

# Retimax BASIC

Allows the objective functional evaluation of the visual system, in accordance with the ISCEV standard (International Society for Clinical Electrophysiology of Vision). It has a user-defined normative database related to patient age for fast and effective clinical diagnostics.

Retimax is very compact and extremely easy to use, designed to meet the eye care professionals needs for screening patients. The device stands out for its ability to screen glaucomatous pathology in its earliest stages.

# Retimax ADVANCED

Allows the objective functional evaluation of the visual system, in accordance with the ISCEV standard (International Society for Clinical Electrophysiology of Vision). It has a user-defined normative database related to patient age for fast and effective clinical diagnostics

Retimax Advanced is extremely easy to use, it has many programs to meet the diagnostic needs of the most demanding user. The device stands out for its ability to screen glaucomatous pathology in its earliest stages.

# Retimax ADVANCED PLUS

Allows the objective functional evaluation of the visual system, in accordance with the SCEV standard (International Society for Clinical Electrophysiology of Vision). It has a user-defined normative database related to patient age for fast and effective clinical diagnostics.

Retimax Advanced Plus is extremely easy to use, it has multiple programs to meet the diagnostic needs of the most demanding user. The high functional characteristics make it a leader in clinical diagnostics as well as in scientific research. The device stands out for its ability to screen glaucomatous pathology in its earliest stages.

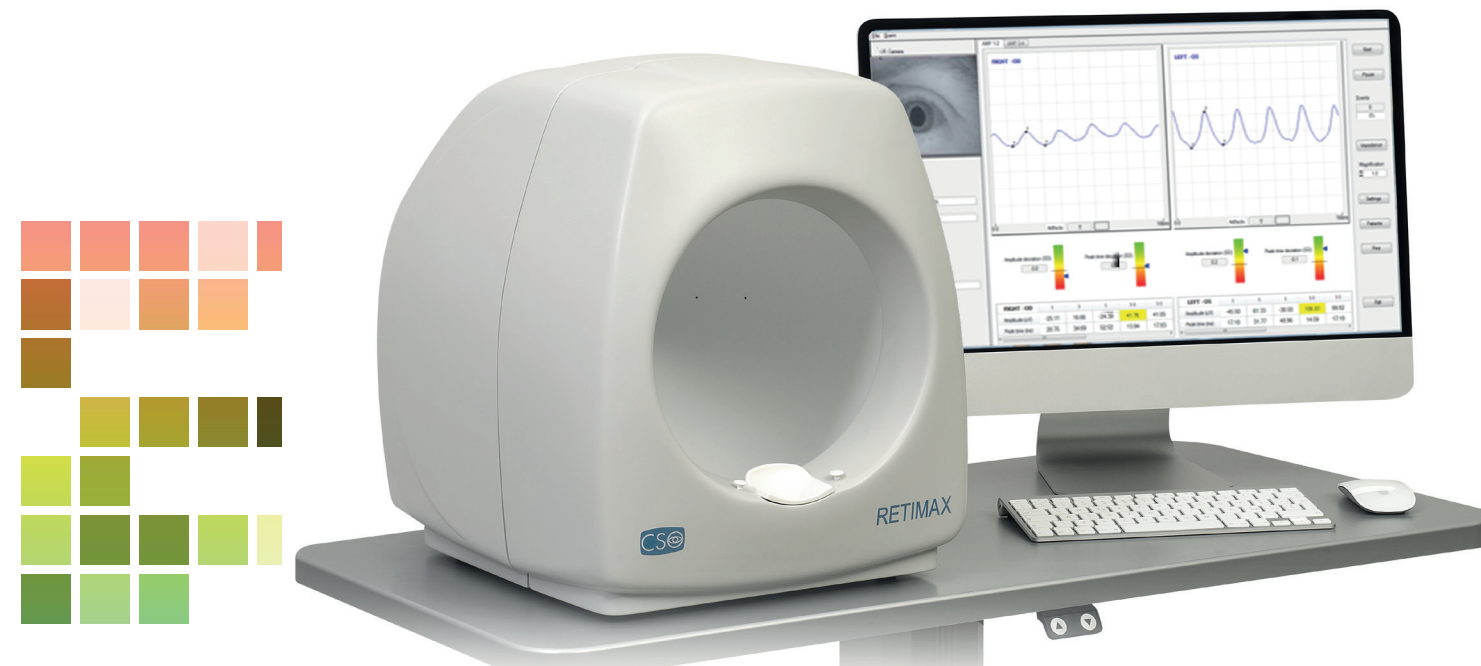
Ganzfeld Flash Stimulator with camera for monitoring the patient in dark adaptation



- PERG Standard
- PERG Glaucoma Hemifield Test
- PERGLA
- VEP Pattern
- VEP Flash
- Dark - adapted 0.01 ERG
- Dark - adapted 3.0 ERG
- Dark - adapted 10.0 ERG
- Dark - adapted 30.0 ERG
- Dark - adapted 3.0 OP ERG
- Light - adapted 3.0 ERG
- Light - adapted 3.0 flicker ERG
- EOG
- Vision Trainer Rehabilitation
- Additional programs available as an option

10" Pattern stimulator integrated into the Ganzfeld stimulator

Ganzfeld Flash Stimulator with camera for monitoring the patient in dark adaptation

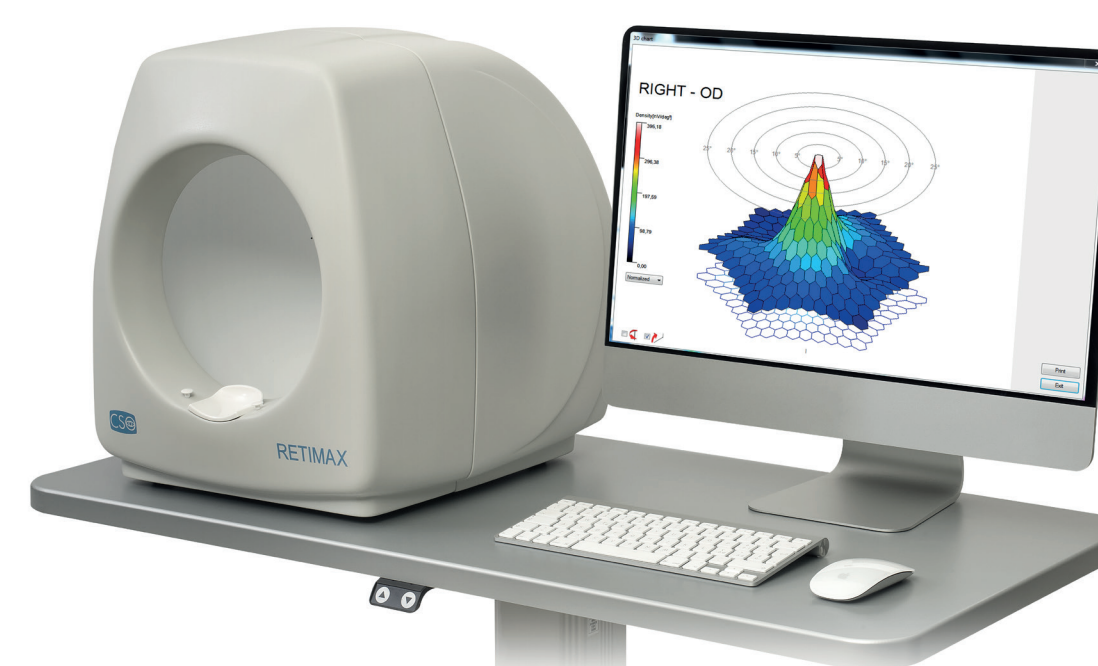


- PERG Standard ISCEV
- PERG Glaucoma Hemifield Test
- PERG ratio
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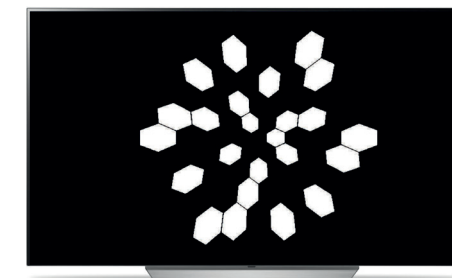
19" Pattern stimulator

Ganzfeld Flash Stimulator with camera for monitoring the patient in dark adaptation

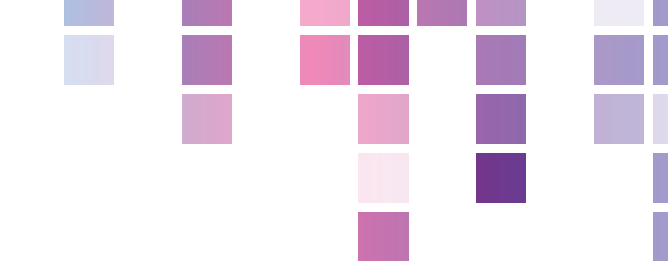


- PERG Standard ISCEV
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- Dark - adapted 0.01 ERG
- Dark - adapted 3.0 ERG
- Dark - adapted 10.0 ERG
- Dark - adapted 30.0 ERG
- Dark - adapted 3.0 OP ERG
- Light - adapted 3.0 ERG
- Light - adapted 3.0 30Hz flicker ERG
- Light - adapted 10.0 ERG
- Light - adapted 30.0 ERG
- RDT macular degeneration test
- PhNR ERG
- S-Cone ERG
- ML-cone ERG
- ON/OFF ERG
- Double flash ERG
- VEP Pattern
- VEP Flash
- Pediatric VEP
- Sweep VEP

- Visual Acuity and Contrast Sensitivity
- VEP
- VEP for uncooperative patient
- Multifocal ERG
- Multifocal PERG (optional)
- Multifocal VEP (optional)
- Real time short or long m-sequence.
- FOK and SOK from 1 to 241 hexagon.
- Automatic visual field adjustment.
- Retimax MfERG Fundus oculi Overlap (optional)
- EOG
- ENG (optional)
- Dark Adaptometer (optional)
- Vision Trainer Rehabilitation
- Additional programs available as an option

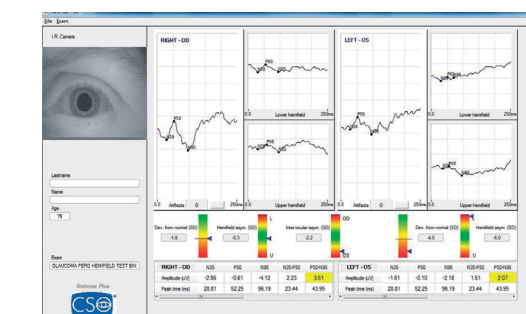


Pattern Stimulator OLED 55" with automatic visual field adjustment.



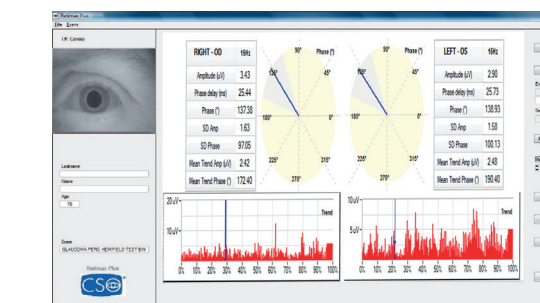
## GLAUCOMA HEMIFIELD PERG TEST

It is the most common and reliable test for the early diagnosis of Glaucoma. It is extremely useful for the functional analysis of Retinal Ganglion cells. It is fundamental for monitoring glaucomatous disease during therapeutic treatment. The Glaucoma Hemifield PERG Test shows the dysfunctions of the Retinal Ganglion cells before the irreversible apoptosis process starts. The test is very fast and provides a comparative analysis of the functionality of the upper and lower retinal hemifields. The analysis or the intraindividual variability of the PERG test allows the reduction of the results variability because the test is not affected by external variability sources.



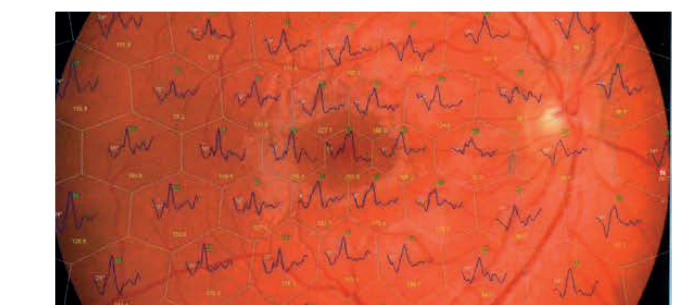
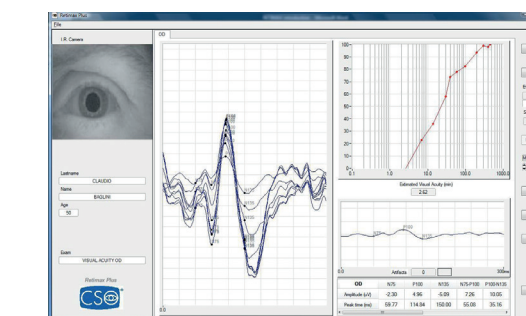
## VISION TRAINER VISUAL REHABILITATION

VISION TRAINER aims to optimize and normalize the visual performance of patients affected by ocular and neuro-ophthalmic diseases. The biofeedback of the VEP, acquired in real time, is used to instruct the patient while visual exercises, to improve visual performances.



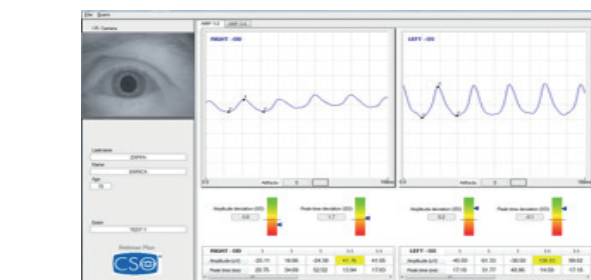
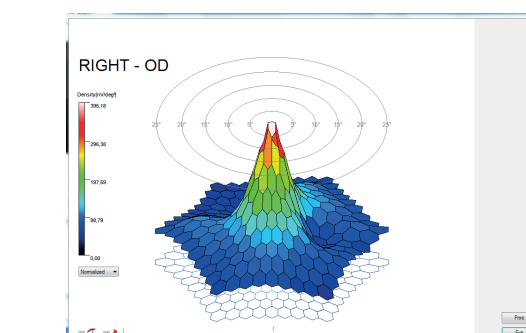
## RETIMAX SWEEP VEP AND SEQUENCES

It provides a random sequence of visual stimuli at different contrast levels, or different spatial frequencies, which can assess contrast sensitivity or visual acuity, very quickly and objectively even in uncooperative patients.



## MULTIFOCAL ERG, PERG, VEP, REAL TIME

Short or long m-sequence. FOK and SOK from 1 to 241 hexagons. Automatic adjustment of the stimulated visual field.



## AMD TEST

Macular degeneration (AMD) is one of the most common causes of legal blindness in patients over 60. AMD Test shows the dysfunctions of the retinal photoreceptors in order to provide information useful for the planning of treatment and the follow-up of the disease.

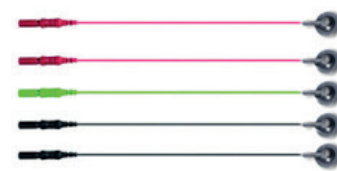


## Accessories

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**DISPOSABLE ELECTRODE**  
15x20mm adhesive, with cable  
100cm Package 120 pieces  
Code 10.60.01.370



**SILVER CUP SKIN ELECTRODE**  
Cup electrode in Ag-Ag/CL for  
cutaneous application, cm. 100  
Package 5 pieces  
Code 10.60.01.321



**HK LOOP**  
Conjunctival fornix electrode for  
ERG and PERG examinations. Stable  
and very comfortable. It can be re-  
used several times after sterilization.  
Package 20 pieces  
Code 10.60.01.310



**ERG JET**  
Corneal contact electrodes for  
ERG and MFERG examinations.  
Disposable in sterile package  
Package 50 pieces  
Code 10.60.01.315



**TEN 20**  
Special adhesive paste, electrically  
conductive, for skin contact  
electrodes in AG-AG/CL. Water  
soluble 114 gr.  
Package 3 pieces  
Code 10.60.01.362



**NUPREP**  
Abrasive cream for cleaning the skin  
Water soluble 114 g bottle. Package  
3 pieces.  
Codice 10.60.01.363



**CHINREST PAPER**  
Disposable wipes for chin pack 100  
pieces each.  
Code 40.14.010



**RETIMAX MINIGANZFELD**  
it is a portable device, extremely  
useful for ERG and VEP tests in  
pediatric patients. It includes an in-  
frared camera and a display which  
allow to monitor the patient even in  
the dark environment.  
Code : 10.60.03.600

## Retimax

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### ACQUISITION

16 bit A/D converter  
2 channels standard amplifier, up to 6 channels (optional)  
Real-time rejection of artifacts due to eye movements  
M-Sequence Computation in real time (patented)  
Automatic measurement of electrodes impedance

### STIMULATORS

RETIMAX MINIGANZFELD flash fino a 30Cd/m<sup>2</sup>S, Background light fino a 600 Cd/m<sup>2</sup> (conform to ISCEV, International Society for Visual Electrophysiology of Vision), monocular or binocular, white light, Red Light 625nm, Blue Light 470nm, Yellow Light 600nm, Green Light 525nm.  
Available additional colours stimuli as an option  
Video camera for the monitoring of the patient

EOG fixation spots 30 and 45 degrees

Pattern Stimulator 10/19/21/32/42/55 Inches, high luminance, LCD, OLED, resolution 1280x1024.  
Automatic calibration. Visual field adjustable up to 90 degrees

### ANALYSIS

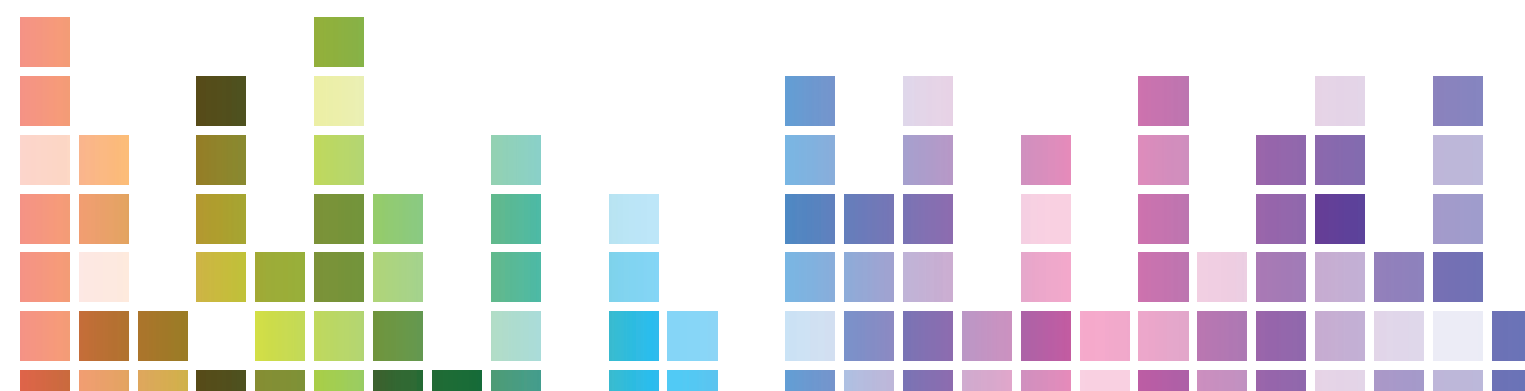
User-defined normative database related to patient age  
Statistical analysis  
Data export in ASCII, txt, .CSV format  
Compatibility with standard, DICOM v3 (IHE integration profile EYECARE Workflow)

### PC MINIMUM SYSTEM REQUIREMENT

4 GB RAM - Video card 1 GB RAM (not shared) resolution 1280 x 960 pixels - USB 2.0 type  
Operating system: Windows XP, Windows 7 and Windows 10 (32/64 bit).

*\*Retimax is covered by patents. The specifications and the images are not contractually binding and can be modified without notice.  
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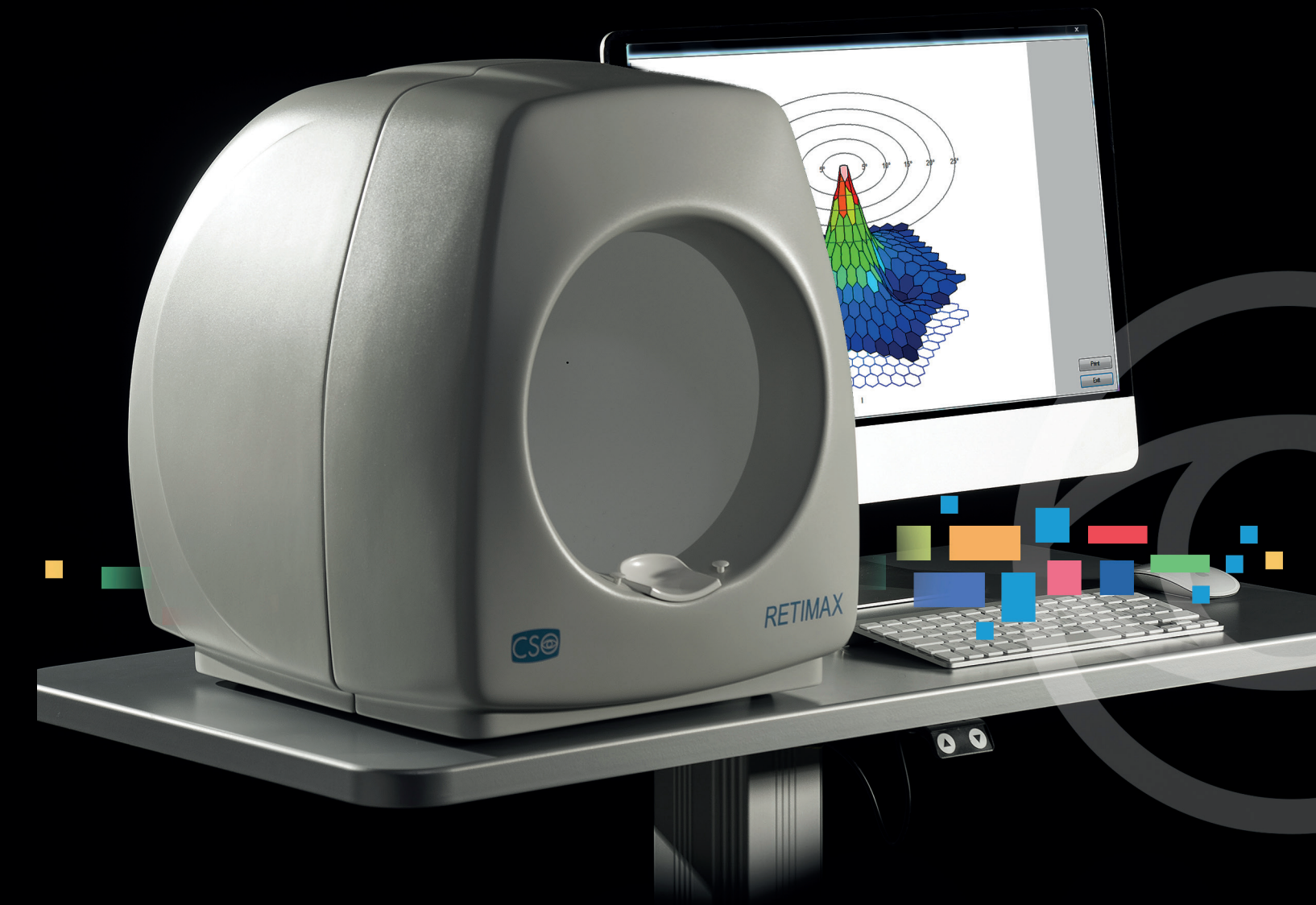
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# Retimax

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OCULAR ELECTROPHYSIOLOGY SYSTEM



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