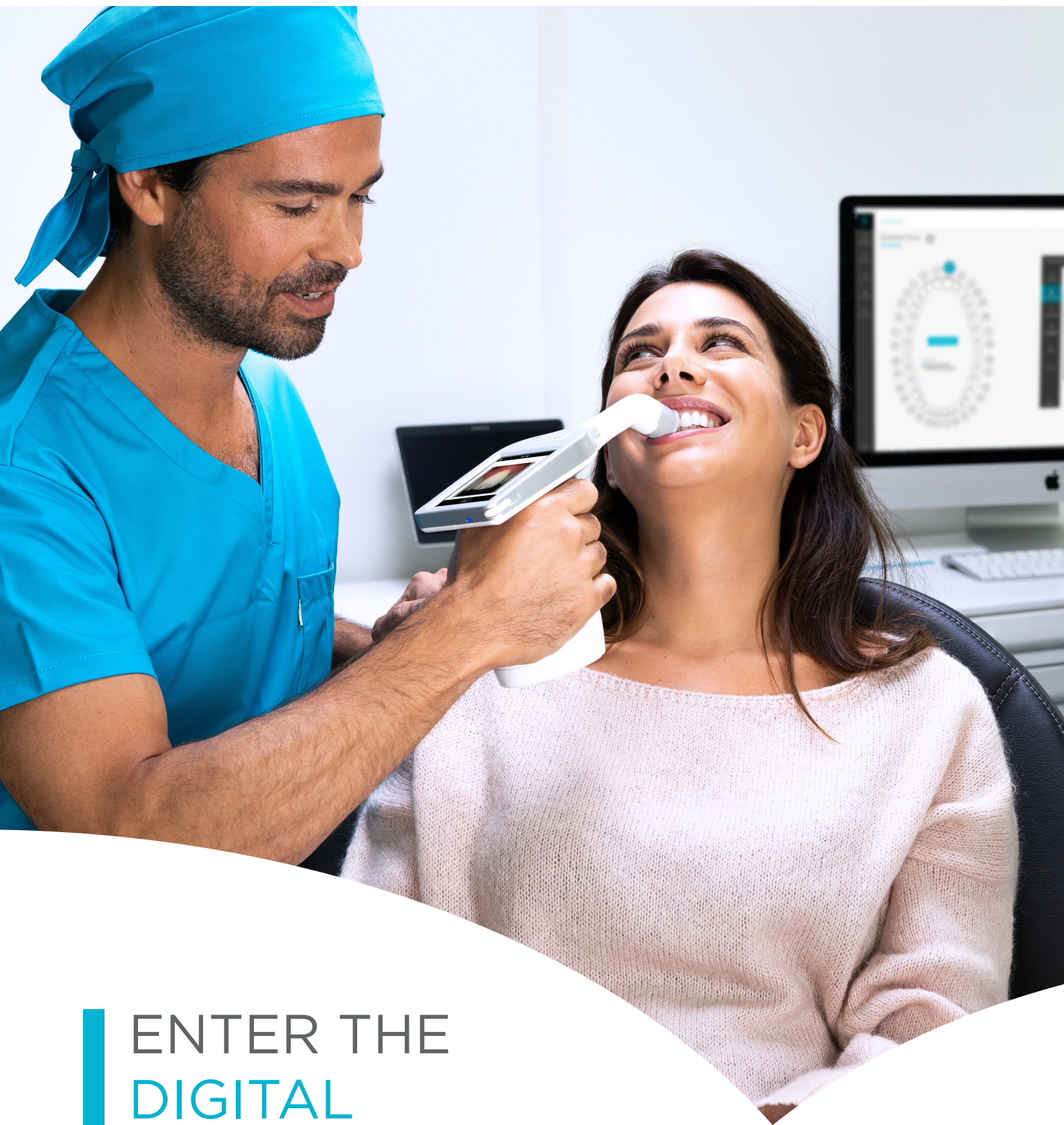
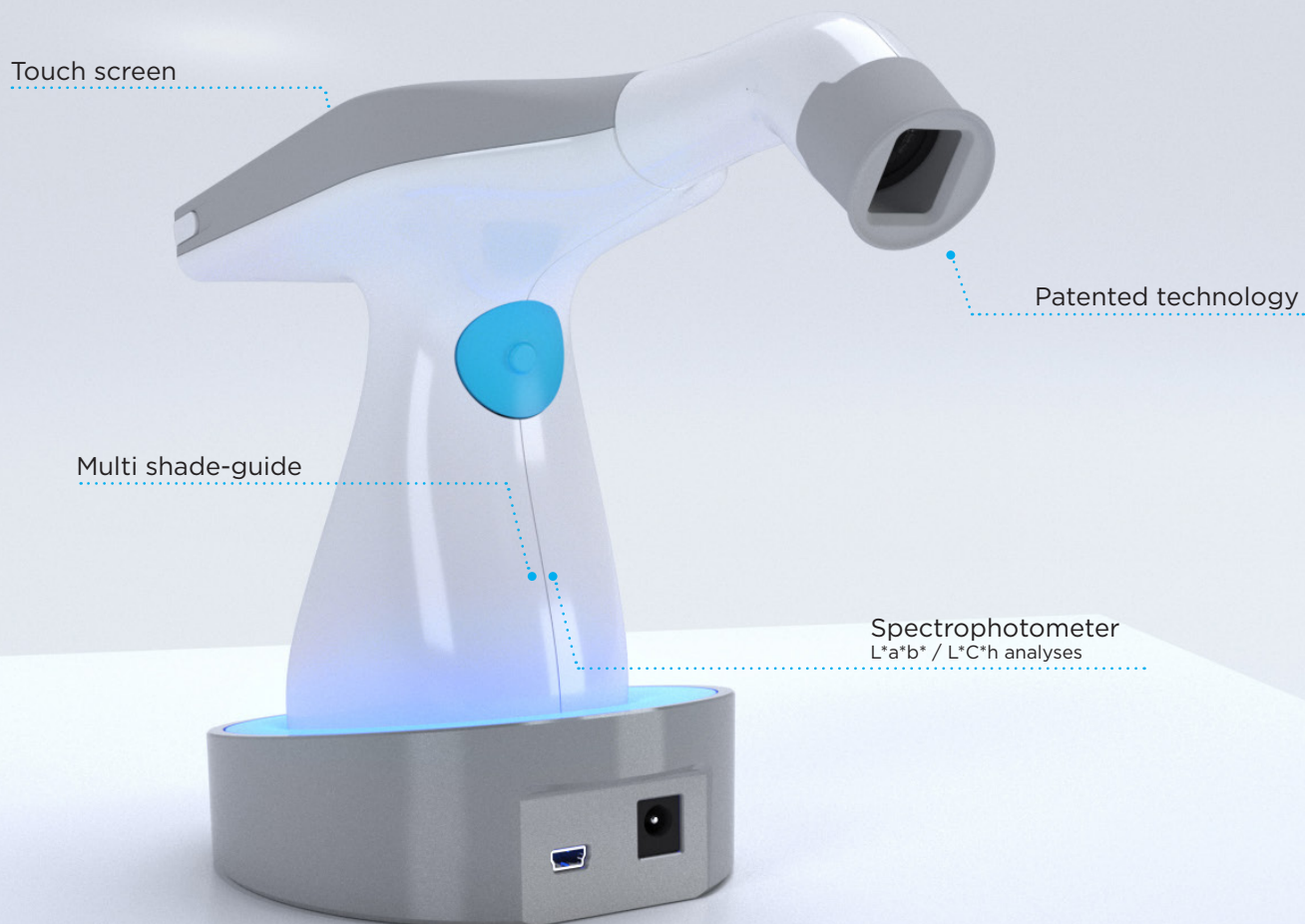


RAYPLICKER
HANDY



ENTER THE
DIGITAL
ERA



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 ?



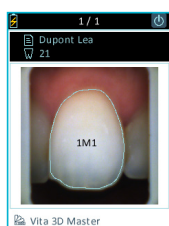
Reliability, speed and accuracy in one acquisition

Reliability : Record all aesthetic parameters of the tooth and communicate them without degradation and subjective interpretations to the laboratories.

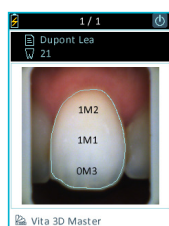
Efficiency : Improve traceability and standardize the dental prosthesis elaboration process.



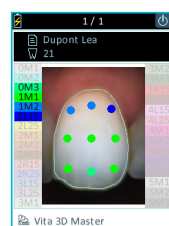
Polarized picture



Overall shade



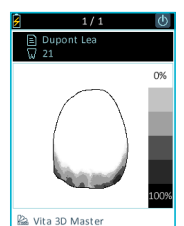
Three-part mapping



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,...).

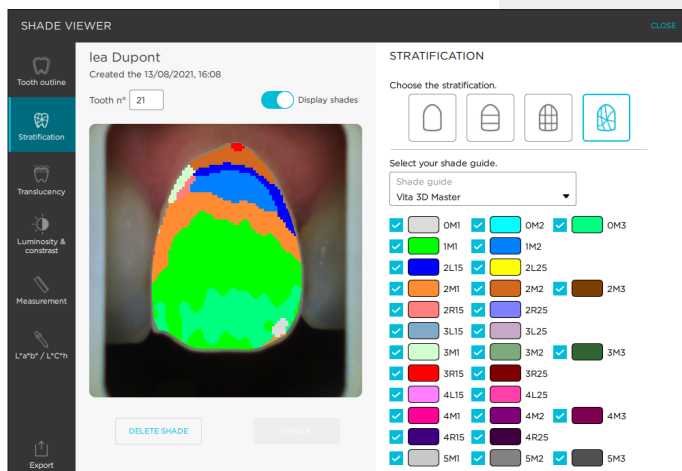
The advantages of Rayplicker Vision:

- **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

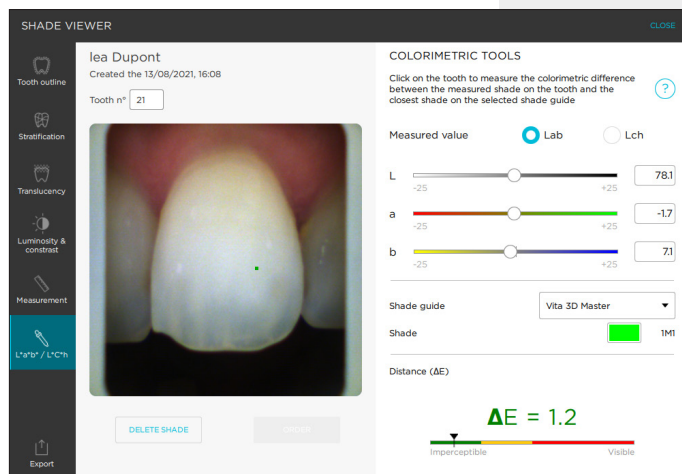
Raypicker Vision features

Shade analysis under different stratifications:



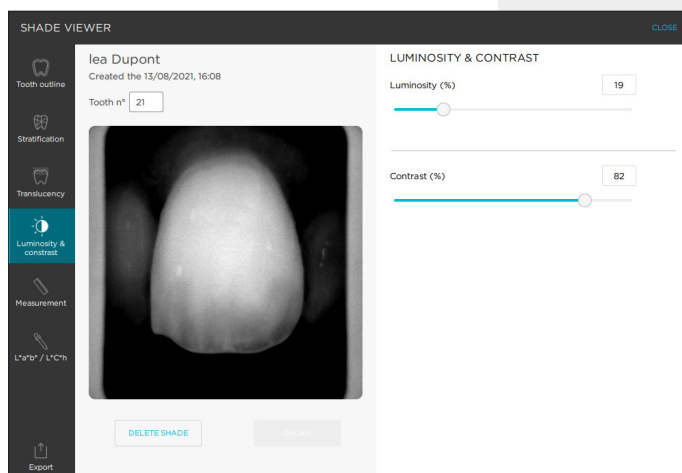
- Global analysis, three-part, nine-part, detailed mapping.
- Instant conversion to different reference shade-guides.
- Pre-select your shades according to your available composites for direct restorations.
- Translucency analysis.

Colorimetric analysis according to the Cie L*a*b* or L*C*h standard:

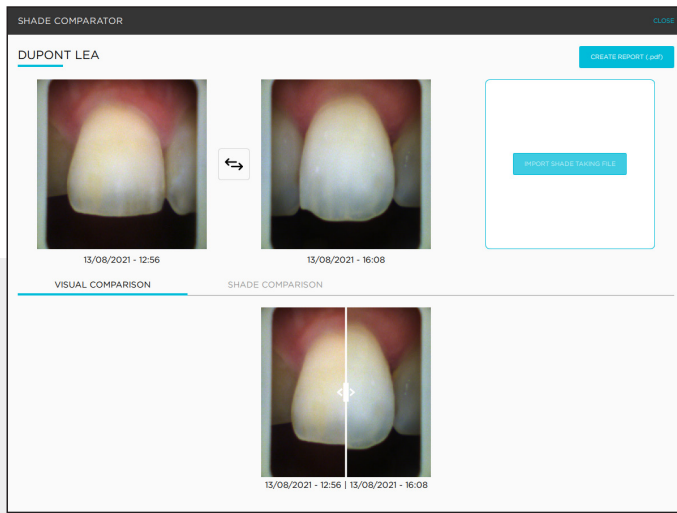


- Determine pixel by pixel the colorimetric coordinates.
- Easily calculate to the nearest pixel the color difference «Delta E or ΔE » between the real tooth shade and the closest shade according to the reference shade-guide.
- Quickly visualize the difference according to the three dimensions of the 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.



	13/08/2021 - 12:56	13/08/2021 - 16:08	Delta	13/08/2021 - 12:56	13/08/2021 - 16:08	Delta	13/08/2021 - 12:56	13/08/2021 - 16:08	Delta
Shade	2M2	1M2	-	2M1	1M1	-	2M1	0M3	-
L	79.2	78.0	-1.3	80.7	80.0	-0.7	67.6	67.6	-0.0
a	0.5	-0.4	-0.8	-0.8	-1.1	-0.2	-0.1	-1.2	-1.1
b	18.8	14.8	-3.9	11.5	7.3	-4.3	8.7	4.5	-4.2
			$\Delta E = 2.6$			$\Delta E = 2.9$			$\Delta E = 3.2$

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 share 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 web platform, it facilitates the management of your orders by its accessibility from any computer equipped with an Internet connection.

RAYPLICKER HANDY



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 :



Raypicker Pics App Solution :

Free downloadable mobile application



Package contents :

Raypicker Handy shade-taking device

Docking station

Calibration tips x6

Cables and connectors - Adapters

Disinfection and sterilization procedures

Quick Start Guide

Raypicker 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.