RAYPLICKER
HANDY

ENTER THE
DIGITAL
ERA

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B BOREA
THE SHADE COMPANY

Touch screen

Patented technology

Multi shade-guide

Spectrophotometer
L*a*b* / L*C*h analyses
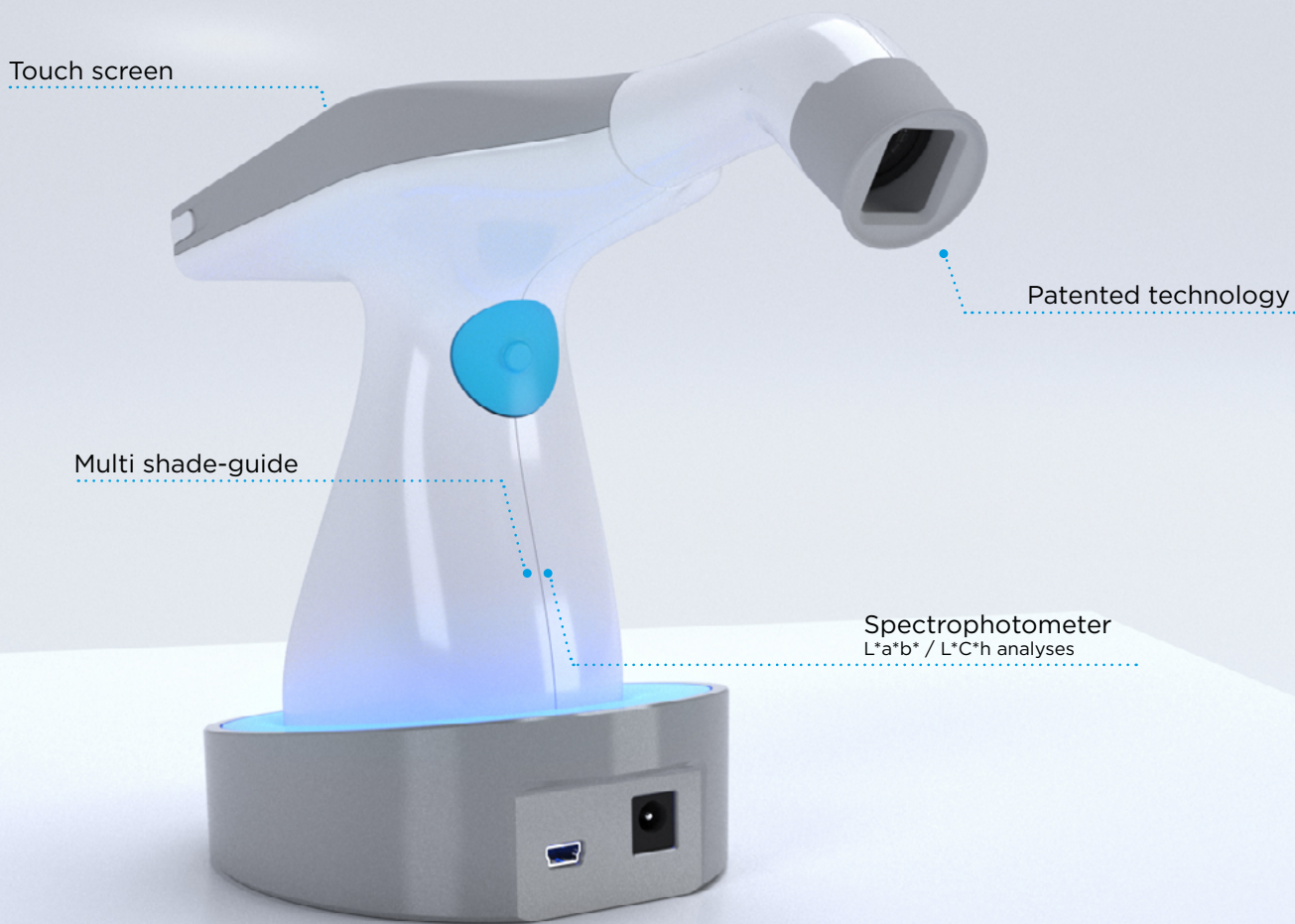
DISCOVER
RAYPLICKER HANDY

Rayplicker Handy is a connected color measuring device (L*a*b* / L*C*h), it allows to perform a simple, reliable and completely reproducible quality dental shade-taking, determining the brightness, saturation, chromaticity and translucency of a tooth. This device is designed for dentists and dental laboratories.

Accompanied by its software **Rayplicker Vision**, this solution revolutionizes the protocol of acquisition and transmission of the aesthetic parameters of a tooth. It offers a transparent and permanent interaction between dentist and prosthetist via the **Borea Connect**, a data exchange platform for real-time order follow-up.

Enter the digital era with Rayplicker Handy!

RAYPLICKER
HANDY

Why choose the Rayplicker Handy ?

Ergonomy
Touch screen, miniaturized measuring head and self calibration.

Hygiene
Protective sheats, sterilizable calibration tips.

Time saving
A complete color analysis in a few seconds. High return On Investments.

Digital files
To ensure better traceability and sharing without loss of information.

Accuracy and Reliability
Ultra accurate pixel analysis offering objectivity and repeatability.

Reliability, speed and accuracy in one acquisition

Reliability : Record all aesthetic parameters of the tooth and communicate them without degradation and subjective interpretations to the laboratories.
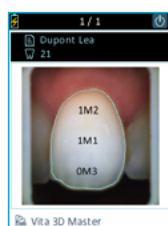
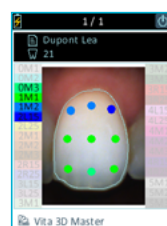**Efficiency :** Improve traceability and standardize the dental prosthesis elaboration process.
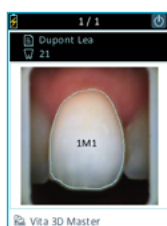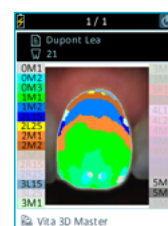
| Polarized picture | Overall shade | Three-part mapping | Nine-part mapping | Detailed mapping | Translucency |

A SOFTWARE TO PERFORM COLORIMETRIC ANALYSIS AND OPTIMIZE PATIENT DATA MANAGEMENT

The **Rayplicker Vision** software allows the recovery, analysis and archiving of acquisitions obtained with a Rayplicker Handy shade-taking device.

This software is installed in the dental office and/or laboratory to digitally analyze the acquisitions made with the spectrophotometer. It simplifies management of the data by patient or by practitioner and deepens the study and the analysis of the most relevant data for the realization of dental prosthesis (brightness, chromaticity, shade, translucency).

This complementary tool of the spectrophotometer allows to centralize the aesthetic data of the patients (shade analysis, photos, comparison, bleaching reports,...).

The advantages of Rayplicker Vision:

- **Open software** available to all (dental office and laboratory),
- **No additional costs** for operating or upgrade,
- The possibility of **multi-station access** (server for network installation),
- Classification by patient for **simplified data management**,
- **Easily generate** complete shade, comparison or bleaching reports in pdf format.

Free download, Mac and PC compatible

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Rayplicker Vision features

## Shade analysis under different stratifications:
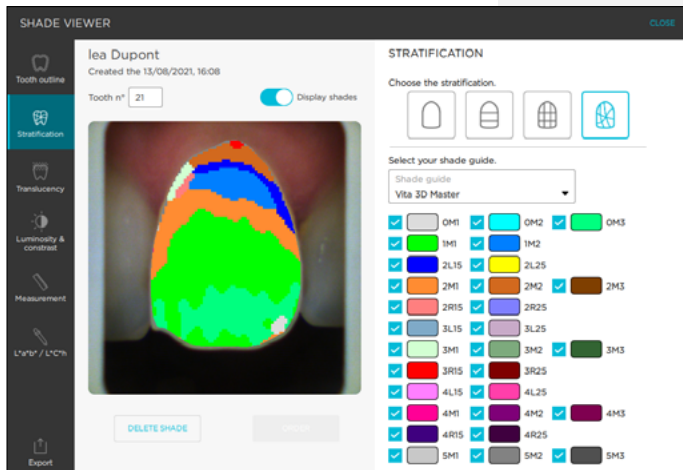
- Global analysis, three-part, nine-part, detailed mapping.

- Instant conversion to different reference shade-guides.

- Pre-select your shades according to your available composites for direct restorations.

- Translucency analysis.

## Colorimetric analysis according to the Cie L*a*b* or L*C*h standard:
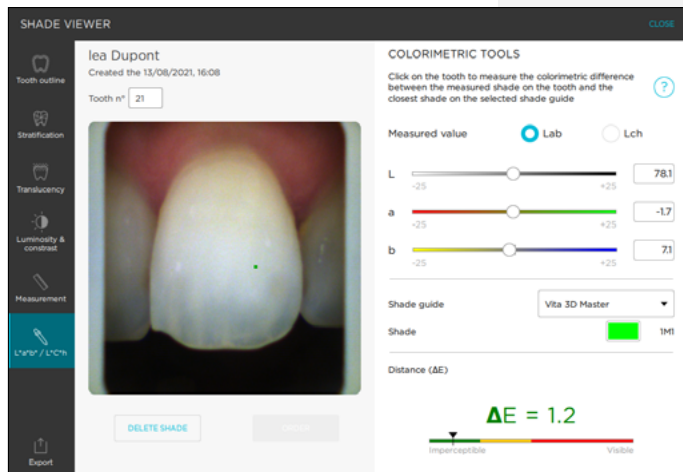
- Determine pixel by pixel the colorimetric coordinates.

- Easily calculate to the nearest pixel the color difference «Delta E or ΔE» between the real tooth shade and the closest shade according to the reference shade-guide.

- Quickly visualize the difference according to the three dimensions of the color: luminosity, saturation and hue.

Black and White analysis:
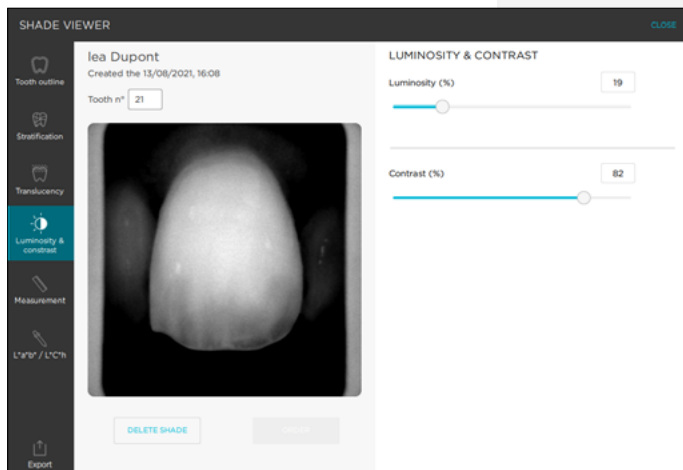
- Convert the color polarized picture to grayscale.

- Modify brightness and contrast parameters.

- Highlight the distribution of dentin, enamel, characterize the surface condition, underline remarkable features of the analyzed tooth.
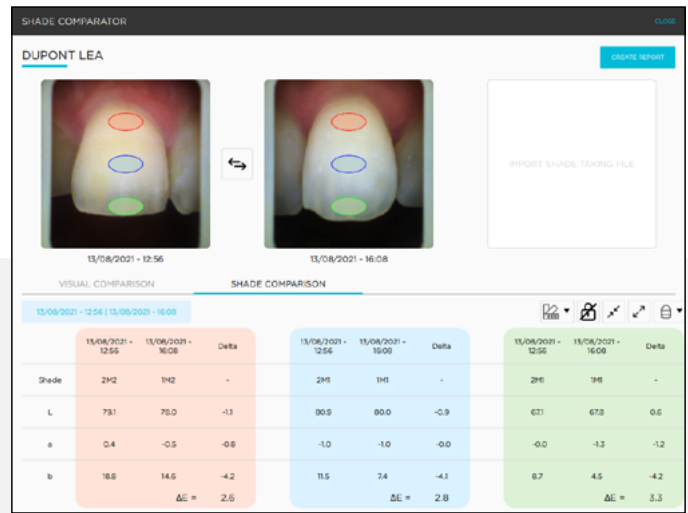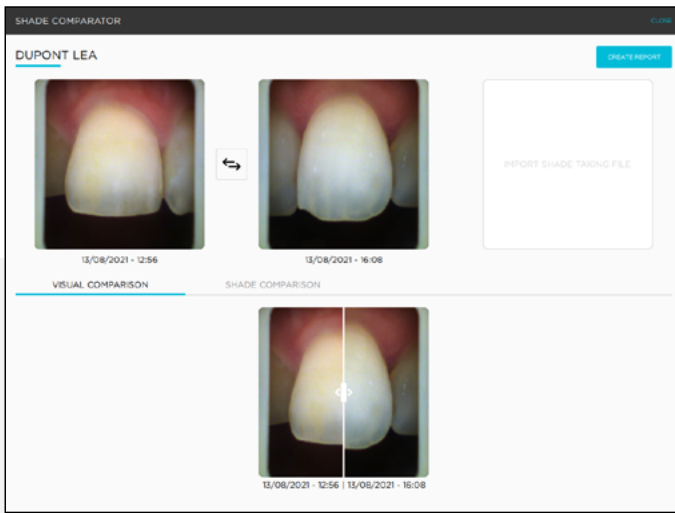
Comparison tool:

- **Easily compare** up to 3 shade analyses. Comparison of color photos and also shades based on shade-guide references and L*a*b* colorimetric coordinate values.
- **Choice of the comparison area.** Global analysis or analysis of the cervical third, middle third and incisal third.

Bleaching treatment evaluation tool:

- Quantify and track the progress of bleaching treatments.
- Compare acquisitions before, during and after treatment, and simply generate a detailed report of the obtained results.
- Results are shown using the VITA Bleachedguide 3D-MASTER® (VITA Zahnfabrik) and also with L*a*b* color coordinates.

Add patient pictures:

For a complete file, add patient pictures through the «Rayplicker pics app solution» mobile app or from any image source.

BOREA CONNECT
THE COMMUNITY PLATFORM

Borea Connect is an online platform accessible from a web browser that provides easy access to shade information for practitioners and laboratory technicians while optimizing order management.

- Send and receive your prosthesis orders instantly from Borea Connect.
- Track and report your activity anywhere, anytime.
- Take advantage of a community to promote your know-how or find partners.

Compatibility

Accessible from a simple URL, this platform facilitates the management of your orders by its accessibility from any computer equipped with an Internet connection.

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Technical specifications:

Cartography: 2D mapping
CMOS sensor: 400 x 400 px
Spectrophotometer : measuring range 400-700 nm
Measuring head dimensions in mm : L. 76 (Ø : 25)
Screen : touch screen
Resolution : 320 x 240 NTSC
Battery : Li-Po 3,7 2200 mAh

Memory capacity : 40 files
Weight of the handpiece : 390 g
Device dimensions in mm : L. 210 x L. 75 x H. 155
Weight of the base: 340 g.
Base dimensions in mm : L. 133 x L. 101 x H. 43
Output : USB 2.0.
Main plug : 5V 1Ah

Compatibility :

Windows

Package contents :

Rayplicker shade-taking device
Docking station
Calibration tips x6
Protective sheaths x50
Cables and connectors - Adapters
Quick Start Guide

Rayplicker Pics App Solution :

Free downloadable mobile application

Available on the App Store   ANDROID APP ON Google Play

Rayplicker is a Class I medical device.

It bears the CE marking in accordance with the European Medical Device Regulation (EU) 2017/745. Date of first CE marking: 2017. Made in France by BOREA. For professional use only. Not reimbursed by health insurance agencies. Read carefully the instructions before use.

MADE IN FRANCE

BOREA
THE SHADE COMPANY