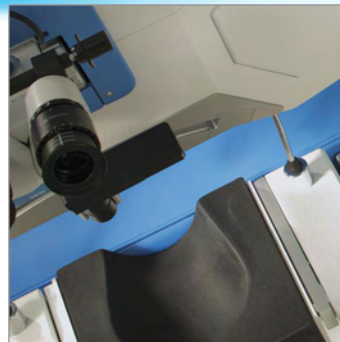
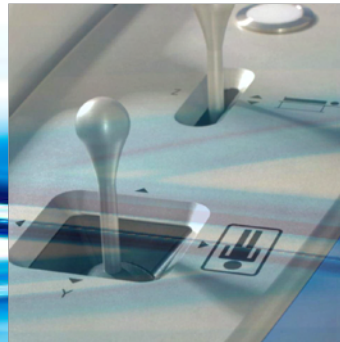


TECHNOLAS® Excimer Workstation 217P

Fast, easy and efficient - for unmatched visual outcomes



Performance

Predictability

Premium procedures

PresbyLasik

Profitability

TECHNOLAS® 217P

It's everything you need

The TECHNOLAS 217P is the most cost-effective way to gain access to ZYOPTIX® procedures:

- > PresbyLasik*
- > Personalized Treatment Advanced (PTA)
- > Tissue Saving now also for hyperopia

Benefit from the latest excimer technologies, innovative features, ease of use and enhanced performance, including:

- > Advanced Control Eyetracking (ACE™) Technology
- > Slit Lamp (optional)
- > Optical Coherence Pachymetry (OCP) (optional)
- > Advanced Nomogram
- > New ergonomic design
- > Heated mattress (optional)
- > Automatic headrest
- > Customised joystick position (optional)
- > Femto ready
- > Designed to share its patient bed with the TECHNOLAS® Femtosecond Workstation 520F

The TECHNOLAS 217P allows you to:

- > Save time
- > Offer premium procedures
- > Minimize retreatment rate
- > Increase practice profitability



* CE Study in progress.

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TECHNOLAS Excimer Workstation 217P

Fast, easy and efficient - for unmatched visual outcomes

TECHNOLAS 217P new features

Faster, easier, the most cost effective excimer platform

A minimum investment gives you access to the latest excimer technology. With its ease of use, time saving features, increased accuracy and enhanced performance you can benefit from maximum profitability. The new ergonomic design increases both doctor and patient comfort.



Ergonomic design and improved workflow

New patient bed for femtosecond use

Ergonomically designed to work in conjunction with the TECHNOLAS Femtosecond Workstation 520F. Improves workflow for both Lasik and INTRACOR® procedures.

Heated mattress

A more comfortable and relaxed patient. *(Optional)*

Automatic headrest

Optimizes patient's head positioning.

New ergonomic design

An ergonomic design that increases the comfort of both doctor and patient. Easy access for the patient.

Automatic OD/OS positioning

Selecting right or left eye by pressing one button.

Customised joystick position

Position and number of joysticks customised according to surgeon preferences. *(Optional)*

New illumination

Back lit illumination of the buttons. Better visibility, better control.



ACE™ Technology and Iris Recognition

The Advanced Control Eyetracking (ACE™) Technology is a dynamic rotational eyetracking system that tracks and simultaneously adjusts the ablation pattern for the entire duration of the procedure.

ACE™ Technology enables Iris Recognition for all ZYOPTIX modes.

ACE™ compensates for the six types of eye movements.



20% reduction in procedure time

No treatment breaks and one card

One single ZYOPTIX card for all treatment modes.



Advanced intra-operative patient data

Slit lamp

Improves patient flow. Provides excellent visualization without having to move the patient from the laser. *(Optional)*

Optical Coherence Pachymetry (OCP)

Gold standard contact free pachymetry that provides continuous high-resolution readings throughout the surgery. *(Optional)*



Unrivalled safety

Iris Recognition

Ensures that the correct patient and eye is treated. Now also available for Tissue Saving and Aspheric modes.

Automatic creation of completion sessions

Allows to complete the procedure in case the treatment is interrupted.

Anti thermal spot sorting

Since 1996 Technolas systems are providing a thermally optimised shot distribution in which only every fifth pulse overlaps a previous one. Thus the affected spot can cool in-between pulses, a key factor in speeding up the healing process.

Non contact flap thickness control

Intraoperative non contact flap and residual stromal thickness measurements to improve the safety of corneal ablation procedures, particularly helpful in the effort to avoid corneal ectasia. *(Optional)*

Safety interlock with the TECHNOLAS 520F

Advanced bed control.

TECHNOLAS 217P premium procedures

Increase your patient volume, increase your revenue and increase your patients' satisfaction

Offering premium procedures to your patients provides them with the best quality of vision available today, thereby increasing their satisfaction. Premium procedures can also dramatically reduce your retreatment rate down to less than 1%. It differentiates your practice from competitors which ultimately leads to increased profitability.



NEW!

ZYOPTIX® Personalized Treatment Advanced (PTA) - Premium quality of vision

ZYOPTIX Personalized Treatment Advanced (PTA) - our best algorithm ever developed - is a new procedure that treats pre existing higher-order aberrations without inducing spherical aberration.

PTA treats myopia, hyperopia, and astigmatism using Advanced Nomogram which improves visual outcomes and reduces retreatment rates.

Offering PTA treatment to your patients, is offering them **the best visual acuity available today.**



NEW!

ZYOPTIX® PresbyLasik

Offer quality of life to your patients. The TECHNOLAS Excimer Workstation is ready for presbyopia correction with the newly developed PresbyLasik algorithm. Our PresbyLasik is a binocular procedure that will give your patients the quality of life they are looking for. PresbyLasik will expand the refractive market giving you the opportunity to increase your business and profitability.



NEW!

ZYOPTIX® Tissue Saving (TS) for hyperopia

ZYOPTIX Tissue Saving treatment allows you to **safely increase the range of patients** who can be treated.

Tissue Saving, originally developed to treat myopia, is now also available for treatment of hyperopia.

TS treats myopia, hyperopia, astigmatism and mixed astigmatism.



ZYOPTIX® Personalized (PT)

Improving night driving and treating pre-operative HOA. The ablation profile is calculated based on aberrometric data that is unique to each of the patient's eyes. PT treats myopia, hyperopia and astigmatism.



ZYOPTIX® Aspheric

Reduces the induction of spherical aberration.

The Aspheric algorithm **preserves the natural aspheric shape of the cornea**, resulting in better visual performance for patients, especially at night.

Aspheric treats myopia and astigmatism.

Who else can provide you with less than 1% retreatment rates?

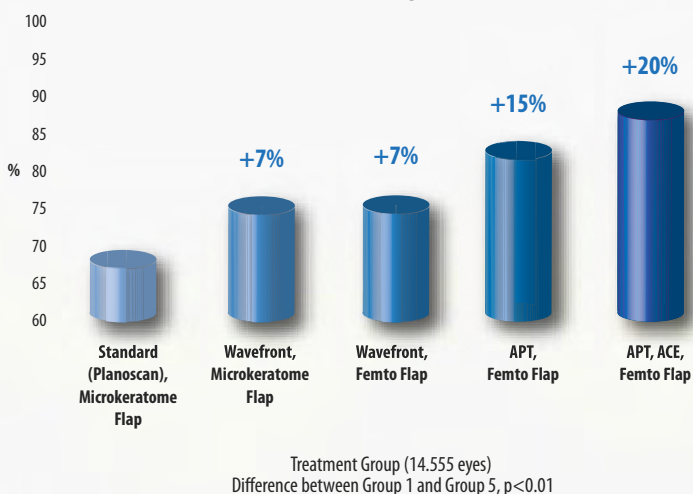
"Since I have been using the Advanced Nomogram my retreatment rate is less than 1%. The Advanced Nomogram assures high predictability, accuracy and the best visual outcomes for the complete patient satisfaction"

Erik Mertens, MD, Antwerp Eye Center, Belgium.

"Continuous technology advancements to the TECHNOLAS Excimer Workstation 217P have led to measurable and statistically significant improvements in patient outcomes and patient satisfaction,"
Jay Dermott, D.Opt. B.Sc FFDO, Ultralase, UK.

Progressive technology enhancements to the TECHNOLAS Excimer Workstation have led to a 20% improvement in patients achieving an uncorrected distance visual acuity (UCVA) of 20/20 or better. Figure 1 shows the statistically significant difference between Group 1 (Planoscan and microkeratome flap) and Group 5 (APT*, ACE Technology and Femto flap)**.

Figure 1: Uncorrected Distance Visual Acuity Distribution
(% achieving 20/20)



P
Performance
Predictability
Premium procedures
PresbyLasik
Profitability

* Advanced Personalized Technologies.

** Jay Dermott, D. Opt. B.Sc FFDO, Ultralase, UK Global Alliance Meeting Report, AAO 2009 San Francisco.

TECHNOLAS 217P

Technical specifications

Laser Data

Type	ArF Excimer Laser
Wavelength	193 nm
Pulse frequency	100Hz
Pulse duration	Approx. 18 ns
Beam delivery	Flying spot
Beam size	2 mm/1mm Truncated Gaussian profile

System Data

Weight	870 kg
Dimensions	Length: 264 cm Width: 120 cm Height: 145 cm
Ambient temperature	Operation: 18° to 24°C
Humidity	30% to 50%, non-condensing
Class Equipment	Class: 1 Type: B
Power	230 V (single phase 50/60 Hz), ±10%, 16 A max.
Cooling	Internal water circulation
Compliance	CE conformity in accordance with Medical Device Directive (MDD) 93/42/EEC
Working distance	215 mm

Advanced Control Eyetracking (ACE™)

Technology with Iris Recognition

6D movement compensation

Iris Recognition

Sampling rate x/y

Active Tracking range x/y

Sampling rate z (passive)

Tracking range z

Dynamic Rotational Tracking

Sampling rate

Range

x/y/z movements, static cyclotorsion,
dynamic rotational tracking,
pupil shift compensation

Yes

240 Hz

3.0 x 3.0 mm

50 Hz

± 0.5 mm

25 Hz

± 15°

ZYOPTIX Procedures

Personalized Treatment Advanced (PTA)

Personalized Treatment (PT)

Aspheric

Tissue Saving (TS)

PresbyLasik®

Myopia, hyperopia, astigmatism
and pre-op HOAs,

reducing the induction of spherical aberration

Myopia, hyperopia, astigmatism

and pre-op HOAs

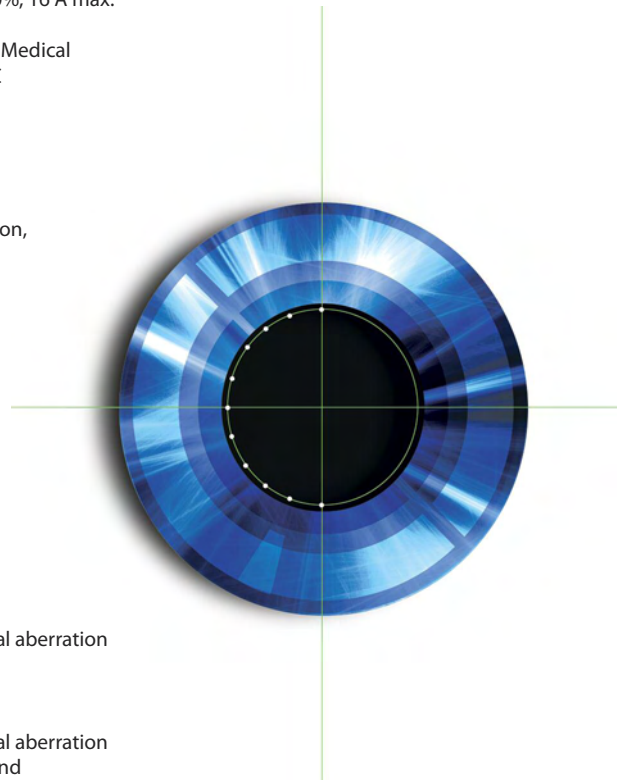
Myopia and astigmatism,

reducing the induction of spherical aberration

Myopia, hyperopia, astigmatism and

mixed astigmatism

Presbyopia



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TECHNOLAS™
PERFECT VISION