SOLOS™

Automatic Lens Analyzer

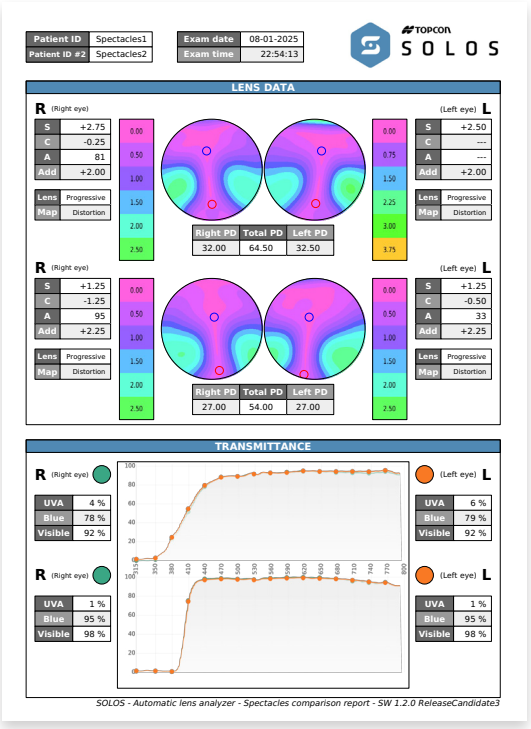
Drive Premium Lens Sales with Advanced Robotic Analysis

TOPCON Healthcare

COMPLETE LENS ASSESSMENT

ROBOTIC LENS DETECTION, REFRACTIVE ANALYSIS, AND LENS MARKING

SOLOS delivers a comprehensive assessment of lens properties at the touch of a button. Leverage the power of lens mapping, spectrometry, and lens marking in a single device to maximize efficiency and highlight lens performance.



In-Depth Graphical Reports Support Patient Education on Lens Options

Advanced Lens Mapping

Review the distribution of power and distortion maps to:

- Analyze optical properties across the entire surface of a measured lens.
- Facilitate a deeper understanding of lens performance.

Comparative Analysis

Engage the SOLOS lens comparison mode to:

- Highlight differences in optical characteristics.
- Showcase the advantages of premium versus standard lens designs.

SOLOS FEATURES

Robotic, **One-Touch** Operation

Lens Mapping with **Distortion Map**

UVA, Blue Light, & Visible Light **Transmittance** Measurements

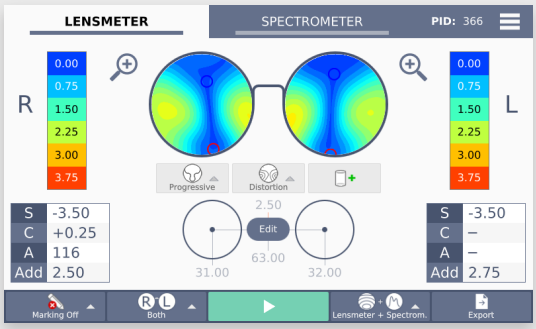
Automatic **Lens Marking**

Automatic **Lens Detection and Measurement**

Wireless Data Transfer

Extended **Measurement Range** (Up to +/- 20D)

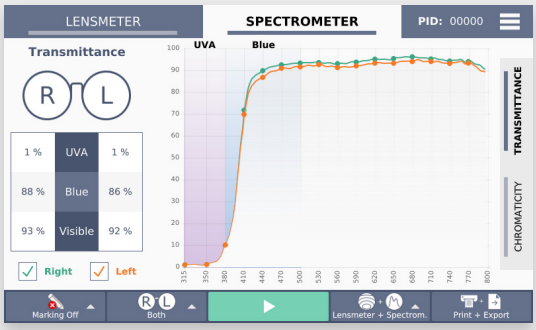
Detailed PDF Report with **Lens Comparison Mode**



One-Touch, Detailed Lens Analysis

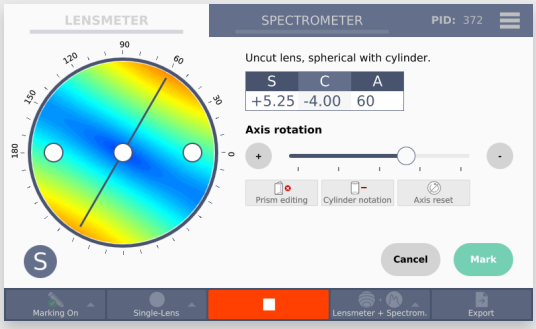
- Automatically detect, measure, and mark single-vision, bifocal*, and progressive lenses, whether framed or uncut.
- Reduce reliance on experienced users and minimize human error with intuitive one-touch operation.

*SOLOS does not support trifocal lenses.



Full-Range Spectrometry Evaluation

- Quantify UVA, blue, and visible light transmittance using an integrated full-range spectrometer to emphasize the protective qualities of specific lens materials and coatings.
- Capture chromaticity data to evaluate lens color or tint and ensure optimal optical performance.

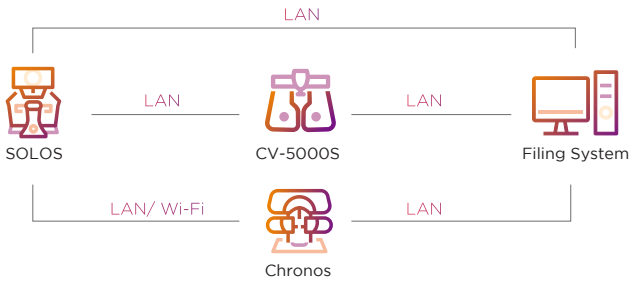


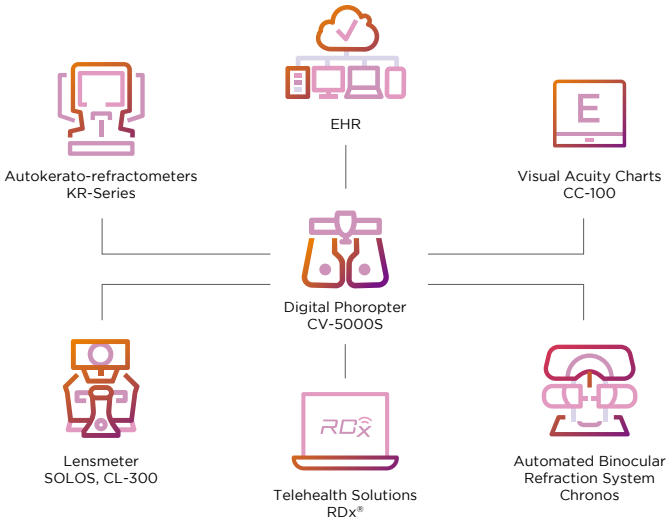
Streamlined Lens Marking

- Automated lens marking provides precise alignment of optical centers relative to the visual axis, promoting visual comfort and clarity.
- Prism editing functionality allows for fine-tuned adjustments of prism through decentration as needed.

CONNECTIVITY

Seamless connectivity options enable effortless data sharing with electronic medical records, the CV-5000S digital refraction system, and the Chronos™ automated binocular refraction system.





SPECIFICATIONS

General Data	
Lens Analysis	Focimeter, Lens Mapper, Spectrometer
Operating Mode	Total Automatic
Light Source	Green LED 535 nm +/- 10 nm
Acquisition Type	Single Lens, Spectacles
Lens Type	Monofocal, Bifocal, Progressive and Degressive Lens
Lens Detection	Automatic
Marking	Single Lens, Spectacles
Spectrometer	Transmittance and Chromaticity

Measurement Range	
Sphere Power	-20D ~ +20D (step 0.01, 0.0625, 0.125, 0.25D)
Cylinder Power	-10D ~ +10D (step 0.01, 0.0625, 0.125, 0.25D)
Cylinder Axis	0 ~ 180° (step 1°)
Addition Power	-4D ~ +4D (step 0.01, 0.0625, 0.125, 0.25D)
Prism Power	From 0D to 20D
Prism Base	From 0 to 360 degrees (step 1 degree)
PD Measurement	Mono/Bino
Spectrometer Range	315 nm - 800 nm
Measurement Accuracy	ISO 8598-1:2014 Compliant

Measured Lens Size	
Single Lens Diameter	From 22 mm to 80 mm
Single Lens Thickness	Up to 22 mm
Spectacle Lens Height	From 22 mm to 80 mm
Spectacle Lens Wrapping Angle	Up to 18 degrees

CE

VISIA IMAGING S.R.L.
Via Martiri della Libertà 95/e
52027 San Giovanni Valdarno (AR) Italy

Note 1: Not available in all countries, please check with you distributor for availability in your country
Note 2: Subject to change in design and/or specifications without advanced notice

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

M000073G-2US | MCA #5654 | Part number: #LIT00796

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