



The*ia*-i

MICROSCOPE MASTERCLASS

Magnus



## MAGNUS | Theia-i

Inspired by a long association with Japanese manufacturing, Magnus is driven and committed to developing and manufacturing products for today's scientific and medical community. These products are made in a highly automated plant using cutting edge technologies. We strive to continuously evolve to stay abreast with the speed of change in the technology world.



**Theia-i** comes from the house of Magnus microscopes, known globally for its precision engineering and high performance optics. Theia-i is a combination of cutting edge Japanese technology and contemporary European design. It is unique, attractive and affordable. **A World of Difference.**

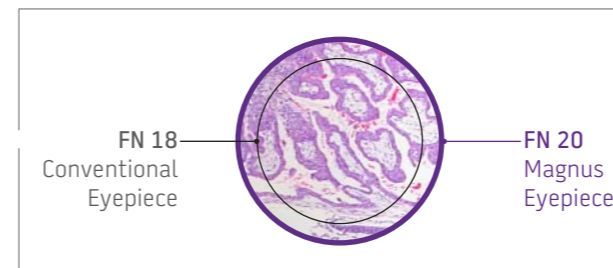
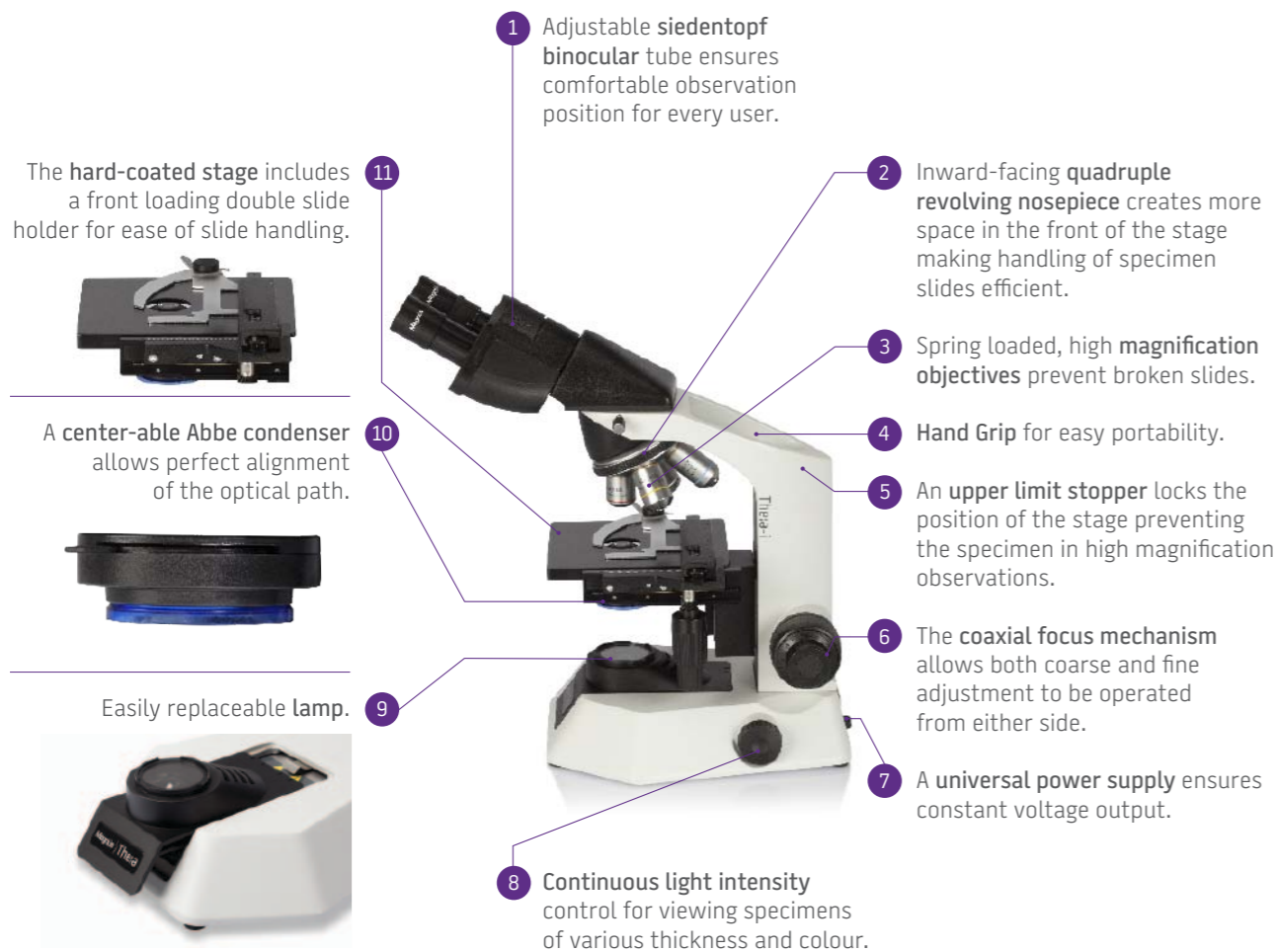


## KEY FEATURES

The functional design and the superior build quality of the Theia-i make it the ideal microscope for educational, clinical and high end applications. Its ergonomic design makes it suitable for working on the microscope for long hours without fatigue.

## OPTICAL FEATURES

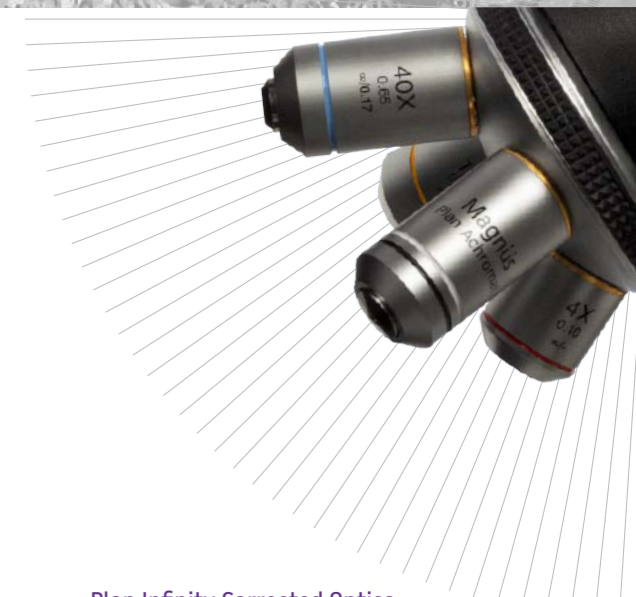
The PLAN Infinity Corrected Optics of the Theia-i produce extremely flat, clear and sharp images. The Theia-i optics are multi-layer coated to greatly enhance the light transmission and image contrast. Further, the FN 20 eyepieces provide a wider visualization of the specimen under view.



**Optics With Multi-Layer Coating**  
The multi-layer coated optics provide improved contrast to enhance images even with weak slide stainings.

**Anti-Fungus Treated Optics**  
All the optics are treated with an anti-fungus coating, preventing them from damage due to mold and fungi in hot and humid climates.

**Plan Infinity Corrected Optics**  
World class colour corrected infinity objectives provide longer working distances and higher numerical apertures improving flatness drastically and, producing sharp clear images right upto the field of view.





## ACCESSORIES

The Theia-i comes with a wide range of accessories to meet the application needs of a variety of users. From USB cameras to LED based fluorescence attachments, the accessories enhance user experience to an all new level.

## SPECIFICATIONS

The high quality mechanics and the excellent optics of the Theia-i ensure that its ready to meet the daily rigors and demanding applications of its users. The Theia-i has been developed keeping long term use and durability in mind.



1. The LED based transmitted fluorescence attachment uses a unique proprietary illumination system, allowing significant increase in performance and cost reduction. The microled comes with a choice of blue, royal blue and green LED cassettes.



2. The Trinocular Head comes with a wide range of camera adapters that allow users to mount various kinds of digital cameras onto the trinocular head of the microscope for quick and easy digital documentation.



3. The plug and play, USB powered MIPS (Microscope image projection system) attachment connects seamlessly to computers and projectors, making it the perfect tool for teaching and training applications.

4. Phase contrast attachment

5. Polarization attachment

6. Quintuple nosepiece

7. Optional Eyepiece: 15X

8. Köhler attachment

9. Optional objectives: 20X, 60X

### Dimensions (in mm)



### Body

Aluminium die cast body with all critical movements based on ball bearing and wire guides, thereby ensuring smooth and precise manipulation.

### Mechanical Stage

Co-axial low drive mechanical stage (125mm × 145mm) (+/-5mm) with traverse area of 50mm × 76mm (+/-5mm).

### Focusing System

Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus range 0.02mm.

### Condenser

Abbe condenser with aperture iris diaphragm (NA 1.25) focusable with rack and pinion through 10mm and a continuously variable iris diaphragm with a removable blue filter for daylight observation. Rack and pinion mounted condenser holder.

### Illumination

6V 20W halogen light source or high luminescent 1W LED. Universal power supply 100V-240V AC 50Hz.

### Viewing Bodies

Binocular (30° inclined siedentopf), 360° rotatable, left diopter adjustment.

### Nosepiece

Quadruple revolving nosepiece based on precision ball bearing mechanism with positive click stop.

### Objectives

Infinity corrected plan achromatic objectives: 4X /NA 0.10, 10X /NA 0.25, 40X /NA 0.65, 100X /NA 1.25.

### Optical System

Colour corrected infinity optics with anti-fungal treatment.

### Eyepieces

WF 10X (FN 20mm) paired eyepiece.





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