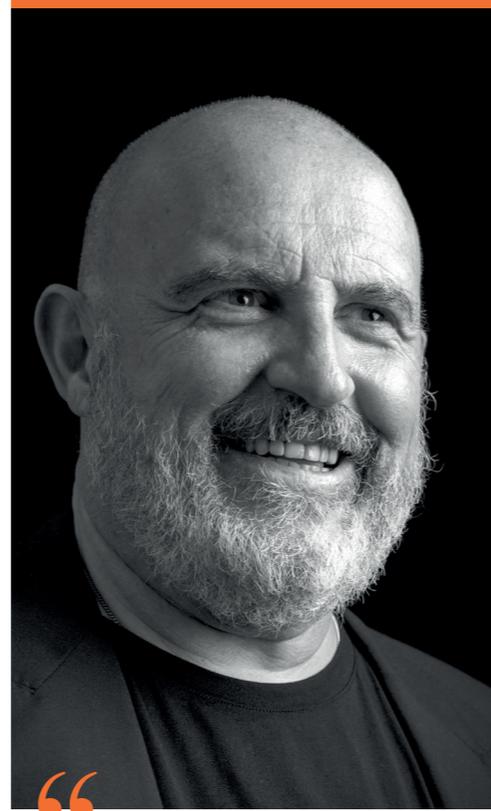IRIS BY STARCK®

Innovation. Design. Technology.

# Design
# & technology



CEO of Biotech Dental Group

## – Philippe Veran

The best way to
predict the future
is to shape it"



Creator

## – Philippe Starck
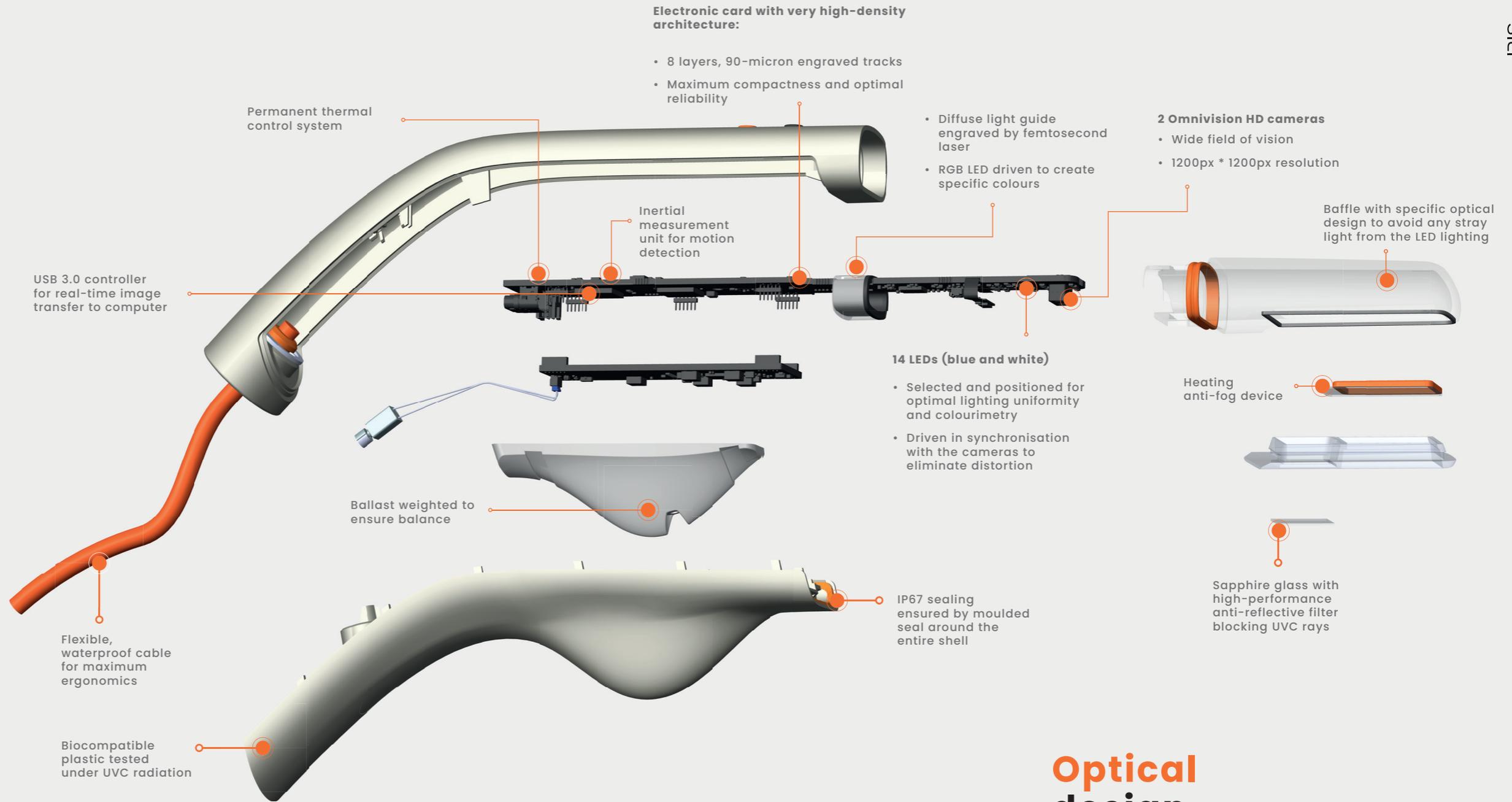
The spirit is my favourite means of
transport, because it is unlimited
and the battery is never empty"

Invented, designed,
and manufactured
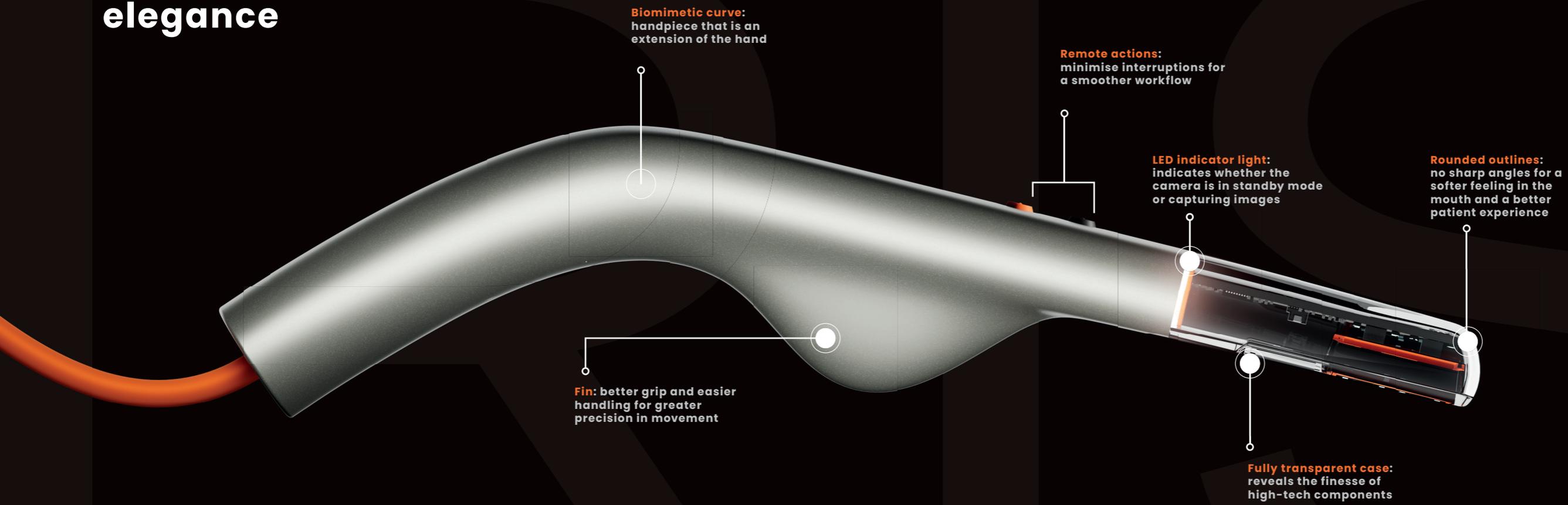in France

Philippe Starck

**French engineering at its finest**

*Philippe Starck*

**Electronic card with very high-density architecture:**

- 8 layers, 90-micron engraved tracks
- Maximum compactness and optimal reliability

Permanent thermal control system

- Diffuse light guide engraved by femtosecond laser
- RGB LED driven to create specific colours

**2 Omnivision HD cameras**

- Wide field of vision
- 1200px * 1200px resolution

Inertial measurement unit for motion detection

Baffle with specific optical design to avoid any stray light from the LED lighting

USB 3.0 controller for real-time image transfer to computer

**14 LEDs (blue and white)**

- Selected and positioned for optimal lighting uniformity and colourimetry
- Driven in synchronisation with the cameras to eliminate distortion

Heating anti-fog device

Ballast weighted to ensure balance

Sapphire glass with high-performance anti-reflective filter blocking UVC rays

Flexible, waterproof cable for maximum ergonomics

IP67 sealing ensured by moulded seal around the entire shell

Biocompatible plastic tested under UVC radiation

**Optical design**

# Design & Ergonomics
## Power meets elegance

**Biomimetic curve**: handpiece that is an extension of the hand

**Remote actions**: minimise interruptions for a smoother workflow

**LED indicator light**: indicates whether the camera is in standby mode or capturing images

**Rounded outlines**: no sharp angles for a softer feeling in the mouth and a better patient experience

**Fin**: better grip and easier handling for greater precision in movement

**Fully transparent case**: reveals the finesse of high-tech components

**Philippe Starck**

" organic design

# Controlled environmental impact

● Hosting management on internally controlled servers

● No disposable tips: sterilisation by immersion (IP67 sealing) and UVC to reduce waste during use (no additional costs)

● Considering environmental issues

● Designed without batteries: continuous power source without creating waste that is difficult to recycle

" **In perfect harmony with the body**

**Philippe Starck**

# Artificial **intelligence** & Scalable technology

Artificial intelligence

A visionary innovation

Philippe Starck

- Automatic detection of shapes and textures (especially scanbodies)

- High scanning speed

- Ultimate detail identification

- Ability to map an environment in real time (the camera knows its exact position in real time in the mouth)

- High precision of 3D models

- Scalable device: Immediate access to technological innovations and AI-enhanced features

- OLI: provides Level I technical support

# Security
# & Interoperability

- ● **Secure data sharing environment**

- ● **Customised team: adding secure accounts for colleagues and assistants**

- ● **Scalable, highly secure storage (Scan4All) in France**

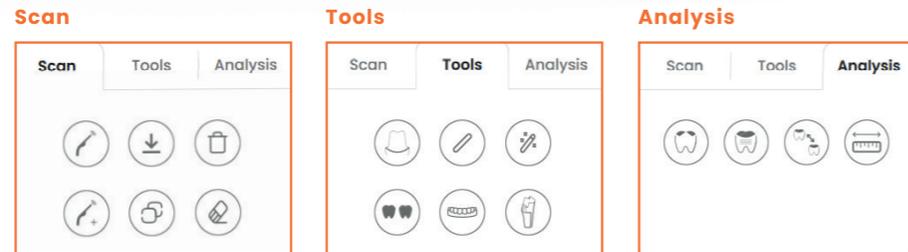- ● **ISO 13485, ISO 27001, GDPR, HDS certifications**

" Serving both patient and dentist with care
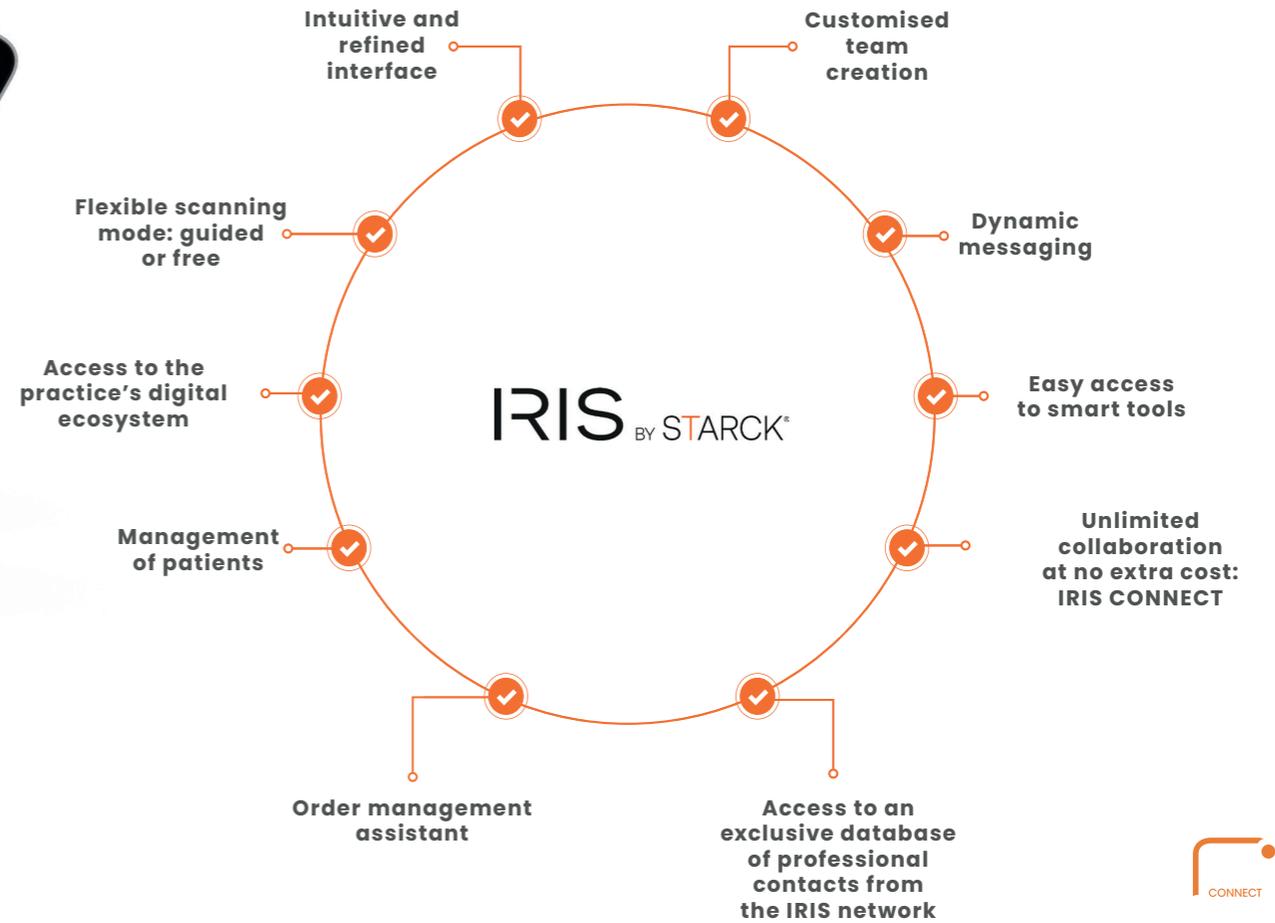
**Philippe Starck**

# Where technology, ergonomics & humanity meet

**Philippe Starck**

**Scan**

| Scan | Tools | Analysis |
|------|-------|----------|

**Tools**

| Scan | Tools | Analysis |
|------|-------|----------|

**Analysis**

| Scan | Tools | Analysis |
|------|-------|----------|

# An **ergonomic** ecosystem



**Intuitive and refined interface**

**Customised team creation**

**Flexible scanning mode: guided or free**

**Dynamic messaging**

**Access to the practice's digital ecosystem**

**IRIS** BY STARCK®

**Easy access to smart tools**

**Management of patients**

**Unlimited collaboration at no extra cost: IRIS CONNECT**

**Order management assistant**

**Access to an exclusive database of professional contacts from the IRIS network**

CONNECT

# IRIS,
# A true revelation

- ✅ **World-unique patented technologies**

- ✅ **Made in France**

- ✅ **Designed by Philippe Starck**

- ✅ **International communication platform: IRIS Connect**

## Specifications

| CATEGORY | IRIS BY STARCK |
|---|---|
| CONFIGURATION | POD (Kart version, coming soon) |
| HANDPIECE WEIGHT | 120 g |
| HANDPIECE SHAPE TRANSPARENT FRONT PART DIMENSION (L x l x H) | Organic shape designed by Starck 6 * 22 * 16 mm |
| CONNECTION PORT | USB-C |
| WIRELESS | NO |
| TIP | NO |
| DISINFECTION | SOAKING (UV-C available soon) IP67 SEALING |
| RESOLUTION | 1200 * 1200 px (HD sensors) |
| depth of field | 20 mm |
| CALIBRATION | NO |
| SCAN PRINCIPLE | PASSIVE IMAGING |
| DATA OUTPUT | STL, PLY |
| SOFTWARE | EASY & INTUITIVE |
| SECURE DATA EXCHANGE | YES (ISO 27 001, HDS) Free and open to all your contacts |
| MULTI USER | YES, with right management |
| ARTIFICIAL INTELLIGENCE | YES |
| GUARANTEE | 1 YEAR (warranty extension available) |

**NOTES**

**NOTES**

IRIS BY STARCK®