

FEMTO LDV Z6

THE FUTURE IN YOUR HANDS



FEMTO LDV Z6

The ultimate femto-technology for the whole anterior segment

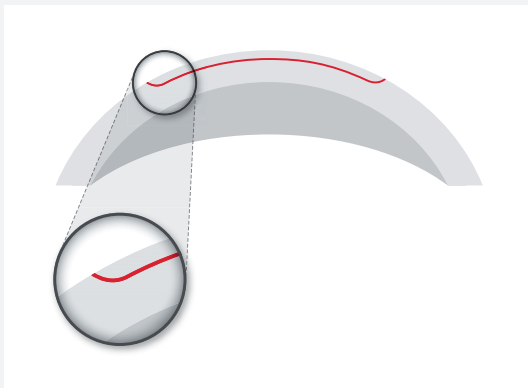
Z-LASIK and Z-LASIK Z – total flexibility

Xy-planar mode or three-dimensional mode – your choice. Truly customizable flab creation.

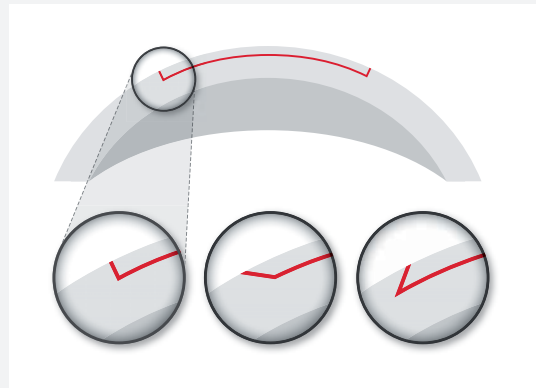
Specifications – Z-LASIK and Z-LASIK Z

- Flap diameter: from 6.5 to 10.0 mm (0.1 mm steps)
- Flap thickness: 90 to 180 μm (1 μm steps)
- Flap geometry: round and oval
- Border resection: in-plane circular rim cut or vertical cuts between 30° and 150°

Z LASIK.



Z LASIK. Z



Corneal surgery

Presbyopia¹-tailored treatment:

- SIM-LASIK™ – all-in-one combined Z-LASIK plus presbyopia correction
- Post-LASIK treatments – highly precise pocket resection below an existing flap
- Tailored pocket software for intrastromal inlays

Keratoconus treatment with your femtosecond laser – be one of the first:

- Tunnel resections for intracorneal ring segments
- Easy insertion thanks to complete resection

Specifications – Intracorneal Rings

- Pre-programmed trajectories for all ring segments
- Full flexibility: 1 or 2 individual tunnels, or 1 complete 360° tunnel
- Tailored procedures: different dimensions and depths for each tunnel possible
- Maximal resection depth: 850 μm

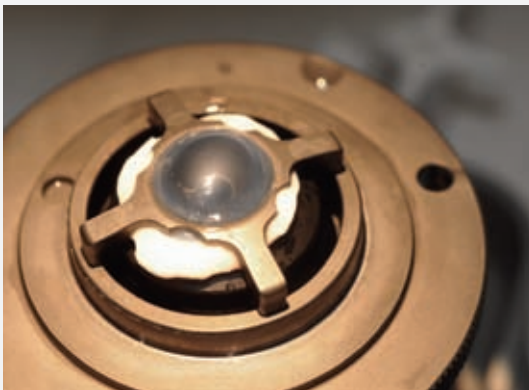
Specifications – Intrastromal Pockets

- Pre-programmed trajectories for most inlays
- Manual option for customization of the trajectory
- Secondary tunnel option

ZIEMER IS THE FEMTO-TECHNOLOGY COMPANY OF TODAY, TOMORROW AND THE FUTURE

Therapeutic procedures

The optional Keratoplasty modules enable additional surgical capabilities onto the FEMTO LDV Z6 and Z6 PowerPlus models.



By means of an Artificial Anterior Chamber designed specifically for the FEMTO LDV systems, perfect donor buttons can be excised.

Specifications – Keratoplastic

- Penetrating Keratoplasty
- Lamellar Keratoplasty:
 - (D)ALK ▶ preparation of patient and donor resection
 - DSAEK ▶ very thin lamellas possible
- Flexible geometry: round and oval resection
- Customizable angled edge
- Adjustable pulse energy possible (depending on resection depth and cornea quality)
- Max resection depth: 850 μm

THE FUTURE IN YOUR HANDS

FEMTO LDV Z6 PowerPlus

An even more powerful laser source allowing for higher and adjustable pulse energy.

PowerPlus is a real break-through in femtosecond laser technology. Your choice for therapeutic procedures. A must-have for the advanced corneal surgeon.



Designed for future applications

The corneal applications are constantly being developed as we continue to learn – and your Z6 Models are already designed for these applications.

- Prepared for future corneal applications
- Designed for OCT
- Designed for cataract¹

¹ The creation of a corneal pocket is part of a presbyopia intervention. Availability of related corneal inlays and implants according to policy of the individual manufacturers and regulatory status in the individual countries. Cataract procedures with the FEMTO LDV Z2, Z4 and Z6 models are not cleared in the United States and in all other countries. An upgrade possibility for these devices is planned once cataract options are available and cleared by the responsible regulatory bodies.

FEMTO LDV Z MODELS

The power of one



Unique femtosecond technology

- Lowest pulse energy (nJ range)
- Highest pulse repetition rate (MHz)
- Microscope lens quality optics



Modular platform solution

- Convenient on-site upgrades
- Tailored application packages
- Designed for future applications



True mobility, true efficiency

- Designed to be moved between different surgical rooms / clinics
- Fits with every excimer
- No need to move the patient



Outstanding clinical results

- Excellent vision
- Very fast visual recovery
- Full capability for LASIK, corneal surgery and therapeutic procedures

Modular architecture Adapted to your individual requirements	Z2 Model	Z4 Model	Z6 Model	Z6 Model PowerPlus
Z-LASIK	•	•	•	•
Z-LASIK Z		•	•	•
Intracorneal Rings (ICR)		○	•	•
Intrastromal Pocket (ISP)		○	•	•
Lamellar Keratoplasty (LKP)			○	○
Penetrating Keratoplasty (PKP)			○	○
<ul style="list-style-type: none"> • Standard software package ○ To be purchased separately 			Designed for OCT Designed for cataract	

Keeping our eye on the future, development is ongoing on a range of applications. Have confidence that your platform is ready for tomorrow's technology today. **Every model is designed for an on-site upgrade to the next model – and beyond!**

