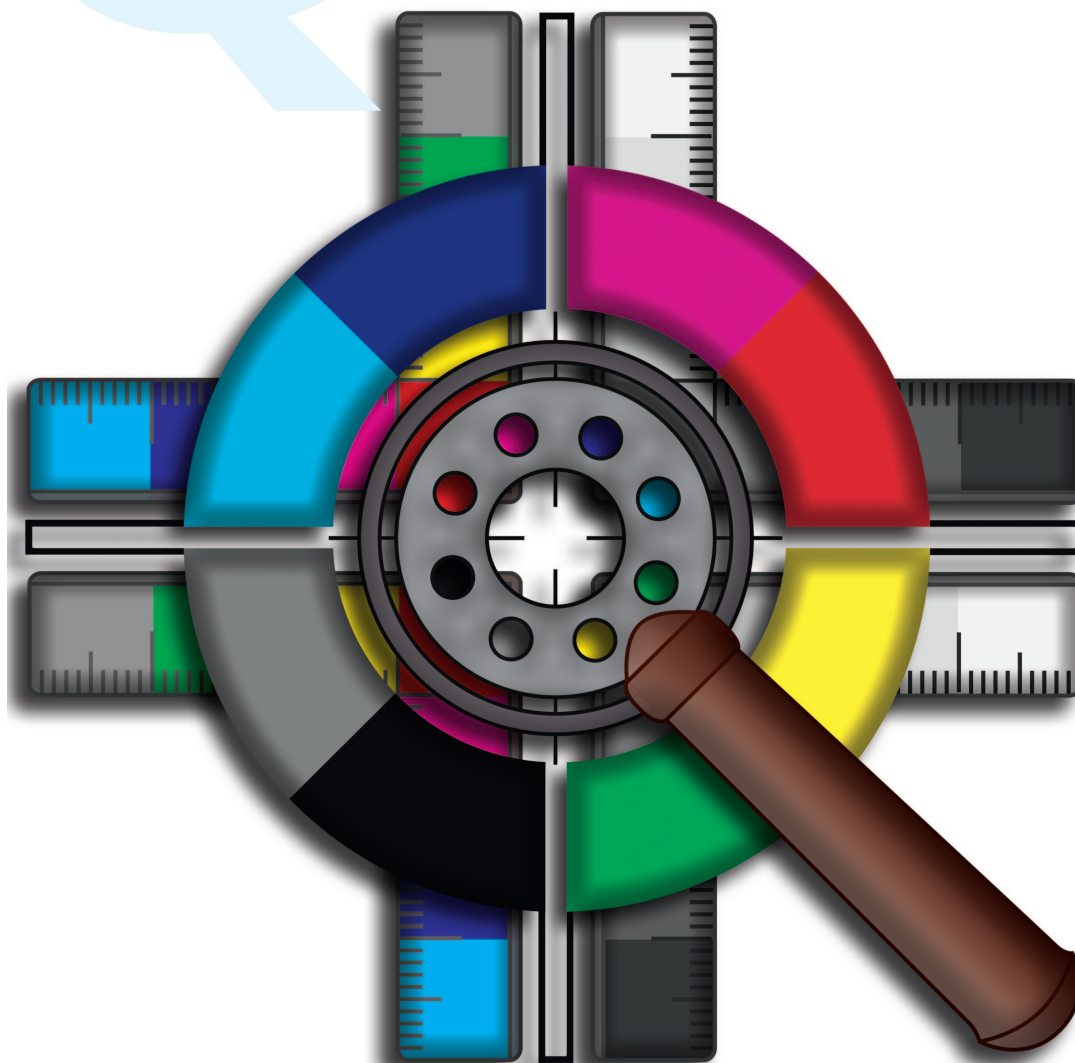


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Ugra Proof and Print Certification Tool V1®



Quality Control Tool

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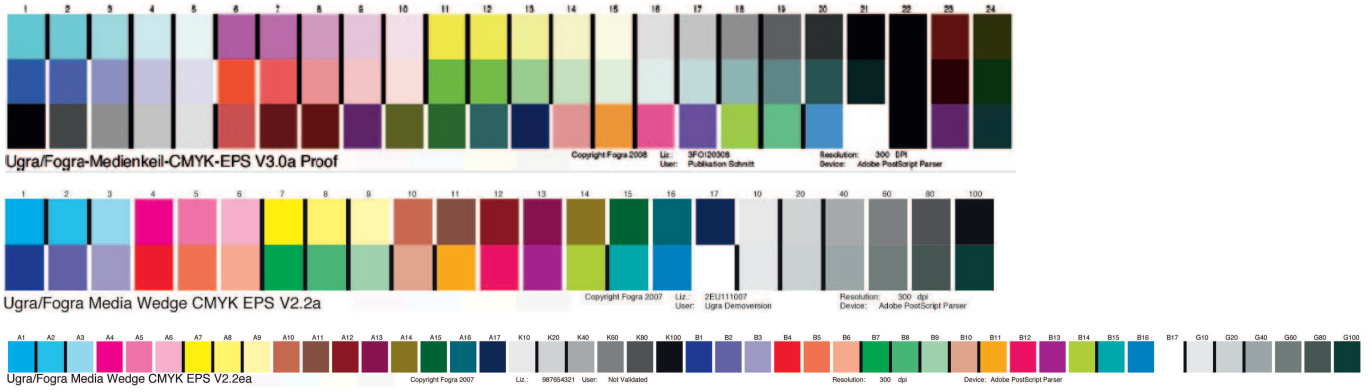
UPPCT (Ugra Proof and Print Certification Tool®)

UPPCT is a software to measure proofs and prints and to judge their quality. The speciality is:

- UPPCT measures diverse wedges
- UPPCT performs standard evaluations according to ISO 12647-2 and ISO 12647-3 for print
- UPPCT performs standard evaluations according to ISO 12647-7 for proofs
- UPPCT performs evaluations according to Ugra specifications for proofs
- UPPCT makes a judgement of all measured values

Evaluable Wedges

- Ugra/Fogra Media Wedge V3, Media Wedge V2.x 1-row, Media Wedge V2.x 2-rows



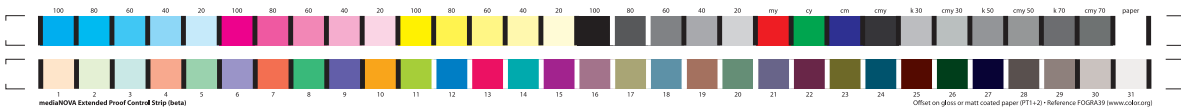
- System Brunner Proofzebrastrip



- Idealliances ISO 12647-7 Strip



- mediaNOVA Strip



- ECI/bvdm TVI 10



- 10-Step-TVI-Wedge



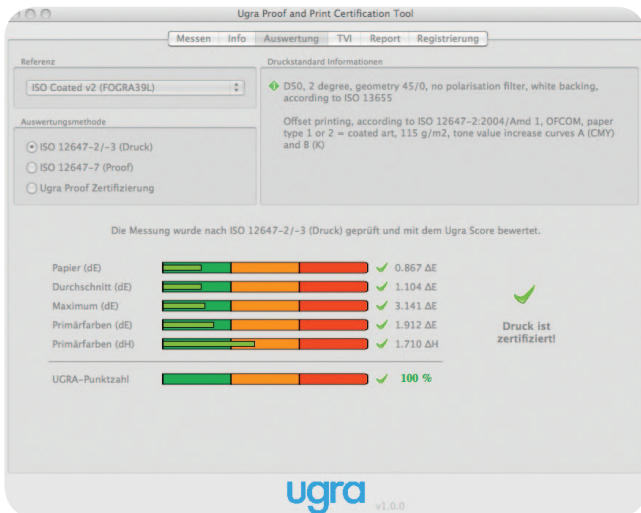
- Ugra Print Control Strip for quality assessment according to ISO 12647-3, V2.0



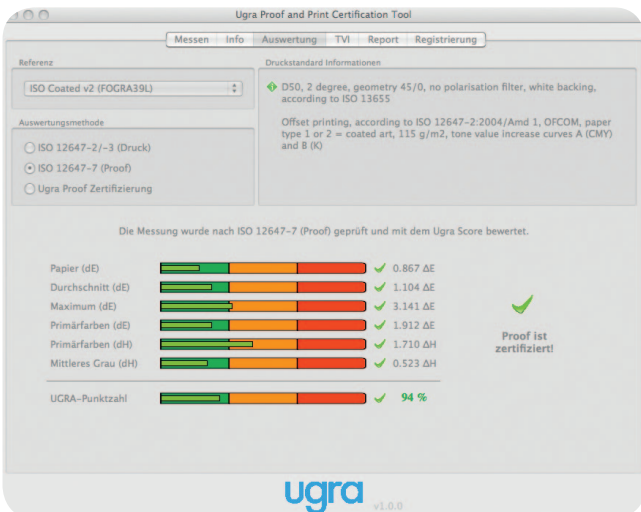
The Evaluation of UPPCT

The UPPCT software is available for Mac and PC. The software can be used with a X-Rite i1 Pro, Colorvision Datacolor 1005 or a X-Rite Pulse. The measured values are evaluated directly in UPPCT.

The reference, like e.g. ISOcoated_v2 (FOGRA39), can be selected in the tab «Evaluation». In this tab a short summary and information about the printing standard are displayed.



ISO-Evaluation for Prints



ISO-Evaluation for Proofs

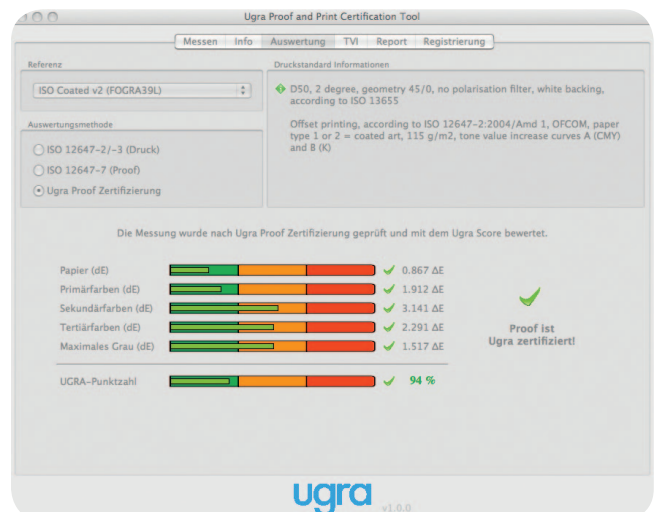
For aim values the following print standards are present:

- All characterisation data from FOGRA27 to FOGRA47
- Gracol 2006_Coated1
- SWOP 2006_Coated3
- SWOP 2006_Coated5

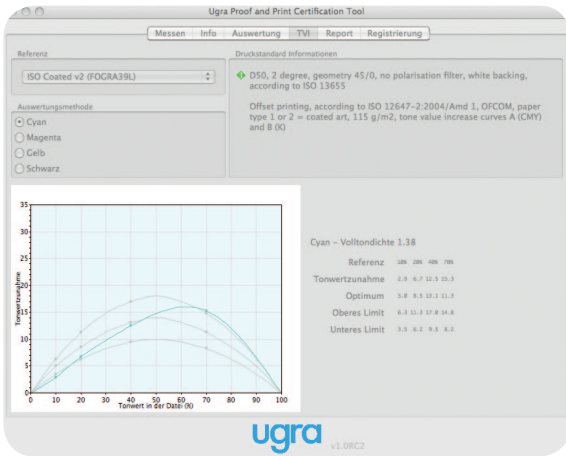
Altogether three different evaluations can be displayed:

- according to ISO 12647-2 ISO 12647-3 for print
- according to ISO 12647-7 for proofs
- according to Ugra Proof specification

Apart from the pure measurement and evaluation UPPCT accomplishes a judgement of the results. This judgement takes place according to an Ugra own color perception formula. If a proof obtains a judgement (score) of above 93% it is certified and leads to a nearly perfect proof-print-match.



Ugra-Evaluation for Proof



The tone value increase can be displayed for each color in the tab «TVI». Information about the printing standard and the reference are likewise displayed. The tone values increase is evaluated with each measured wedge. A 10-step-wedge provides certainly better results than wedges with less patches.

Thus the suitable software is available for the evaluation of the VPR (VisualPRINT Reference). It is also used for the Ugra PSO Certification evaluation of proofs and print results.

Kategorie	Delta	Limit	Ergebnis
Papier (dE)	1.94	3.00	OK
Durchschnitt (dE)	1.65	4.00	OK
Maximum (dE)	4.12	10.00	OK
Primärfarben (dE)	4.12	5.00	OK
Primärfarben (dH)	2.47	2.50	OK
UGRA-Punktzahl			95.8 %

Name	CMYK	Referenz (L*a*b*)	Messung (L*a*b*)	ΔE	ΔH
A1	100.00 0.00 0.00 0.00	55.00 -37.00 -50.00	54.28 -35.01 -49.82	2.13	-1.51
A2	70.00 0.00 0.00 0.00	66.86 -24.73 -37.10	65.58 -24.82 -36.77	1.32	0.26
A3	40.00 0.00 0.00 0.00	79.72 -12.53 -21.75	79.03 -12.02 -20.17	1.80	0.36
A4	20.00 0.00 0.00 0.00	87.68 -5.78 -11.80	86.49 -5.08 -10.18	2.13	0.09

The tab «Report» shows the summary of the measurements and detailed results such as CMYK tolerances, CIELAB tolerances, measured CIELAB values, ΔE^* - and ΔH -values for each measured patch individually. Optionally the TVI can be integrated into the report and stored as PDF-file. A label can be printed as well, which can be stuck on the proof or the print.

Ugra Proof and Print Certification Tool

Datum: 2009-9-6 12:30:03 Drucker:
Referenz: ISO Coated v2 (FOGRA39L) Papier:
Messgerät: - Tintentyp:
Job: Notizen:

Kategorie	Delta	Limit	Ergebnis
Papier (dE)	0.867	3.000	OK
Primärfarben (dE)	1.912	5.000	OK
Sekundärfarben (dE)	3.141	4.000	OK
Tertiärfarben (dE)	2.291	3.000	OK
Maximales Grau (dE)	1.517	2.000	OK
UGRA-Punktzahl			94.4%

Proof ist Ugra zertifiziert

Signatur

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Druck - Auswertungsergebnis

Papier (dE) 0.867
Durchschnitt (dE) 1.104
Maximum (dE) 3.141
Primärfarben (dE) 1.912
Primärfarben (dH) 1.710
UGRA-Score 100.0 %

Messdaten

Name	CMYK	Referenz (L*a*b*)	Messung (L*a*b*)	dE	dH
A1	100.00 0.00 0.00 0.00	55.00 -37.00 -50.00	55.45 -38.13 -48.67	1.81	1.71
A2	70.00 0.00 0.00 0.00	66.86 -24.73 -37.10	67.08 -25.92 -36.64	1.29	1.24
A3	40.00 0.00 0.00 0.00	79.72 -12.53 -21.75	79.53 -13.32 -21.34	0.91	0.89
A4	20.00 0.00 0.00 0.00	87.68 -5.78 -11.80	87.51 -5.58 -11.61	0.32	-0.09
A5	10.00 0.00 0.00 0.00	91.48 -2.97 -6.96	90.85 -3.16 -5.70	1.43	0.73

Data can be exported and imported. With the export data (spectral values, CIELAB values, TVI values) further evaluations can be made in other software applications. Thus house standards can be imported as aim value.

Sale of the Software

The software is available on an USB stick. We offer different bundles:

- UPPCT with XRite i1Pro, Ugra/Fogra Media Wedge CMYK V3.0 and DYMO Label Writer
- UPPCT with XRite i1Pro
- UPPCT with Ugra/Fogra Media Wedge CMYK V3.0
- UPPCT with DYMO Label Writer

The software is available as demo version, which can be tested during one month free of charge.

Please contact Thomas Holm (th@pixl.dk) for demo.