



XFRACTION Wavefront Optimized Refraction

Discover how Marco has defined the next era in the digital refraction process.



XFRACTION: WAVEFRONT OPTIMIZED REFRACTION

Scan our QR code to see the XFRACTION process live!

www.marco.com
800.874.5274



- In a fraction of the time
- Discernment at the speed of light
- A complete collection & validation process
- The only total refraction solution

XFRACTION Wavefront Optimized Refraction

XFRACTIONSM

Wavefront Optimized Refraxon

Only Marco can offer a technology combination that assesses a patient's total visual system, while maximizing efficiencies, practice profitability, and best patient care.

Begin with the OPD-Scan III

- Autorefractometry, Keratometry, Pupillometry, Corneal Topography, Wavefront Aberrometry, Retro Illumination, Day/Night Rx (23 diagnostics)
- 2520 real data points across 9.5mm
- Decide if simple spherical refinement is sufficient
- Auto-Selects best refraction start point



OPD-Scan III
Refractive Power/Corneal Analyzer

WF CANDIDATE				
HOA [μm]: @4.00mm / Order = 4				
	T.Sph	T.Coma	T.Tre	HO
Total:	0.020	0.040	0.025	0.059
Cornea:	0.061	0.108	0.073	0.155
Internal:	0.041	0.085	0.091	0.156
Refraction: VD = 13.75mm				
	Sph	Cyl	Axis	RMS
WF@4.00	+1.00	-0.50	105	0.07D
WF@5.42	+0.75	-0.50	111	0.19D
Diff	-0.25	0.00	6	

'WF' = Basic Refinement

- Clean optical system
- Minimal shift in SCA
- No HOAs influencing correction

AR/REF CANDIDATE				
HOA [μm]: @4.00mm / Order = 4				
	T.Sph	T.Coma	T.Tre	HO
Total:	0.075	0.104	0.056	0.148
Cornea:	0.086	0.066	0.159	0.206
Internal:	0.014	0.039	0.113	0.130
Refraction: VD = 13.75mm				
	Sph	Cyl	Axis	RMS
REF	-0.50	-0.75	175	
WF@5.19	-1.25	-0.25	031	0.51D
Diff	-0.75	+0.50	36	

'AR/REF' = Full Refraction

- Significant shift in SCA
- HOAs present with lenticular change
- Potential night driving issues

Complete with the TRS-5100 System

- Automation that saves 5-7 minutes per patient
- Speed adds 2-4+ patients each day
- Accuracy that reduces costly lens remakes
- Flawless data transfer to EMR
- Eliminate repetitive stress injury



Digital TRS-5100 Refraction System with remote control console

The Only Total Refraction Solution

In under a minute you can discern which 80%* of patients qualify for basic refinement or require a full refraction – and:

- Define total visual systems most accurately
- Have patients verify their old vs. new Rx
- Maintain full validation of every refraction
- Grow optical revenue by more than 20-30%
- Increase total practice efficiency and best patient eye care
- Elevate the total patient experience

XFRACTION: WAVEFRONT OPTIMIZED REFRACTION