

## Press Release

### **New SCHWIND Artificial Chamber for Lamellar Keratoplasty Expansion of competence in therapeutic corneal surgery**

Kleinostheim, Germany, February 2010

SCHWIND expands its competence in therapeutic corneal surgery. With the new SCHWIND Artificial Chamber, the highly precise Carriazo-Pendular microkeratome can now be used for an exact, reliable and easy preparation of the donor cornea in all methods of lamellar keratoplasty: anterior lamellar keratoplasty (ALK) as well as posterior lamellar keratoplasty (DSAEK). Thus the company offers two highly developed technologies for corneal transplantation that perfectly complement each other. With the SCHWIND Artificial Chamber and the Carriazo-Pendular, the donor graft is optimally prepared. Pachymetry Assisted Laser Keratoplasty (PALK) with the SCHWIND AMARIS allows exact removal of damaged corneal layers on the recipient eye when the endothelium is intact.

#### **Accurately fitting grafts through high cut quality**

Highly precise preparation of the donor graft is a significant factor for successful lamellar keratoplasty. The unique patented geometry of the Carriazo-Pendular cutting head together with the cutting principle of convex appplanation provides highly reliable and precise flaps as well as very smooth cutting surfaces. The integrated spring element allows for optimal fixation of the graft with no loss of pressure in the SCHWIND Artificial Chamber. The SCHWIND Artificial Chamber also convinces through a compact, ergonomic design. Assembly takes place in a few steps and the microkeratome connects easily. The cutting heads for lamellar keratoplasty are available in 300, 350 and 400 micrometre versions. Four ring

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sizes (8.5 to 10 millimetres) allow a perfect matching of the donor cornea for every individual patient.

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