



Leica F12 I

The mobile Solution for large objects in Restoration, Forensic and Industry

Living up to Life

Leica

MICROSYSTEMS

Work in comfort

(1) Simply move the rolling floor stand to your restoration object or forensic specimen on the table or wall.

(2) The three different pivot points give you the freedom of movement necessary to ideally position the stereomicroscope to the specimen. The horizontal arm can be rotated 360° around the vertical column to give you the greatest possible freedom of movement. The continuous height adjustment enables optimum adaptation to almost all conditions and situations.

The highly compact focusing arm is perfect for wall viewing as well as for working at a table. The inclinable column (3) is ideal for viewing a specimen from the side and is quickly and easily adjustable to the required angle, without tools.



Vibration free for the highest accuracy

As soon as the stand is in the desired position, the four stable castors can be easily locked in place using the foot pedals (4).

A long extension of a stand arm is usually more prone to vibration. But years of experience in innovative design for surgical microscopy, has resulted in a very stable stand with virtually no vibration.

Total freedom of movement for the best positioning

(6) Comfortably move the stereomicroscope over a wall or easel without experiencing fatigue. The extension range of the arm is approximately 1200 mm.

Brilliant illumination

(6) The modular extensions of Leica Microsystems' stereomicroscope series promote the highest flexibility to accommodate your specific work requirements.

(7) For the truest color illumination, we recommend a compatible LED illuminator from our product range. The compact and lightweight design makes it easy to integrate into the stereomicroscope and the cables simply disappear in the cable channel (5).

Uniquely adaptable

(8) The instrument fully and easily adapts to you and your work requirements. The weight of the stereomicroscope and accessories is easy to balance and once in balance, the instrument can be effortlessly moved to the correct working height using the flex-arm (5). The wide range of ergonomic accessories for our stereomicroscope line allow you to design the instrument to meet your exact physical requirements.

Cutting-edge design

(9) The Leica F12 I floor stand's modern design creates a perfect integration with the stereomicroscope for fluidity of movement and ease of use.

Many Lengths Ahead

For your health

Ergonomically designed workstations and work processes are essential for the well-being of people in the workplace. The correct design of the work environment improves motivation and the performance of employees.

Medical studies of occupational activities show that optical equipment workstations place high demands eyes, hands, and posture. Microscope workstations are as demanding for users as widely-discussed computer workstations.

Simply good for everyone

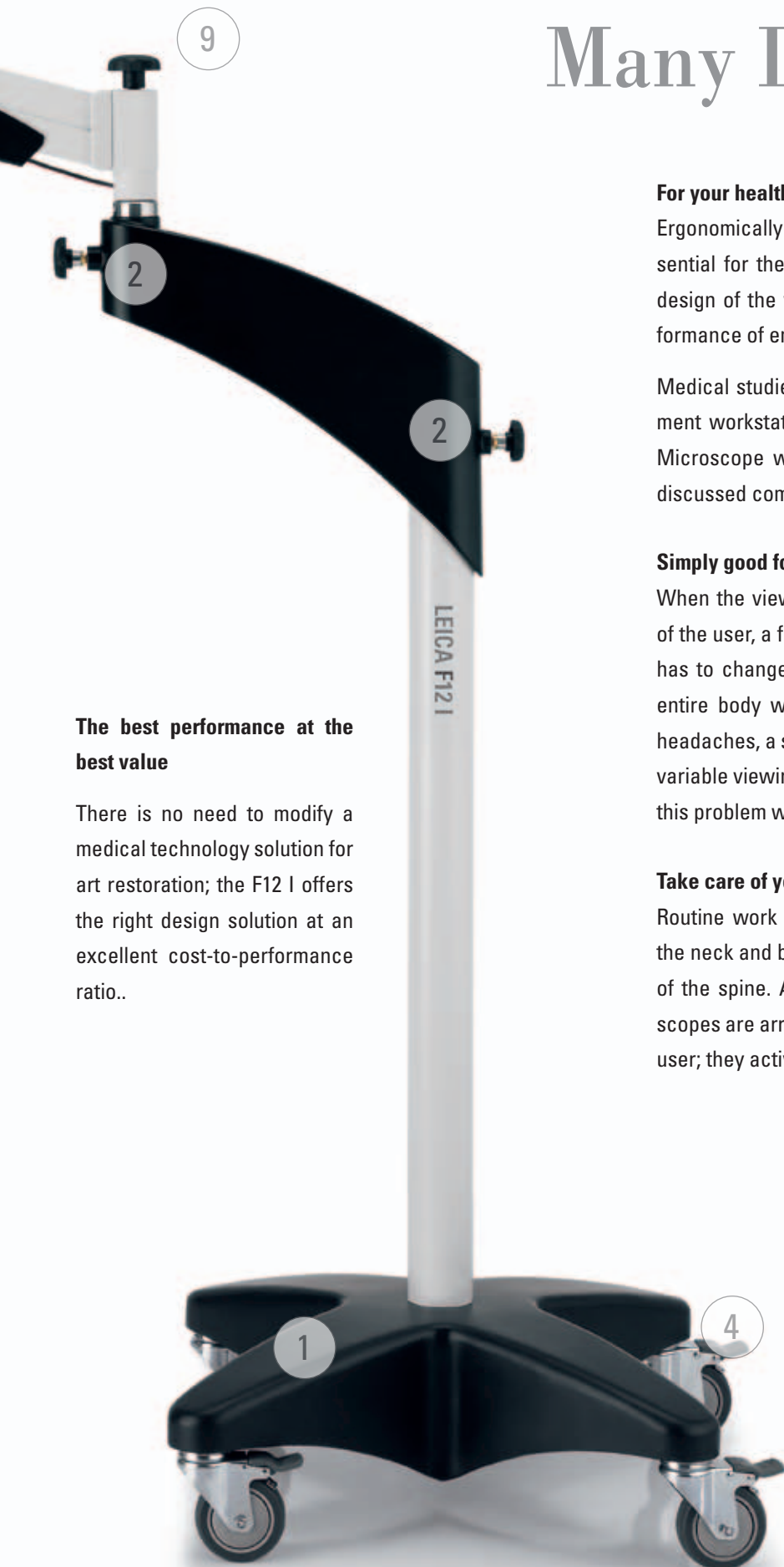
When the viewing height of a microscope is adapted to the height of the user, a few millimeters can make all the difference. If the user has to change his or her head position to use the instrument, the entire body will assume an unnatural posture, which may cause headaches, a stiff neck, and reduced work performance. A tube with variable viewing heights such as the new binocular ErgoTube solves this problem with a simple adjustment.

Take care of your back

Routine work while seated at a microscope can cause tension in the neck and back muscles, in the worst case even postural defects of the spine. All the controls of Leica Microsystems' stereomicroscopes are arranged to achieve the greatest possible comfort for the user; they actively combat muscle tension and fatigue.

The best performance at the best value

There is no need to modify a medical technology solution for art restoration; the F12 I offers the right design solution at an excellent cost-to-performance ratio..



The compact focusing arm is suitable for table and wall.

Professional

The Leica F12 I floor stand is designed specifically for routine stereomicroscopy. Find the right accessories for almost all applications here. A distinction is made between the extremely modular M series and the compact S series. The M series enables easy integration of ergonomic components and cameras.

	Leica M50	Leica M80	Leica S6	Leica S6E	Leica S8APO
Modularity	★★★★★	★★★★★	★★★	★★★	★★★
Ergonomics	★★★★★	★★★★★	★	★★★	★★★
Leica DFC microscope camera with c-mount, extensible	✓	✓			✓
Leica IC80 HD microscope camera, can be integrated	✓	✓			
Viewing angle	20 – 70° (with ergo)	20 – 70° (with ergo)	60°	38°	38°
5 different fixed magnifications	✓				
Locking zoom levels		✓			
Ideal for working at a table (instrument vertical)	★★★★★	★★★★★	★	★★★	★★★
Ideal for working at a table (instrument mostly tilted)	★★★★★ (with ergo)	★★★★★ (with ergo)	★★★	★	★
Ideal for working on the wall	★★★★★ (with ergo)	★★★★★ (with ergo)	★★★★★	★★★	★★
Recommended objectives (working distance)	0.8× (114 mm)	0.63× (148 mm)	0.75× (130 mm)	0.75× (130 mm)	0.63× (101 mm)
Resulting magnification range	5.0× – 32×	4.7× – 37.5×	4.7× – 30×	4.7× – 30×	6.3× – 50.4×

Compact

The overview below lets you quickly compare individual features. We recommend a maximum magnification of 40 – 50×, as with higher magnifications, floor stands normally exhibit more vibration. Experience shows that working at 20 – 40× magnification is best.



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Leica M80 with LED3000 NVI (vertical illumination) and IC80 HD microscopy camera



Leica S series with LED1000 HiPower spotlight combi controller and focusing arm.



As Beautiful as Ever

The work of art restoration carries great responsibility; the very existence of centuries-old treasures are placed in the capable hands of the restorer. High demands are not only placed on the restorer but also on the tools required to successfully carry out the restoration. One important tool is the stereomicroscope used for three-dimensional magnification of the structures to be examined.

The Leica F12 I floor stand provides great flexibility.

The dimensions of paintings, sculptures and other works of art vary greatly. The high flexibility offered by our stereomicroscopes allows them to be comfortably and easily moved over a work table, wall or easel thanks to the new Leica F12 I floor stand.

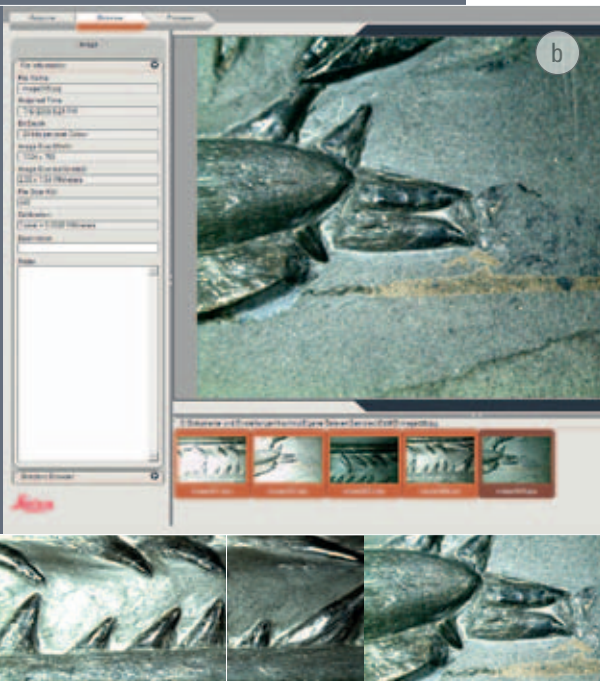
Leica LED illumination puts the best light on your treasures

When restoring paintings, it is critical for colors to be displayed correctly. The new Leica LED illuminators provide color temperature in daylight-like quality for the most accurate results. And, the compactness of the LEDs allow a clear view of the objects to be examined. Leica LED technology supplies a lifetime of at least 20,000 hours (up to 25 years) and there is no UV or infrared radiation to potentially harm priceless works of art. The vibration and noise-free Leica LED illuminators promote maximum concentration over long working sessions.

Documenting the work from beginning to end

The new, compact Leica IC80 HD microscope camera can be integrated between the zoom optics and tube. The camera offers an HDMI output for displaying images on a monitor in Full HD.

This enables two restorers to discuss the plan to proceed. Another convenient feature is the ability to store images directly to the SD card without having to use a computer.



Specifications

Type	Compact floor stand with 4 castors that can be locked into place
Dimensions of the base	608 × 608 mm
Maximum load	6.5 kg (at the holder)
Load capacity	1.5 – 6.5 kg (at the holder)
Maximum horizontal extension	1224 mm
Vertical travel range of the flex-arm	500 mm
Minimum instrument height (for transport)	1680 mm
Stand weight	approx. 100 kg (without attachments)
Interface to focusing arms/drives:	5/8" (15.8 mm)
Interface for illuminators	M6 thread for LED1000 combi controller

Order number for Leica F12 I floor stand 10 450 290

- 1 - To complete your new instrument, you also need other attachments from the Leica M series stereomicroscopes
- 2 - To complete your new instrument, you also need other attachments from the Leica S series stereomicroscopes
- 3 - To complete your new instrument, you also need other attachments from the LED1000 illumination product range

