



## Precision Color Mixing System

The Precision Color Mixing System (PCMS) is a comprehensive in-house ink mixing system designed to enable the user to easily and economically achieve accurate Pantone® color matches.

### **1. Accurate In-House Color Mixing**

The PCMS provides the tools, training and support necessary to mix ink accurately on site.

### **2. High Quality Mixing Inks**

Precision Mixing Inks are made with a state-of-the-art vehicle system to provide enhanced press stability, increased gloss and faster setting speeds.

### **3. Reduced Small Batch Ink Costs**

In-house blending of small batches enables the user to realize significant savings over ordering premixed blends from ink suppliers.

### **4. Expanded In-House Mixing Capability**

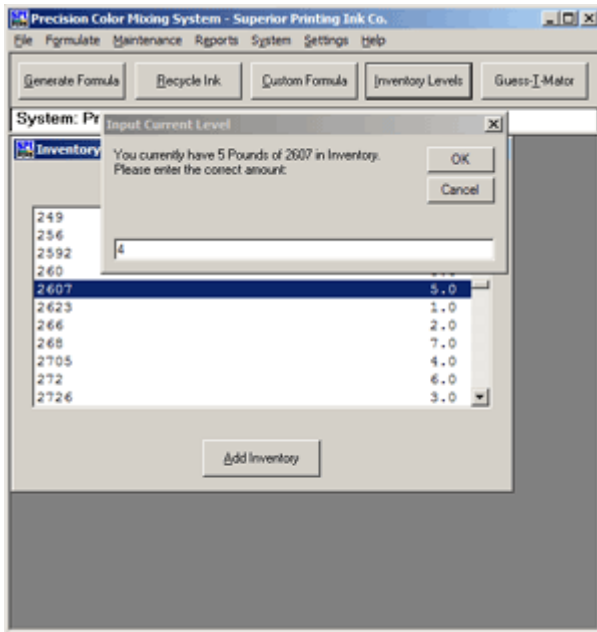
Superior can provide the user with the formulas for special match (non-Pantone®) colors, so that these can also be mixed in-house.

### **5. Increased Press Scheduling Flexibility**

With reliable in-house ink mixing capability, ink availability has a reduced impact on press scheduling.

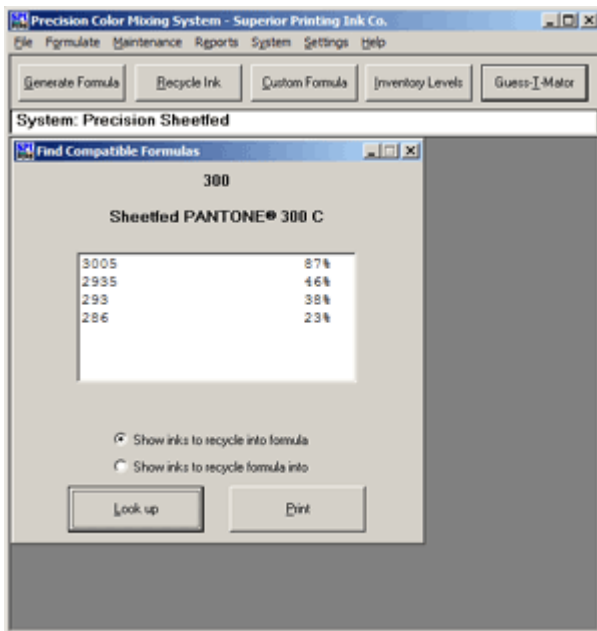
### **6. Utilization of Excess Mixed Ink Inventory / Ink Recycling**

The Precision Color Mixing System for Windows® enables the user to generate formulas that recycle excess mixed inks currently in inventory into job mixes, further reducing costs.



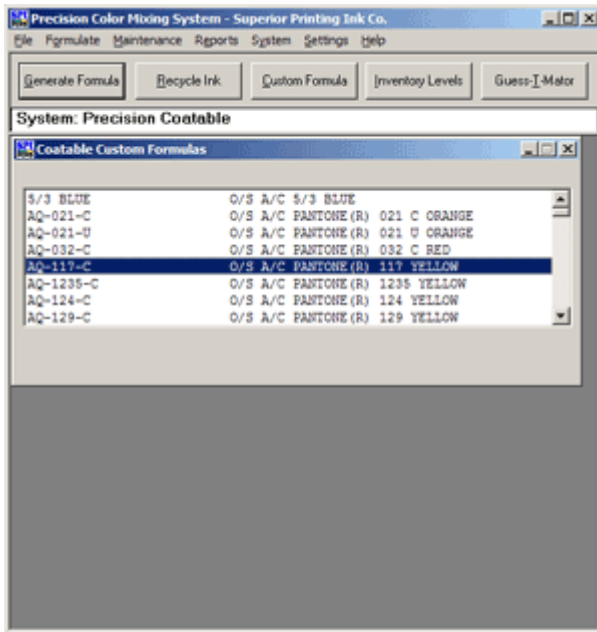
## 7. Accurate Cost Data for Each Mix

The Precision Color Mixing System for Windows® provides a detailed cost analysis with each formula generated.



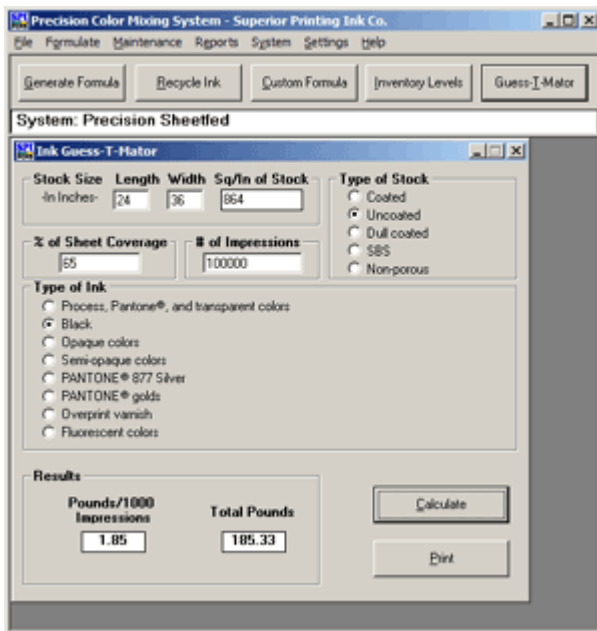
## 8. Easy Inventory Control on Recyclable Mixes

The Precision Color Mixing System for Windows® maintains an inventory record of all recyclable mixed inks and automatically updates the files every time an ink is recycled away.



## 9. Ink Estimator for Job Planning

With reliable in-house ink mixing capability, there is a reduced need to over-estimate and over-order job mixes in order to avoid the problems and costs associated with running short of ink while on press. The Precision Color Mixing System for Windows® includes an ink estimator to help the user more accurately estimate the amount of ink to order for a job.



## 10. Retrieval of Full Value from Excess Ink Inventory

With the Precision Color Mixing System for Windows®, the user can recoup the full value of the mixed ink inventory. Previous methods, like working off an expensive mixed color into a low quality black, recouped only a small portion of the value.

Superior Printing Ink Co., Inc. developed the Precision Color Mixing System for Windows® to assist our customers in controlling ink inventories, managing formulas and providing accurate formulations using Precision Mixing Inks.

Precision formulas are formulated to work with Precision Mixing Inks. Superior makes no warranties regarding the accuracy of these formulas in databases set up to work with mixing inks other than Precision Inks.

The formulas provided herein are supplied as a guide for blending the colors. However, many variables may affect the final appearance of the printed color. These may include but are not limited to the following:

- Variations in paper characteristics such as color, quality, texture, gloss and absorption levels
- Viewing conditions
- Applied ink film thickness (density)
- Using out of date color references
- Ink/Water balance
- Press and pressroom conditions
- Form layout

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