



## pMetrics

Contemporary refractive and cataract surgery require complete analysis of the patient's pupil system. In the past pupil dimensions were roughly estimated or assumed to be "normal" size. Custom surgery requires high definition data to achieve high definition results. pMetrics introduces a new level of detail for the surgeon, precisely measuring binocular pupil dimensions and reactivity dynamically in a full range of visual environments. The IDEAL PUPIL™ is calculated utilizing the pupil's dynamic responses to specific visual environments, lighting conditions, lifestyle weighting, and pMetrics proprietary statistical analysis system.

## The Clinical Applications

- ▶ IDEAL PUPIL determination
- ▶ Refractive surgery
- ▶ Therapeutic corneal surgery
- ▶ IOL calculations

## The Technology

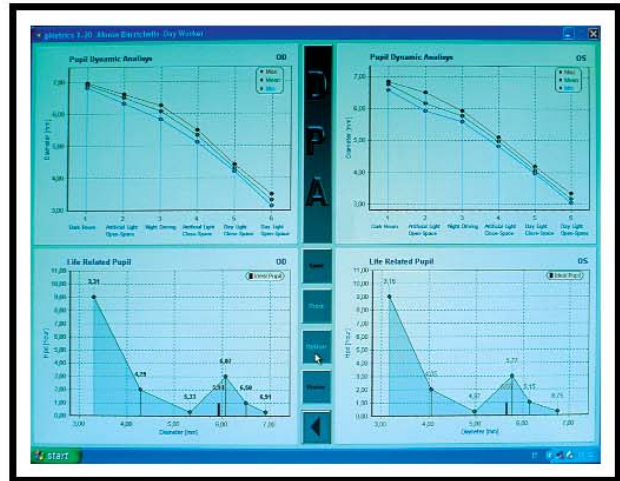
- ▶ Binocular pupillometry with 30 micron precision
- ▶ Statistical evaluation of IDEAL PUPIL
- ▶ Dynamic measurements to calibrated and controlled visual environments from scotopic to photopic
- ▶ Telecentric optics with constant magnification in focal depth
- ▶ Real time feedback regulating visual environments
- ▶ Advanced best-fit pupil profiles
- ▶ Integration of lifestyle requirements
- ▶ Synchronous video negating hippus
- ▶ Standardized and custom defined illumination environments
- ▶ Minimum, maximum and mean dimensions per environment
- ▶ Dynamic pupil analysis and lifestyle related reporting

# pMetrics

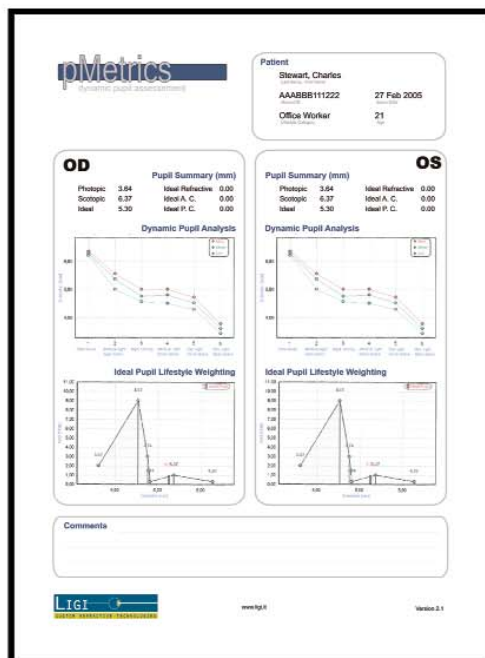
Dynamic Pupil Assessment



**Examination**  
Simple to use with powerful, real-time acquisition of fundamental pupil dimensions in key visual environments.



**Analysis**  
Graphical representation of pupil reactivity to feedback controlled environments. Patient's IDEAL PUPIL is displayed with the underlying statistical lifestyle weighting.



**Reporting and Data**  
Comprehensive patient reports and data output to drive iVIS Suite surgical applications. Data includes IDEAL PUPIL, scotopic, and photopic pupil dimensions.

Global Sales



iVIS Technologies, s.r.l.

Via Luigi Corsi, 50 ♦ 74100 - Taranto, Italy

T: +39 (099) 779 ♦ 1680 F: +39 (099) 779 ♦ 7270

E: sales@iVISTechnologies.com www.iVISTechnologies.com