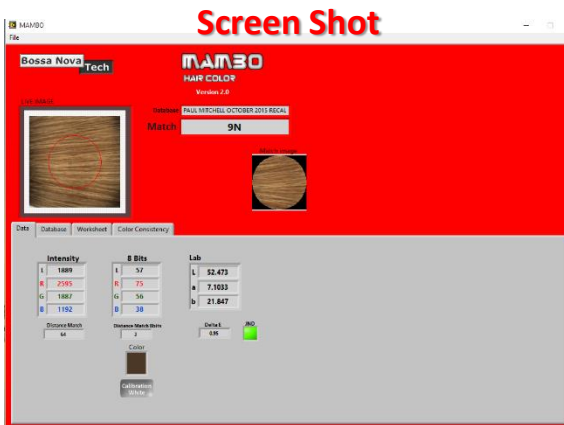


Helping professional hair colorist and formulator, **MAMBO** identifies the color of hair, *in vivo* on the model head or *in-vitro* on hair swatch.



MAMBO is a handheld sensor. Connected to a computer, its dedicated software allows immediate hair color identification and measurement. Just place **MAMBO** on the swatch to be measured to automatically identify its color and delivers Lab values.



MAMBO delivers the closest color match in the database. No adjustment are necessary for the operator as **MAMBO** will automatically configure itself for optimum measurement.

MAMBO is auto-calibrated and does not need any additional calibration.

MAMBO delivers various information about the hair color.

The screenshot shows the MAMBO software interface with the following components and labels:

- Database:** PAUL MITCHELL OCTOBER 2015 RECAL
- Match:** 9N
- Match image:** A circular inset showing the matched hair color.
- Color Consistency Data:**
 - Intensity (RGB):** L: 1889, R: 2595, G: 1887, B: 1192. Distance Match: 64.
 - 8 Bits (RGB):** L: 57, R: 75, G: 56, B: 38. Distance Match 8bits: 3.
 - Lab (Lab value):** L: 52.473, a: 7.1033, b: 21.847.
 - Delta E:** 0.95. A green square icon labeled **JND** (Just Noticeable Difference) is shown next to it.
 - Color:** A color swatch labeled **Calibration White**.

MAMBO is delivered with one DATABASE (Paul Mitchell Swatch book). The user can create his own database. Multiple database can be used for color identification.



MAMBO Technical specifications

% color identification accuracy (Measured on Paul Mitchell Swatch Book)	96
Sensor	GigE Color 12 Bits Camera
Power Supply (included)	15 Vdc
ROI	0.25" diameter (6.35 mm diameter)
Software	MAMBO 2.0
Computer	Laptop (Windows 8.1)
Database	Paul Mitchell Swatch Book (Artificial hair) 113 elements
Calibration	Factory calibrated
Output	Lab values Color match /database

Applications of **MAMBO** range from in-vivo color identification in professional salon to formulation and color quality testing on hair swatches during R&D and manufacturing.

For more information, please contact us.

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