



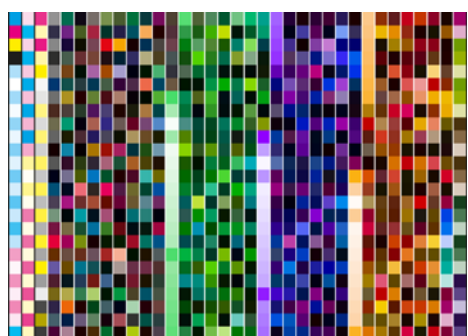
## Hydra Profiling®

Profile any 3 to 7-color printing process in minutes



48 patches

4-color conventional press calibration and profiling control strip



875 patches

7-color calibration and profiling chart



Hydra Profiling®



Accurate 4-color  
Hydra® ICC Profile



Accurate 7-color  
Hydra® ICC Profile

## Main benefits



### Simple

Step-by-step operating mode



### Fast

Small number of patches to print and measure



### Cost-efficient

Less patches, less time, less expensive

## Spectral profiling made quick and easy with Alwan's Hydra® technology!

Hydra Profiling® has been developed to help you profile any of your printing processes faster and cheaper than ever. Create your own 3 to 7-color ICC profiles in a matter of minutes thanks to our spectral prediction technology now available in our latest product Alwan ToolBox (ATB)!

Alwan's patented Hydra Profiling® technology is able to generate accurate ICC profiles from a limited number of patches.

## Hydra Profiling®: what makes it simple?

Hydra® technology offers intelligent assessment, filtering and averaging of measurement data. This allows operators as well as experts to easily create accurate output ICC profiles.

In our latest Alwan ToolBox product, we have decided to simplify the profile creation process, building a step-by-step operating mode.



Step-by-step operating mode available in Alwan ToolBox

## Hydra Profiling®: what makes it fast?

From the measurement of a limited number of patches, Hydra®'s patented spectral prediction technology generates the missing patches required to build an ICC profile. In using a fraction of the number of patches usually necessary to characterize a process, printing and measurement times turn out to be significantly shorter.



Hydra® control strip for calibration and profiling of a conventional press requires only 48 patches that can be measured in a matter of seconds.

## Hydra Profiling®: what makes it cost-efficient?

Most printers use inaccurate generic profiles or obsolete device profiles or no profile at all due to the cost of profiling their printing processes.

Thanks to the small number of patches required by Hydra®, printers can put specially built control strips in any available space in the printing form, without the need for tedious, long and costly dedicated profiling sessions.

Moreover, Hydra® allows you to edit an output profile to accommodate any change of process ink without the need for a profiling session.



CMYK process dataset and CMYKOGV process dataset are used to build a new CMYV profile.

## Hydra Profiling® accuracy

| CMYK Profiles            |                                   |                                   |                                  |                                    |                                    |                                   |
|--------------------------|-----------------------------------|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|
|                          | IT8.7/4 Reference<br>1638 Patches | Offset Coated Paper<br>40 Patches | Flexo Coated Paper<br>40 Patches | Flexo Flexible film<br>135 Patches | Inkjet Coated Paper<br>220 Patches | Toner Coated Paper<br>220 Patches |
| Average $\Delta E_{00}$  | 0.5 - 1.0                         | 0.8                               | 1.0                              | 0.9                                | 0.9                                | 0.9                               |
| Best 95% $\Delta E_{00}$ | 0.5 - 1.0                         | 0.8                               | 0.9                              | 0.9                                | 0.7                                | 0.8                               |
| Max 95% $\Delta E_{00}$  | 2.0 - 4.0                         | 1.8                               | 2.4                              | 2.8                                | 3.9                                | 2,2                               |

Alwan Hydra® profiles are as accurate as IT8 based profiles, with 10 to 40 times less patches, work and cost!  
Above  $\Delta E_{00}$  show AToB tables accuracy on calibrated processes. For more information regarding Hydra Profiling® accuracy figures, please contact [support@alwancolor.com](mailto:support@alwancolor.com)

You need more information or you are interested in trying Hydra Profiling®?  
Please contact your local dealer or email us at [sales@alwancolor.com](mailto:sales@alwancolor.com)



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