



TECHNOLAS® 317
TENEO MODEL 2

INVISIBLE LASER RADIATION:
AVOID EYE OR SKIN EXPOSURE
TO DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

Wavelength: 193 nm
Pulse duration: 5 - 11 ns
Maximum pulse frequency: 512 Hz
Maximum output energy: 192 mJ
IEC 60825-1:2014

Contact your Bausch + Lomb representative to learn more about TECHNOLAS® TENEO™ 317 MODEL 2. Design and specifications are subject to change without prior notice as a result of ongoing technical development. The TECHNOLAS® TENEO™ 317 MODEL 2 Excimer Laser is CE Marked. Indications and approvals may vary by country, including Canada. Please contact our regional representative regarding individual availability in your respective market. TECHNOLAS, TENEO are trademarks of Bausch + Lomb Incorporated or its affiliates. Ref: BL_SURGINT_TEN2SPEC_0618. © 2018 Bausch + Lomb Incorporated. All rights reserved. TECHNOLAS Perfect Vision GmbH - A Bausch + Lomb Company. Messerschmittstr. 1+3, Munich, Germany.

* Myopic standard treatment for 6 mm optical zone
1,740 Hz= Eyetracker frequency
360°= Microscope rotation

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INTRODUCING
TECHNOLAS® 317
TENEO MODEL 2
Legal manufacturer:
Technolas Perfect Vision GmbH

**TECHNICAL
SPECIFICATIONS**



TECHNOLAS®

TENEO™ 317 M²

TECHNICAL SPECIFICATIONS

Laser type	Pulsed ArF-Excimer laser
Pulse frequency	500 Hz
Wavelength	193 nm
Spot size	1 mm
Beam shape	Soft spot (truncated Gaussian)
Treatment mode	Flying spot
Energy density per pulse	200 mJ/cm ²
Energy control	Close loop controlled energy beam delivery system (3 sensors)
Beam path	Sealed, Nitrogen flushed
Type of eyetracker	All dimensions active IR video based
Eyetracker rate	1740 Hz
Eyetracker dimensions	X/Y/Z Torsion Static cyclotorsion Dynamic rotational tracking Pupil shift compensation
Iris recognition	Yes
Centration	Automatic pupil centration & manual adjustable
Microscope	Zeiss FR1-PRO 3 Axis Motorized 5x Magnification Changer 360° swiveling
Slit projector	Yes
Working distance	240 mm
Dimensions (W x L x H cm)	57 x 111 x 134 w/o bed (22.44" x 43.7" x 52.76") 139 x 196 x 134 w bed (52.72" x 77.17" x 52.76") w bed
Weight	322 kg w/o bed 572 kg w bed

TOUCHSCREEN

Touch technology	Projected Capacitive Touch screen (PCT), compatible with medical gloves
Display	24.1" diagonal
Aspect ratio	16:10
Native (optimal) resolution	1920 x 1200
Monitor dimensions (W x H x D mm)	557 x 402 x 66 (22.72" x 15.83" x 2.99")

PATIENT BED

Mode	Swivelling, configurable up to 60°
XY-adjustable	+/- 7 cm
Z-adjustable	17 cm
Length	190 cm
Width	Ergonomically shaped, max. width 73 cm
Height	50-67 cm (access height)
Weight	250 kg
Head Rest	Horseshoe shaped for relaxed position & restraining effect Vertical range: 40 mm Tilt: +/-7.5° from center (horizontal) position

ERGONOMIC USER INTERFACE

Height adjustable, telescopic user panel
Backlight illumination for user controls
User selectable joystick sensitivity

AMBIENT CONDITIONS

Ambient temperature	+18 to +24° C
Relative humidity	30 to 50 % (non-condensing)
Air pressure	700 hPa (maximum elevation: 3000 m)
Air purity	No dust No smoke No evaporating cleaning agents No chemical or alcoholic liquids
Floor loading, minimum	Firm floor 10 Kg/cm ²

