



Leica CME

Compound Microscope System

Great discoveries begin with vision.

Leica

Systems. Solutions. Leica.

The Vision to Create a Unique Instrument

Superior performance. Durable construction. Exclusive features. The Leica CM E has been designed with exacting attention to each and every microscope component, to create a streamlined, high performance instrument unique in its class.

The CM E is a result of Leica Microsystem's vision to design a microscope that truly meets the needs of its users. The CM E provides superior image quality, a practical and durable design with a wide range of accessories to meet a full range of life science applications – at the right price.

Leica Microsystems has built the CM E upon a company heritage stemming back to 1847, as the first company to put a modern microscope into mass production. Today, the company remains at the forefront of industry research and development, to give researchers everywhere the ability to see subjects more clearly. It's all part of Leica's visionary "system of solutions" – a philosophy that treats each customer as an individual with specific application, research, and performance demands.



Precision engineering



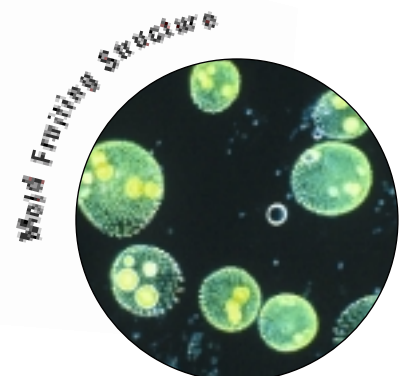
Precision design

Great discoveries begin with vision.



Nicolaus Copernicus 1473-1543

Copernicus' visionary theory on a heliocentric (sun-centered) universe was so far ahead of its time it wasn't accepted until more than 100 years after his death.





LEICA CME

1484025
160 / 0.17
E2 PLAN
40x / 0.25

13494030
160 / 0.17
E2 PLAN
40x / 0.65

OIL

10x

Superior Optics, Lasting Illumination

The vision to see images more clearly.

The CM E's optical system is designed to provide maximum image quality for a variety of applications. Features include:

- Superior, all-glass Leica **E₂** series optics provide brilliant, high-contrast imaging quality unheard of in a finite-corrected system
- Fungus and mold resistant coatings protect your investment
- Dual focus adjustments for interpupillary distance (IPD) assure parfocality
- All objectives are parfocal and parcentered to minimize refocusing
- Trinocular, binocular, monocular and teaching viewing bodies provide a 45° inclination and 360° rotation for flexibility and storage
- Standard 10x / 18mm FOV eyepieces optimize viewing field for easy, comfortable operation
- Eyepieces accommodate 21mm reticles for a variety of measuring and counting applications
- High eyepoint eyepieces and eyeguards provide comfortable, easy viewing with or without eyeglasses

The vision to illuminate.

CM E engineers balanced the demand for high performance with the need for a dependable, economical microscope. The CM E's efficient illumination system reflects this design approach:

- The CM E's illumination efficiency provides a lamp life over 20x longer (2,000 hours!) than other microscopes saving money and time
- Illumination available in 120V or 230V
- Designed to meet or exceed international safety standards
- High-intensity illumination from 20W tungsten-halogen lamp does not change color or intensity throughout the lamp's life
- Standard 1.25 N.A. slider condenser allows for oil immersion, darkfield and phase contrast applications

■ **EXCLUSIVELY LEICA**

Great discoveries begin with vision.

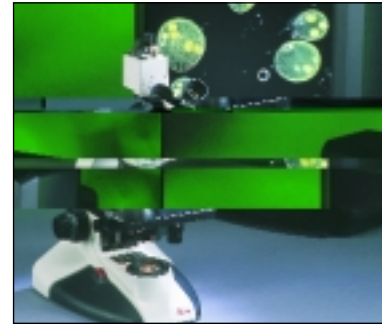


Gregor Mendel
1822-1884

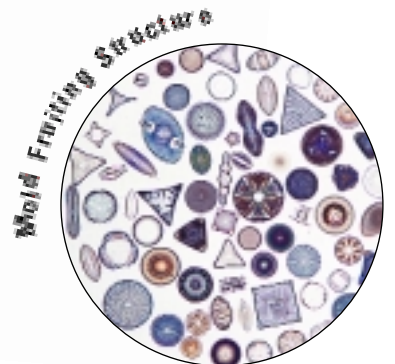
Considered the "Father of Genetics," Mendel's visionary studies of pea plants led him to develop the Laws of Heredity, the basis of modern-day genetics.



Quality Leica **E₂** series optics are compatible with **E₁** series optics



Superior critical or Koehler illumination





LEICA CME

LEICA
0520/0.17
E. ACHRO
10x / 0.27

1340010
10x / 0.27
E. ACHRO
40x / 0.65

1340010
10x / 0.27
E. ACHRO
100x / 1.25

Leica

Durable, Comfortable Design

The vision to build endurance

From top to bottom, the CM E is built to last. It's also designed to suit the demanding environment in which it will be used, with features like a cast aluminum stand which minimizes vibrations and provides durable and fatigue-free, stable operation. Other design features include:

- A self-adjusting and maintenance-free focus mechanism that prevents stage drift for the life of the instrument
- An angled lamp door to prevent accidental breakage
- A rear-facing nosepiece provides comfortable, convenient operation
- Spring-loaded, high magnification objectives
- A built-in blue filter to prevent filter loss

The vision to provide comfort and convenience

Not only does the CM E offer outstanding performance – it is also easy and comfortable to use:

- Compact design and size
- 360° rotatable, 45° viewing bodies allow flexible alignment of viewing position and space-saving storage
- Graduated mechanical stage with Vernier scales provides precise control
- All controls are positioned for easy access
- Low heat output to provide comfortable viewing and prevent injury
- Serial number plate protects your investment

The vision to provide all the extras

The CM E utilizes a wide range of accessories to suit the varied applications of its users:

- A complete offering of economical photographic and video accessories
- Full range of illumination techniques: phase contrast, polarization, darkfield and brightfield
- A unique combination wrap and lock avoids power cord loss

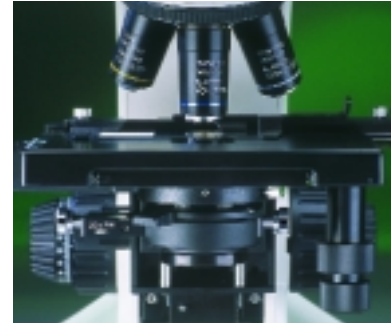
■ **EXCLUSIVELY LEICA**

Great discoveries begin with vision.



Thomas Young
1773-1829

Young's "double-slit" experiment revealed not two concentrations of light on the screen as one might expect if light were particles, but an array of concentrations that indicated the dynamics of waves.



Superb **E₂** Plan Phase Contrast optics for superior results

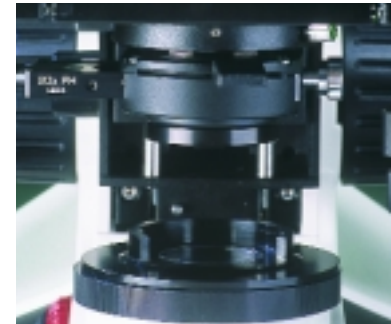
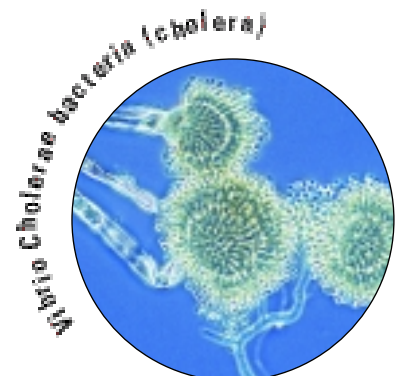


Photo and video accessories provide flexibility for demanding environments



Leica Microsystems – the brand for outstanding products

Leica Microsystem's Mission is to be the world's first-choice provider of innovative solutions to our customer's needs for vision, measurement, lithography and analysis of microstructures.

Leica, the leading brand for microscopes and scientific instruments, has grown from five brand names with a long tradition: Wild, Leitz, Reichert, Jung and Cambridge Instruments. Leica symbolizes both tradition and innovation.

Leica Microsystems – an international company with a strong network of customer services

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Microscopes

Compound
Stereo
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Measuring Microscopes

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Measurement Systems
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