

Largo
innova



Synergy M3
match prediction

when colour counts



Largo Synergy M3 colour match prediction

In our new generation we have taken the best parts from our well known 2000-line of software, added the last 10 years of experience in pigment and paint applications, combined it with wishes from customers and computer developments to offer even more flexibility and efficient solutions for improved profitability.

Proper storage, handling control in supply chain and production process is necessary for good yield and reliability. Communication, documentation and teamwork within or between sites reduce the risk and increase the benefits.

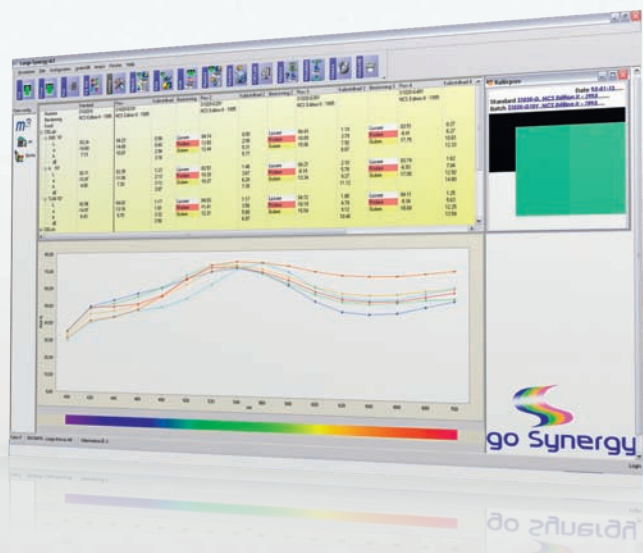
The Synergy M3 software provides almost limitless possibilities for colour match and formula prediction, formula control and management more easily and more cost-effectively than ever before.

Flexible colour control

In the basic QC part you may configure the display to show data and information you need and save it as a template e.g. check colour difference, opacity,

tinging strength. Colour on screen simulates the visual effect various illumination conditions may have on standard and batch. When you are several users the same template can be used giving a familiar view for operator.

Efficiency and accuracy are important factors for quality inspection. The analyzing tool with auto tolerance functionality gives quick access to Pass/Fail when managing larger data quantities. The new file format MS Access/SQL Server adds even more flexibility like e.g. the possibility to save



pictures with standard or formulas, ability to customize your print-outs adding logo or slogan.

The Administrator and User levels simplify control of access, customization of working routines, protect sensitive files and enable you to add further features with future growth.

Colour formulation

The colour calibration data for colorants and bases, used in your product, is the base for all match prediction.

In Synergy M3 we have increased the functionality for how to prepare the colour calibration database with e.g. multilevel, grouping and lock in/out of colorants, amount of can sizes etc, to provide cost efficiency in production and recipe management from lab to Point-Of-Sale. All database parameters are available from one main screen.

A new and totally unique feature in SM3 is the Logical match function. With this new mathematical approach the number of recipes with complement pigments can be dramatically reduced which leads to recipes that are not only accurate but also a lot safer to use - in point-of-sale dispensers as well as in large batch production.

For users designing their own colour cards we have added a new function that we call Constancy match. This function formulates recipes with a minimum of dichromatism to ensure that new colour standards look as similar as possible in any light.



The formulation you can base on parameters like VOC level, not wanted or preferred combinations of colorants, texture factor, gloss compensation etc. By a "mouse click" you change the formula between volume and weight. A new feature is the possibility to match "virtual standard" by entering the XYZ, Lab, RGB or NCS values.

Testing and simulation are powerful tools in all development - from research through final production - to verify and enhance the product. With the feature File Matching you easily predict recipes from colour cards/standards, like NCS, RAL and Munsell, optimized on e.g. cost, metamerism or Contrast Ratio automatically saving the recipes for further analyze or immediate use.



Powerful add on features

The new "Advanced File Match" function has a highly improved configuration tool to manage set preparation and optimizing the match prediction even more to serve your specific needs.

In the additional new module, Largo Synergy M3 TintTool, you will have a totally unique survey of your recipes and colours, especially when working with large sets. You can even more analyze and evaluate current recipes, improve accuracy, cost efficiency and calculation methods, identify problem colours and easily maintain data distributed to point-of-sale. The unique Tint system alignment check can give a graphical view of what performance you can expect from an existing tint system or be used when designing new systems.

The components in Largo Synergy M3 are equally useful to R&D colour lab, QC and production, reducing the cycle time for continuous improvement. When connecting in network, sharing formulations and databases, the language library tool, where you can do your own translations or adjust terminology, will give your operators in different countries an easy understanding. The default languages are English, German and Swedish.

The Largo Synergy M3 brings all parts together, simplifies the workflow and gives you a short time for return on investment (ROI). Our support team is happy to provide you with all help to match your individual needs and find the best balance in the world of colours.

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