







1050 Hz pulse rate

1050 Hz, Latency-Free Tracking

Differences in the AMARIS family

HQ index of the AMARIS family

Clinical Experience

By the way

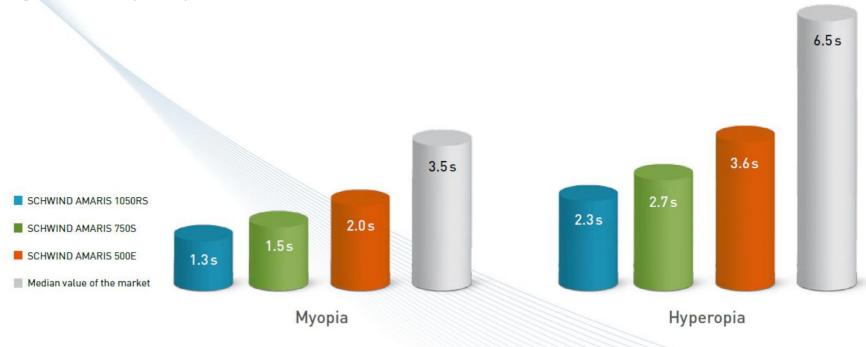
SCHWIND AMARIS 1050RS

1050Hz pulse rate

Patient expectations are constantly increasing with regard to treatment methods and the results attainable in corneal surgery.

If you can offer the shortest treatment times with perfect results, you have the upper hand.

This is where the SCHWIND AMARIS family of laser systems sets a new standard, delivering greater safety and patient comfort.



SCHWIND AMARIS family: ablation time per dioptre (s/D)*

^{*}without astigmatism, 12.5 mm vertex distance, 6 mm optical zone



1050 Hz Latency-Free Tracking

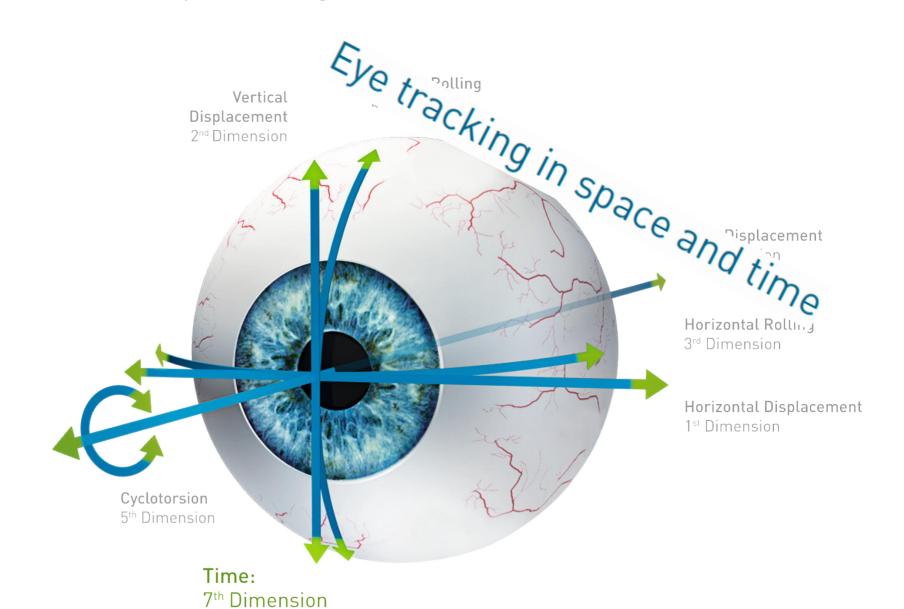
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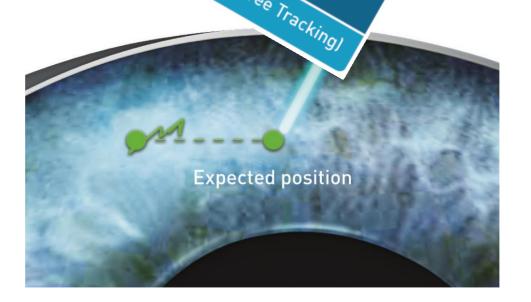
SCHWIND AMARIS 1050RS

1050 Hz Latency-Free Tracking

The new, ground-breaking Latency-Free Tracking now considers the time factor. Latency-Free Tracking compensates for eye movements that occur in the period between acquisition of the eye tracker image and triggering of the subsequent laser pulses.

The eye tracker per motion analysis on the basis of previous eye positions during the treatmer

It then calculates where the corneal target position will be at the moment of the interpolation before the next pulse is trigged to be triggered to be trigger





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The AMARIS Family

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Differences at a glance







AMARIS® 1050RS

AMARIS® 750S

AMARIS® 500E

	7 ii		711 171110 0002
Laser Parameters			
Repetition rate	1050 Hz	750 Hz	500 Hz
Ablation time (s/D) (Myopia, without astigmatism, 12.5 mm vertex distance, 6 mm optical zone)	1.3 s	1.5 s	2.0 s
Eye Tracker (basic version 4D)	7D maximum	6D maximum	5D maximum
Reaction time (system as a whole)	Zero Latency (with Latency-Free Tracking)	3 ms	3 ms
6 th dimension: Z-tracking	Optional	Optional	-
7 th dimension: Latency-Free Tracking	Optional	-	-
Design/Features			
Base unit	Design base, high gloss paint finish	Design base	Functional base
Laser arm	90° swiveling	90° swiveling	-
Dimensions (LxWxH) including patient bed	2634 mm x 1443 (±50 mm) x 1418 mm	2634 mm x 1443 (±50 mm) x 1418 mm	2265 mm x 1486 (±50 mm) x 1411 mm



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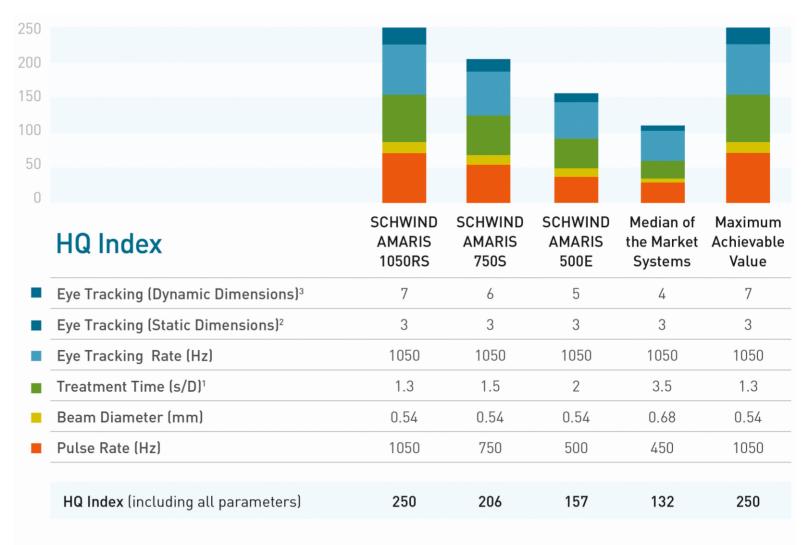
HQ index of the **AMARIS** family

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SCHWIND AMARIS 1050RS

The AMARIS product family in the HQ index



¹ Treatment time corresponds to myopic treatments without astigmatism, in 6 mm optical zone, at a vertex distance of 12.5 mm and with maximum fluence values

² Static dimensions correspond to the number of registered dimensions from diagnosis (Maximum value 3 = X-pupil, Y-pupil, and static cyclotorsion)

³ Dynamic dimensions correspond to the number of registered dimensions during ablation (Maximum value 7 = X-pupil, Y-pupil, X-roll, Y-roll, Z-movements, dynamic cyclotorsion, and latency time)



Clinical Experience

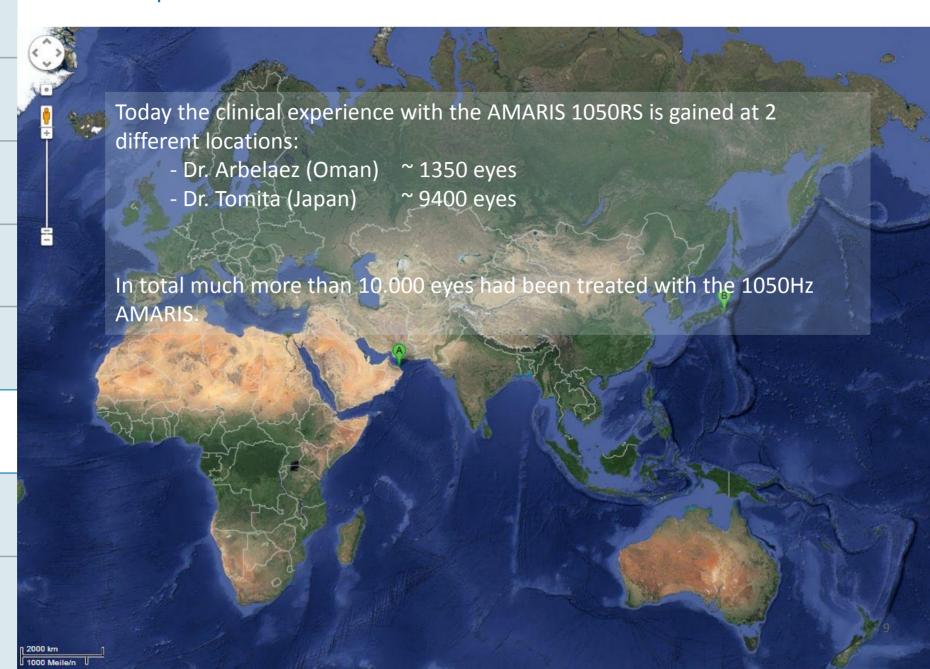
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Clinical Experience – Dr. Arbelaez

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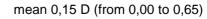
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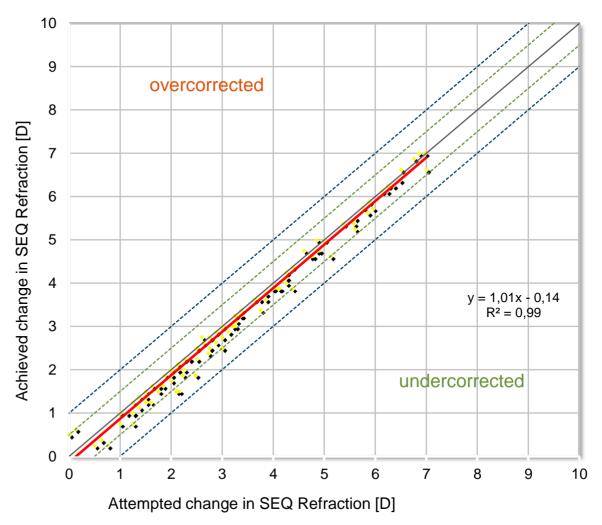
HQ index of the AMARIS family

Clinical Experience

By the way

125 eyes - 3 m postOP







Clinical Experience – Dr. Arbelaez

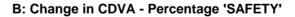
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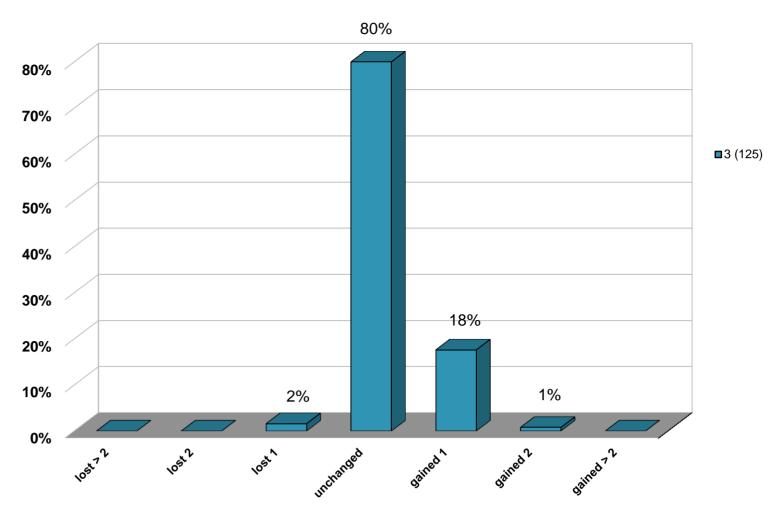
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Clinical Experience – Dr. Arbelaez

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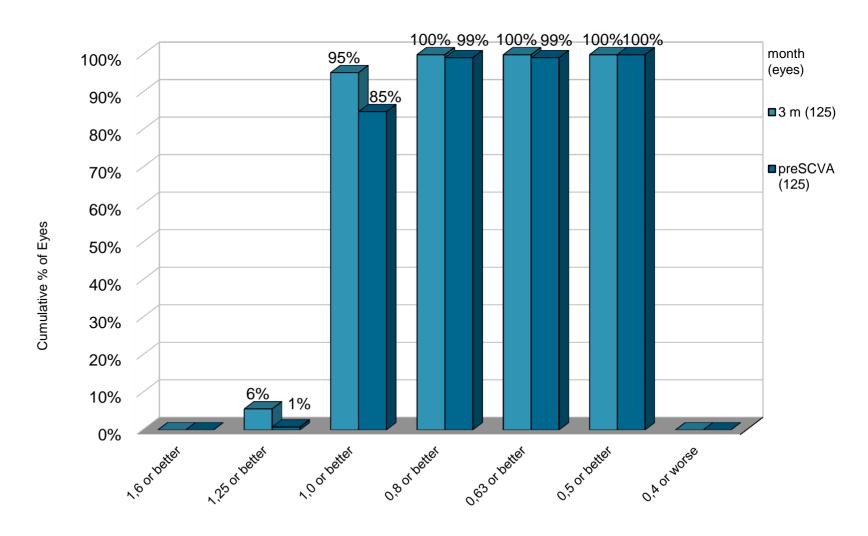
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A: preOP CDVA vs. postOP UDVA - Percentage





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