

# SCHWIND AMARIS® Product Family

AMARIS® 1050RS      AMARIS® 750S      AMARIS® 500E

Laser Parameters	AMARIS® 1050RS	AMARIS® 750S	AMARIS® 500E
Repetition rate	1050 Hz	750 Hz	500 Hz
Intelligent Thermal Effect Control	✓	✓	✓
0.54 mm beam size, Super-Gaussian profile (FWHM)	✓	✓	✓
Beam delivery – flying spot with Automatic Fluence Level Adjustment	✓	✓	✓
Eye Tracking Features			
1050 Hz sampling rate	✓	✓	✓
Latency time of laser system	Zero latency (with Latency-Free Tracking)	3ms	3ms
Pupil and limbus tracking: Pupil Centroid Shift Compensation, Automatic Pupil Size Control	✓	✓	✓
Eye Tracking Dimensions			
1 <sup>st</sup> and 2 <sup>nd</sup> dimensions: Compensation of lateral movements	✓	✓	✓
3 <sup>rd</sup> and 4 <sup>th</sup> dimensions: Rolling balance	✓	✓	✓
5 <sup>th</sup> dimension: Advanced Cyclotorsion Control – static / dynamic (option)	✓	✓	✓
6 <sup>th</sup> dimension: Z-tracking (option)	✓	✓	–
7 <sup>th</sup> dimension: Latency-Free Tracking (option)	✓	–	–
SCHWIND CAM Software			
ORK-CAM module: Refractive treatment	✓	✓	✓
PresbyMAX module: Presbyopia treatment (per procedure fee)	✓	✓	✓
PALK-CAM module: Therapeutic treatment (per procedure fee)	✓	✓	✓
PTK-CAM module: Therapeutic treatment	✓	✓	✓
Ergonomics			
90° swivelling laser arm	✓	✓	–
Up to 90° swivelling patient bed (optional motor drive)	✓	✓	✓
Panel PC – touch screen monitor, pivotable on 2 axes, additional dot-matrix display, washable keyboard with integrated touchpad	✓	✓	✓
Working distance of 235 mm	✓	✓	✓
Further Features			
Online pachymetry (option)	✓	✓	✓
Particle aspiration system with unique airflow design	✓	✓	✓
Diagnostic slit lamp – swivelling on 2 axes, 4 selectable diaphragms (option)	✓	✓	✓
SCHWIND CXL-365 vario for corneal collagen crosslinking (option)	✓	✓	✓
Video system (option)	✓	✓	✓
Cross laser for patient adjustment (option)	✓	✓	–
SCHWIND MEDNET network solution (option)	✓	✓	✓

Compliance: CE conformity in accordance with Medical Device Directive (MDD) 93/42/EEC

Optimum functionality, reliability and compliance with all legal regulations can only be assured through the use of products supplied by SCHWIND – whether as single items or as a combined system.