

# SUOER

## Specular Microscope SW-7000



**D|T|Y** Optical  
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דטי שרומי אופטיקה - 052-3270220 - 03-9341133 - [www.dty.co.il](http://www.dty.co.il)

**optohellas<sup>®</sup>**  
Europe & Middle East Representation



# SUOER

## Specular Microscope SW-7000

SUOER Specular Microscope is a precision optical instrument that integrates autofocus shooting system, illumination imaging system, image processing system, and auxiliary system. Non-contact, fully automatic focusing during measurement, and automatically capture corneal endothelial cells and measures the thickness of the cornea. At the same time, the instrument possesses a highly efficient and rapid corneal endothelial cell image analysis software, which analyzes the captured images for detailed examination of the corneal condition.

### Technical data

|                        |                                    |
|------------------------|------------------------------------|
| Optical Magnification  | 165X±10%                           |
| Photography Slit Width | 0.25mm±0.025mm                     |
| Cornea Thickness       | ±0.025mm(>0.6mm),                  |
| Measurement Accuracy   | ±0.015mm(≤0.6mm)                   |
| Capture Mode           | Auto/Semi-Auto/Manual              |
| Capturing Positions    | The center and 6 peripheral points |
| Working Voltage        | AC220V                             |
| Power                  | 100VA                              |
| Dimension              | 360mm*380mm*450mm                  |
| Weight                 | 25Kg                               |

### The function of software

|                                                                                           |                                                        |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Analysis values                                                                           | Number of cells, CD,<br>SD, CV, AVG/Max/Min            |
| Auto/Manual Repair the Cell Edge, Coloring, Magnifying, Automatic Analysis functions, etc |                                                        |
| Classification statistic                                                                  | According to the cell<br>area and cell edges<br>number |

### Features

|                                                                                   |                                                                               |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Focus by Double CCD, it can observe the eyeball and endothelial at the same time. |                                                                               |
| Non-contact, Fast measuring system, More security and convenient.                 |                                                                               |
| The corneal thickness value display                                               |                                                                               |
| Integrated multiple analysis and measurement tools                                |                                                                               |
| Capture Mode                                                                      | Auto/Semi-Auto/Manual                                                         |
| 3D auto focus                                                                     |                                                                               |
| Color LCD Touch Screen                                                            |                                                                               |
| 7 Capturing positions                                                             | The center and 6 peripheral points<br>(2, 4, 6, 8, 10, 12-o'clock positions). |
| Video printer is optional                                                         |                                                                               |
| Workstation is optional                                                           |                                                                               |
| USB Data Output                                                                   |                                                                               |





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Tianjin Suowei  
Electronic Technology Co., Ltd.

Address: Room 2-201, 2#Building No. 6,  
Zhuyuan Road,  
Huayuan Industrial Zone,  
Nankai District, Tianjin, China  
Tel: +86-22-8371 2745  
Fax: +86-22-8371 2645

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