

# SLIT LAMPS TSL-800 series

LED SLIT LAMPS

# DELIGHT IN SIGHT

Complete slit lamp solution



TSL-800Hdigital

- Quality optics
- LED illumination
- Rotating drum with 5-step magnification
- Multi integrated filters
- High resolution digital imaging system with 5.0 M Pixel (TSL-800Hdigital)
- Imaging system with direct HDMI output (TSL-800Hdigital)

 **TOMEY**  
TECHNOLOGY AND VISION

# THE TOMHEY TSL-800 SERIES



## QUALITY IN DETAIL

The **TOMEY TSL-800** series leaves nothing to be desired. Easy and ergonomic handling, high quality, accuracy and reliability are guaranteed. Our slit lamps are equipped with a complete filter setup like heat-absorbing filter, ND filter, red-free filter and cobalt blue filter. Also many accessories for example yellow filter module, polarised filter module, applanation tonometer, measuring eyepiece, mounting plate provides the complete slit lamp solution for you.

**TSL-800Z**



**TSL-800H**



**TSL-800H *digital***



## **TAT-80R / TAT-80T APPLANATION TONOMETER**

- Gold standard in IOP measurement
- Best reproducibility and accuracy
- Reliable and durable



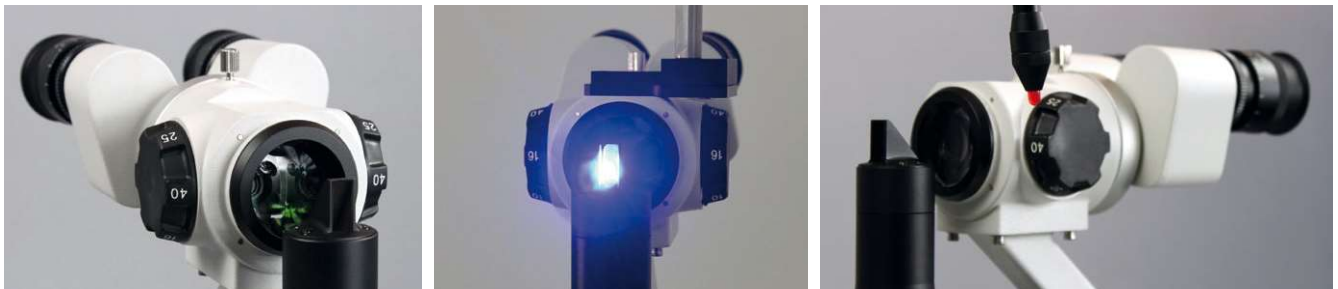
## ERGONOMIC OPERATION

You can control the illumination knob and joystick simultaneously with one hand. The HDMI output can be used to connect the TSL-800H*digital* with a monitor. Share the live eye examination with other people and show pictures of the examination to your patient. This creates a comfortable workflow.



## QUALITY OPTICS IN COMBINATION WITH LED ILLUMINATION

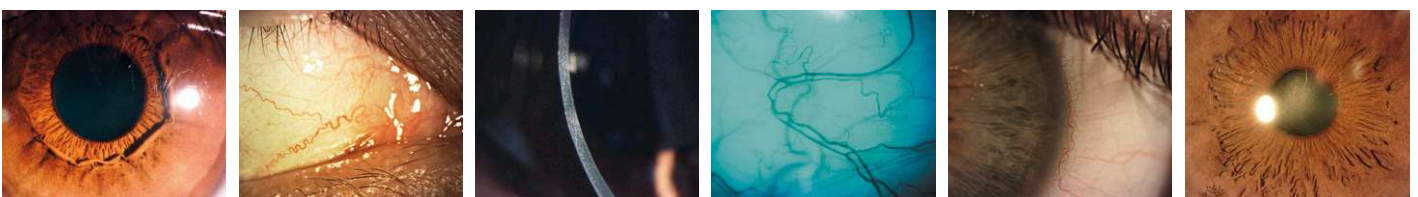
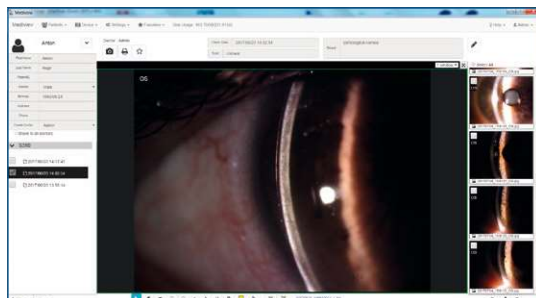
High quality optics provide a very sharp and homogeneous slit and aperture to see all kinds of pathologies clearly. Our LED lamp has a low colour temperature and high illumination intensity. The LED lamp has a longer life span and consumes little energy. To bring it to perfection, the high attention to mechanical parts provide a comfortable handling and smooth operation.



## DIGITAL IMAGING SYSTEM AND PATIENT MANAGEMENT

The TSL-800H*digital* has an integrated high-resolution digital camera which ensures images of the highest quality. Also fluorescein photos and real time videos are possible.

The patient management software allows you to compare several images at one time or change the contrast and brightness of the images.





## SPECIFICATIONS

TSL-800Z

<b>MICROSCOPE</b>	
Type	Galilean-Type
Magnification change	5 Magnifications
Eyepieces	12.5 x
Angle between eyepieces	13°
Total magnification ratio	6x, 10x, 16x, 25x, 40x
Pupillary adjustment	52 mm~78 mm
Diopter adjustment	±6D
Field of view	40x (Ø5.5 mm), 25x (Ø8.5 mm), 16x (Ø13.5 mm), 10x (Ø22 mm), 6x (Ø34.7 mm)
<b>SLIT ILLUMINATION</b>	
Slit width	Continuously variable from 0 to 14 mm (at 14 mm, slit becomes a circle)
Slit length	Continuously variable from 1 to 14 mm
Aperture diameters	Ø14 mm, Ø8 mm, Ø3.5 mm, Ø0.2 mm
Slit angle	0°-180°
Filters	Heat-absorbing filter, red-free filter, cobalt blue filter
Luminance	≥60klx
<b>BASE</b>	
Longitudinal movement	115 mm
Lateral movement	110 mm
Fine base movement	15 mm
Vertical movement	30 mm
<b>CHIN-REST</b>	
Vertical movement	80 mm
Fixation target	LED
<b>DIMENSION &amp; WEIGHT</b>	
Dimension WDH	770 x 470 x 570 mm
Gross weight:	23 kg
Net weight:	15 kg
<b>POWER REQUIREMENTS</b>	
Input:	12V - 15V / 4A
Fixation:	5V - 20mA

## SPECIFICATIONS

TSL-800H / TSL-800Hdigital

<b>MICROSCOPE</b>	
Type	Galilean-Type
Magnification change	5 Magnifications
Eyepieces	12.5 x
Angle between eyepieces	13°
Total magnification ratio	6x, 10x, 16x, 25x, 40x
Pupillary adjustment	52 mm~78 mm
Diopter adjustment	±6D
Field of view	40x (Ø5.5 mm), 25x (Ø8.5 mm), 16x (Ø13.5 mm), 10x (Ø22 mm), 6x (Ø34.7 mm)
<b>SLIT ILLUMINATION</b>	
Slit width	Continuously variable from 0 to 14 mm (at 14 mm, slit becomes a circle)
Slit length	Continuously variable from 1 to 14 mm
Aperture diameters	Ø14 mm, Ø10 mm, Ø5 mm, Ø3 mm, Ø2 mm, Ø1 mm, Ø0.2 mm
Slit angle	0°-180°
Filters	Heat-absorbing filter, red-free filter, cobalt blue filter, ND filter
Luminance	≥60klx
<b>BASE</b>	
Longitudinal movement	115 mm
Lateral movement	110 mm
Fine base movement	15 mm
Vertical movement	30 mm
<b>CHIN-REST</b>	
Vertical movement	80 mm
Fixation target	LED
<b>DIMENSION &amp; WEIGHT</b>	
Dimension WDH	770 x 470 x 570 mm
Gross weight:	24 kg (TSL-800H) / 26 kg (TSL-800H digital)
Net weight:	16 kg
<b>POWER REQUIREMENTS</b>	
Input:	12V - 15V / 4A
Fixation:	5V - 20mA

## ADDITIONAL SPECIFICATIONS TSL-800Hdigital

<b>MOTORIZED FOCUSING DIGITAL MODULE SPECIFICATION</b>			
Image sensor	5 MPixels, 1/4-inch high-speed high-definition image sensor	Frame of video	25fps
Photo resolution	2592 x 1944	Video formats	MP4 H.264
Format	JPEG	Exposure mode	Automatic exposure, automatic gain
Video resolution	1280 x 960	Transmission interface	USB 2.0 high-speed 480Mbps port



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