



QCOLOR

Appearance inspection by colorimetry

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- + Color inspection in less than 5 seconds
- + Repeatable, mastered inspection
- + Easy configuration
- + Takes into account surface finish



▶ INSPECTION EQUIPMENT

▶ Special machinery

▶ Mechanical aging process

▶ Watchmakers tools



Two inspection modes

Delta E measurement

1. Inspection characterized by a **reference sample** and measurement of the **Delta E** :

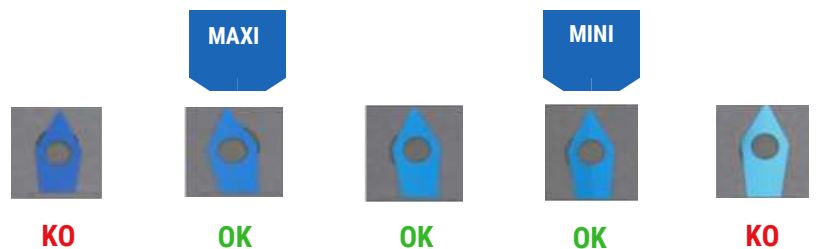
Disparity between the measured color and the reference.

User defines an **acceptance limit value**, such as $\Delta E < 2.5$.



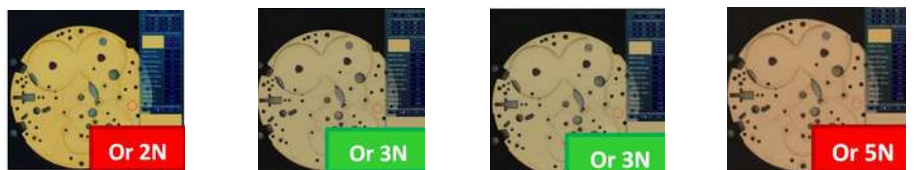
Tolerance interval defined by two reference samples

2. Inspection characterized by a **tolerance interval** defined between two MIN and MAX color samples.



Specifications

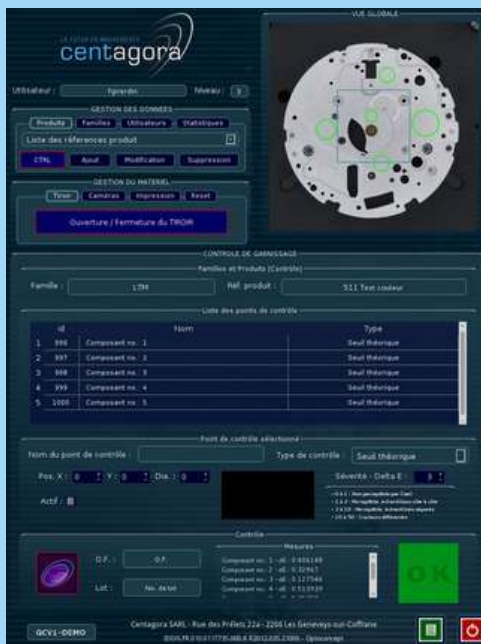
- + Color conformity based on **CIELAB, RGB, HSV values**
- + **Measured inspection**, it is no longer biased
- + Able to inspect different color areas in a single shot
- + **Simple and friendly configuration** thanks to the QColor software
- + The QColor software can be connected to a **production or quality monitoring software**
- + Networking allowing acces to the **statistic management interface**



Color inspection in less than 5 seconds

+ On all sorts of **materials** (metal, polymer, leather...)

+ On all sorts of **surfaces** (polished, dull, satiny...)



Surface finish is taken into account during the inspection

For a same color treatment, a decorated surface does not have the same render than a rough surface

