

# SCHWIND AMARIS<sup>®</sup> 750S

At a glance

Laser type	ArF-excimer laser, 193 nm, laser class 4
Beam size	0.54 mm Super-Gaussian profile (FWHM)
Repetition rate	750 Hz, with Intelligent Thermal Effect Control
Ablation time	1.5 s/D (Myopia, without astigmatism, 12.5 mm vertex distance, 6 mm optical zone)
Beam delivery	Flying spot, with Automatic Fluence Level Adjustment
Eye tracking	6D, 1050 Hz turbo eye tracking Reaction time: 3 ms Pupil and limbus tracking Compensation of lateral movements (1 <sup>st</sup> and 2 <sup>nd</sup> dimensions) Rolling balance (3 <sup>rd</sup> and 4 <sup>th</sup> dimensions) Optional: Advanced Cyclotorsion Control – static and dynamic (5 <sup>th</sup> dimension) Optional: Active z-tracking compensation (6 <sup>th</sup> dimension) Automatic pupil size control Pupil centre shift compensation
SCHWIND CAM software	ORK-CAM module – refractive treatment PresbyMAX® module – presbyopic treatment (PPF) PALK-CAM module – therapeutic treatment (PPF)
Refractive treatment range	PRK, TransPRK, LASEK, LASIK, FemtoLASIK, PTK "Aberration-Free" treatments Customised treatments based on corneal and ocular wavefront
Integrated online pachymetry	Optional
Particle aspiration system	Integrated
Laser arm	90° swivelling
Patient bed	Up to 90° swivelling
Treatment Assistant Manager	Course of treatment can be configured individually
Surgical microscope	Superior depth of focus Tube swivelling range 10° to 50° Camera beam splitter integrated Optional: Camera video system with DVD recorder
Computer	Panel PC – 17" touch screen monitor, pivotable on 2 axes, additional dot-matrix-display, washable keyboard with integrated touchpad
Diagnostic slit lamp	Optional Swivelling on 2 axes 4 selectable diaphragms (3 slits, 1 circle)
Working distance	235 mm
Voltage / power consumption	100, 110, 120, 127 VAC, 50/60 Hz, max. 20 A 208, 220, 230, 240 VAC, 50/60 Hz, max. 10.5 A
Footprint (LxWxH) including patient bed	2634 mm x 1443 (±50) mm x 1361 mm
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.