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Reliable digital workflow solutions

With GretagMacbeth's new digital workflow solutions, you can now deliver the brand experience your customers expect... at the speed and efficiency your business demands.

Connect color to your supply chain... your enterprise... your customers – quickly and easily!

How is a reliable digital workflow different from the way things are done today?

Today, many companies attempt to digitize their color workflow to achieve shorter cycle times, higher quality and lower costs. However, very few companies see the business improvements they seek. A montage of color matching equipment in disparate locations and proprietary software protocols make it nearly impossible to share color data reliably – plus, the current process is costly and time-consuming.

The complexity of current systems causes frequent measurement errors, which corrupt data. Therefore few companies trust that today's technologies give them reliable information for critical business decisions.

Innovative GretagMacbeth technology takes your current digital workflow and makes it reliable.

The reliable digital workflow employs two key GretagMacbeth technologies: (1) profiling and (2) open software development platforms. Profiling technologies eliminate bad color data from entering your workflow. Open software platforms allow you to connect color data to other systems and processes within your workflow. Now you have reliable color data that can be easily shared throughout your enterprise, supply chain and with customers.

And here's another advantage...

you don't need to replace all of your equipment. A minimal investment can yield maximum return on operating cost reductions and overall productivity. Plus, the reliable digital workflow may open new business opportunities for you to offer unique services including:

- Customized color matching
- Small lot custom color batches
- Color compliance services complete with audit trail and digital signature
- And more

See the video.

Learn about our **NEW** solutions for a reliable digital workflow

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Reliable digital workflow solutions for plastics
A reliable digital workflow... your formula for success.

Your formulations can vary depending upon a complex matrix of colorant and resin systems, aesthetic and performance attributes, plus the availability of raw materials. The reliable digital workflow gives you the flexibility to simplify the process and obtain accurate color.

Here's how...


A **Color iMatch** system featuring the **new Color i7** spectrophotometer does more than match the color. The system can model your process and literally configure itself, saving hours and eliminating costly errors.

Speed and simplify formulation with process mapping.

Let's say you're formulating masterbatch for vinyl siding that requires long-term durability and superior weather resistance. These performance characteristics will affect your choice of colorant, resin and additive combinations. Plus, you may use a percentage of regrind in your formula.



With a reliable digital workflow you can build your formulation expertise into the system and simplify the process. The **Color iMatch** system will determine the most accurate color match based on your selection of colorants, resin, additives and sample thickness. It will automatically configure the **Color i7** to prompt the operator to measure with the appropriate aperture size engaged. The result... your formula will give you the color you need including the performance and aesthetic properties – and it does it all automatically!

Optimize plant utilization without compromising color.

The reliable digital workflow gives you the flexibility make masterbatch at any facility, anywhere and still maintain accurate color. **Color iMatch Online Edition** lets you centralize control of your color data, yet share access via your WAN or LAN. Imagine the time you'll save. No more cumbersome database administration issues – just one database with real time access by anyone you allow.

Guarantee reliable color input – any instrument... anywhere!


Now, anyone in your workflow can input color data reliably. **NetProfiler** synchronizes the performance of every spectrophotometer in your workflow – even **brands** other than GretagMacbeth. NetProfiler technology is now built into the **Color i7** spectrophotometer. So you're protected from introducing bad color data into the workflow.

Streamline your process by connecting color reliably upstream
The *NEW* Digital Workflow Toolbox for Plastics

Color iMatch - formulates your color

Color iQC - controls your color

Color i7 - measures your color

NetProfiler - communicates your color

CxF - shares your color

and downstream

Flexible solutions that connect to your existing color related systems and those of your color partners. This means you won't have to re-measure every color or purchase redundant systems. Increase efficiency through accurate global collaboration and connectivity between platforms, devices, processes, and locations.

Comply with Six Sigma or other quality system requirements.

With **NetProfiler**, it's easy to meet your quality system requirements. If environmental conditions such as dust or humidity cause your instrument accuracy to drift or the instrument's calibration certification has expired, the instrument will prevent you from taking a measurement until the condition is corrected. And every measurement includes a digital signature that verifies instrument status.

Minimize service and maintenance downtime and cost.

NetProfiler, gives you the scale and scope to maintain a reliable digital workflow 24/7. Now you don't have to wait for a service call to get certified instrument accuracy. You can calibrate and certify every instrument in your network in just minutes – all from a single remote location. And most adjustments can be done by you so you'll eliminate unnecessary service costs and downtime.

I'm a processor... how will the reliable digital workflow help me?

How many times have you gone back to your masterbatch supplier because the color wasn't right. Sometimes it's the masterbatch and sometimes it's the process. The reliable digital workflow saves hours – even days in troubleshooting. You can collaborate with your paint supplier using accurate color data. Then, you can determine whether it's the paint or the process.



Plus, the reliable digital workflow helps you track and pinpoint process variables that could affect your color. Mold release, temperature, cooling, drying time, and more – all can be monitored statistically in **Color IQC** software. So you have better control to deliver more approved products.

But it goes beyond getting approved color.

The reliable digital workflow helps you speed and automate how you get there. Process variables can differ on each customer's job.

Color IQC lets you automate setup to track each job faster and easier. It also ensures that everything you produce has a much greater rate of approval by automatically applying each customer's acceptance tolerance for every color.

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FAQ's about RDW

Can your program help me comply with ISO certification?

Absolutely. The certificate that is produced by our NetProfiler system can be used to satisfy ISO requirements for instrument calibration and maintenance logging.

If I receive digital data from a number of suppliers, how can I be sure that the data is correct?

The digital signature that is part of our RDW contains information about the instrument and its status during measurement. This includes information "was it profiled?" and "was the profile current?" among other items.

If I have to switch out an instrument or add another one, how can I be sure the data will be the same?

With profiling, all your instruments are being certified to the same target specifications assuring reliable data. Our approach to certify and optimize instrument performance on demand is more reliable than a "once a year certification", as instruments tend to drift over time.

I work in a design firm and we have a problem with color appearing differently on each CAD system. Can your system help here?

Yes, it can. We have the systems and equipment that can accurately and quickly profile each display device. In addition to that, we can supply training on operation and procedures that include environmental issues such as correct lighting that are also very important to a correct color experience.

If I have several different spectrophotometers, can I still get good results with profiling?

Fortunately, we have developed our systems to work with the majority of the commercially available spectrophotometers. With profiling, all your instruments are being certified to the same target specifications assuring reliable data.

Do I need to replace my existing system to implement your solution?

Not necessarily. If the spectrophotometer you have is in good working order and of the correct type for your application, then updating the software may be all that is required. Some features of our new Color i7 spectrophotometer may warrant an upgrade depending on your requirements.

Will I have to re-create my existing databases?

We can convert many types of databases for use in our systems. It has been our experience however, that some databases are very old and need to be updated as a matter of good practice.