

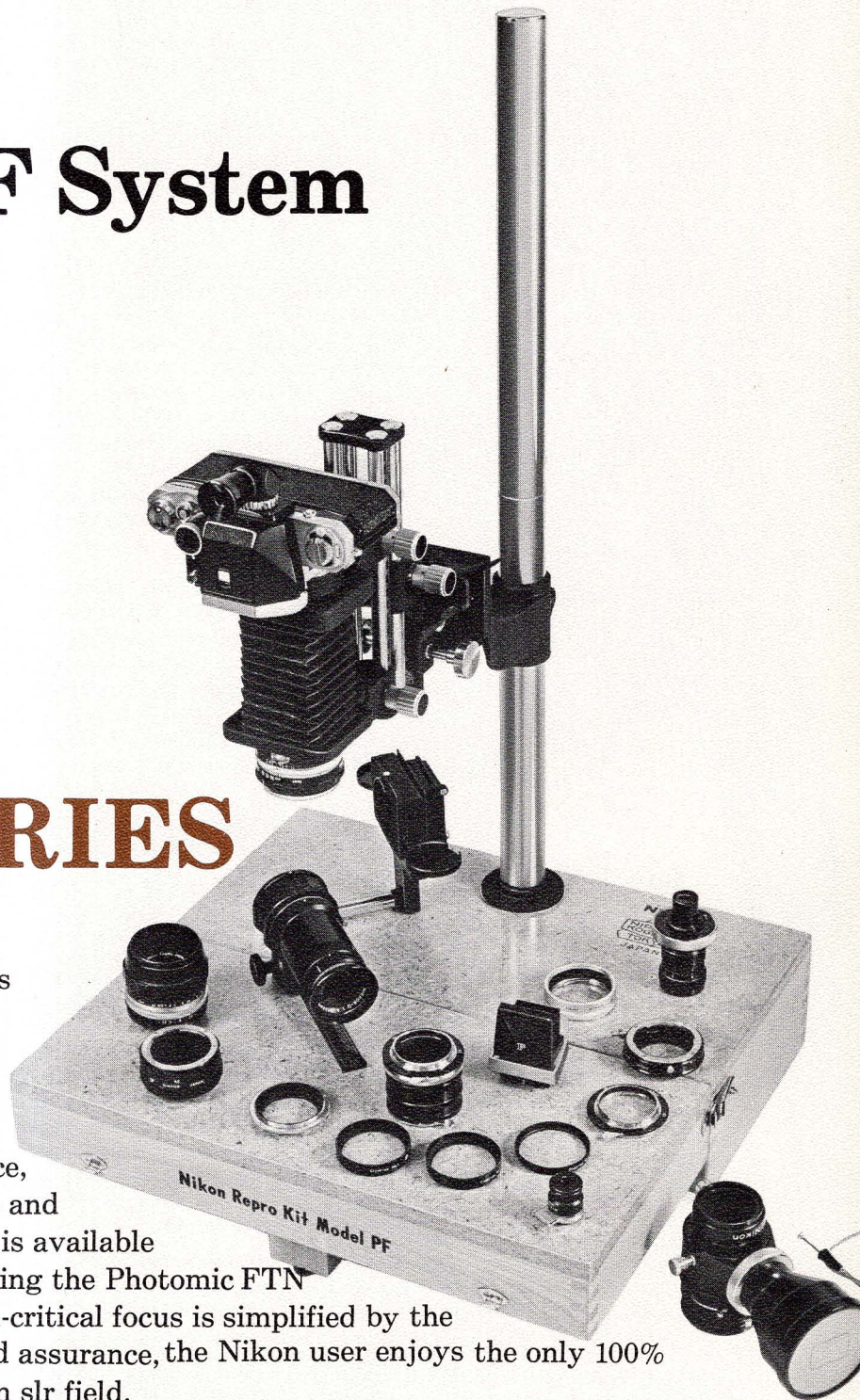
The Nikon F System

CLOSEUP MACRO & MICRO ACCESSORIES

In the exacting area of closeup photography, the unique advantages of the Nikon F assume special significance. Interchangeability of finders and finder screens provide an unmatched capacity to suit any requirements and preference, in any application. The convenience and reliability of thru-the-lens metering is available even for vertical viewing by combining the Photomic FTN with the Right Angle Finder.* Ultra-critical focus is simplified by the Eyepiece Magnifier.* And, for added assurance, the Nikon user enjoys the only 100% accurate finder system in the 35mm slr field.

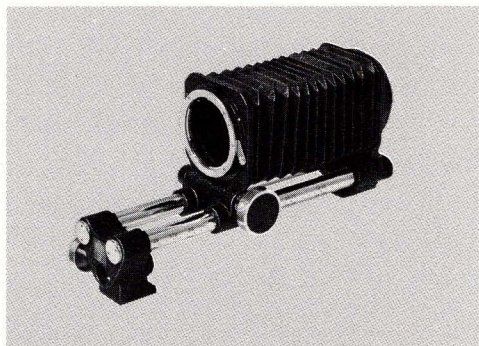
Most Nikkor lenses can be used with one or another of the closeup accessories. Some lenses, however, are better suited for this application than others. The 50mm Auto-Nikkor f2 lends itself to successful closeup work with any accessory. Where highest possible resolution is paramount, the 55mm Micro Auto-Nikkor will be found to surpass the highest requirements. There is also the Medical Auto-Nikkor — a complete self-contained system for closeup work.

All accessories described may be used with Nikkormat as well as Nikon slr cameras.



BELLOWS FOCUSING ATTACHMENTS

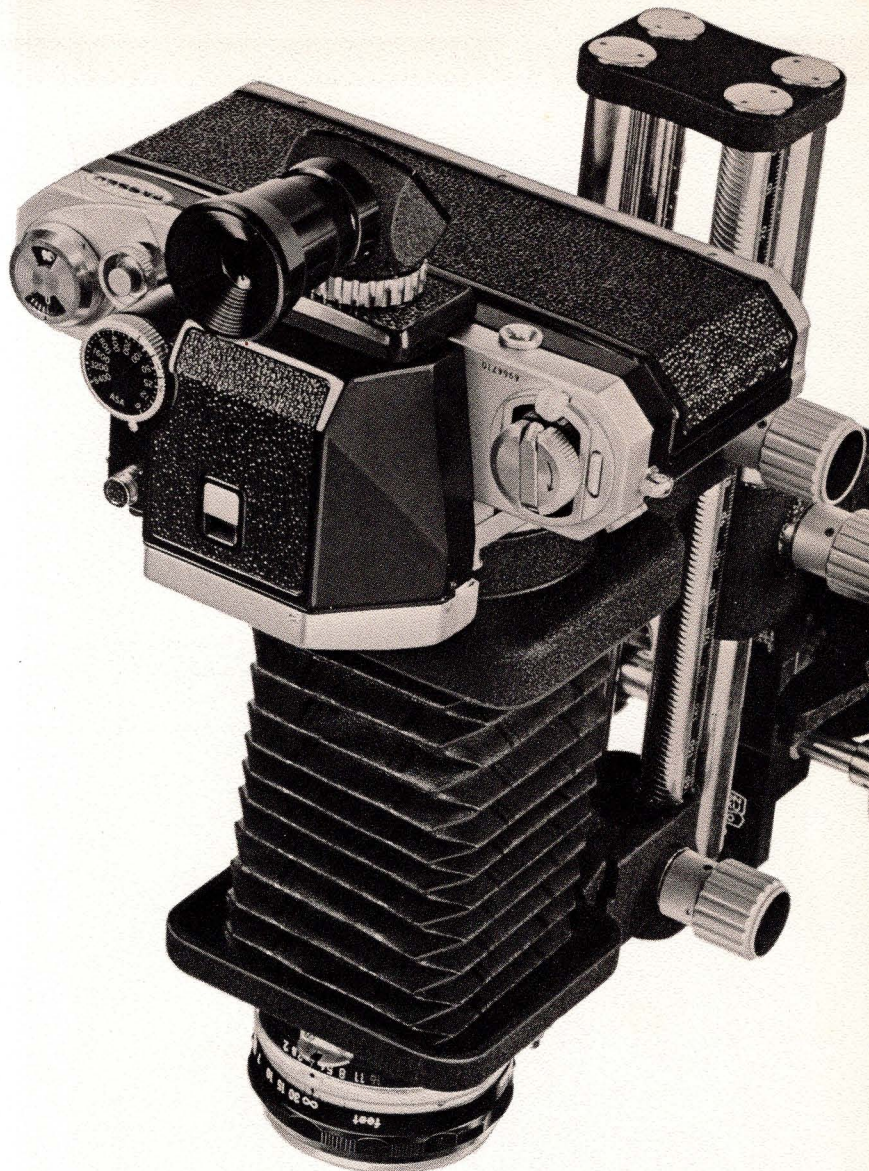
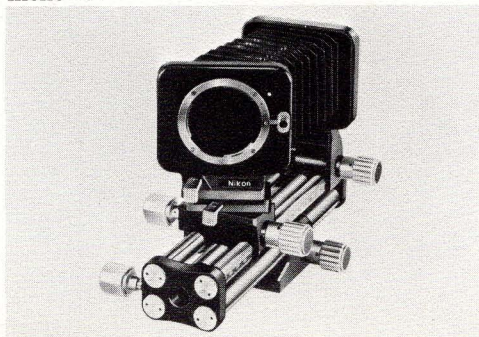
Most flexible of all closeup accessories. Bellows Attachments provide continuously variable magnification over a wide range and can be used with all current Nikkor lenses. **Model II** (Product No. 2600) — With 50mm f2 lens used in normal position, reproduction ratios range from 1:1 (life size) to 3.7x magnification; with lens reversed, using BR-2 adapter, from 1.5x to 4.4x. The dual track bed of this Bellows Attachment has its own tripod socket. Rotating camera mount permits both horizontal and vertical format. Accepts Slide Copying Attachment II.



Model III (Product No. 2601) — Offers wide-ranging closeup capabilities at modest cost. Precision rack-and-pinion system and dove-tailed fitting between slide track and lens standard groove assures steady, smooth focus control. Track has millimeter calibrations which simplify calculation of reproduction ratios and exposure factors. Magnification ranges from 0.6x to 2.8x with 50mm lens in normal position. Weighs just 8½ oz.



Model IV (Product No. 2602) — Provides maximum closeup versatility, with front tilts and swings for controlling perspective and depth-of-field. Can be focused by moving either camera body or lens standard. Dual twin-track design also permits back-and-forth movement of entire camera-bellows-lens assembly without changing lens-to-film distance. Camera can be positioned for horizontal or vertical shots anywhere on track. Magnification range with 50mm f2 lens in normal position is 1/1.2 to 3.6x; with lens reversed (using BR-2 adapter), 1.6x to 4.4x. Front swings 25° and shifts 10mm, both each way. Accepts Slide Copying Attachment IV.

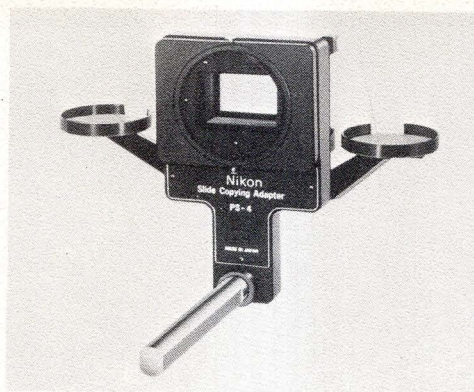


REPRO-COPY OUTFIT — Converts camera into a completely integrated close up system for reproducing flat copy or photographing small objects and specimens. The outfit consists of a sturdy 2-piece upright column, sliding arm and camera bracket.

May be used with Extension Tubes, Bellows Attachments, Closeup Lenses, Microflex, or other special accessories. The mounting bracket on the sliding arm swings 90° and can be locked in any position for photographing material mounted on a wall, as well as on the baseboard.

Model PFB (Product No. 2751) is supplied with hardwood baseboard.

Model PFC (Product No. 2750) includes carrying case which unfolds to serve as baseboard.



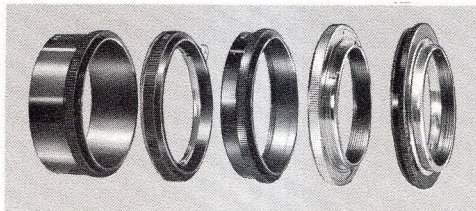
SLIDE COPYING ATTACHMENTS Model II (Product No. 2632)—Simple and accurate means for duplicating 35mm transparencies and negatives. Used in combination with the Bellows Attachment Model II, accepts both mounted slides and film strips. In addition to 1:1 duplicating, it also permits enlarging a section of a transparency to full 35mm format. For this purpose, the lens is attached in reverse, using BR-2 and BR-3 adapters..

Model IV (Product No. 2633)—Similar to Model II, but for use with Model IV Bellows. Film holder frame can be shifted 6mm vertically and 9mm horizontally to permit cropping. Selected copying area can be magnified up to 4.4x, using 50mm f2 lens reversed, with BR-2 and BR-3 adapters. Bellows fold into attachment when not in use.



BR-2 LENS REVERSING RING (Product No. 2630)—Permits any lens with 52mm front thread* to be mounted in reverse position on all 3 Bellows Attachments. Provides optimum lens performance at reproduction ratios greater than 1:1. Also convenient for on-the-spot closeups when mounted directly on camera, with lens reversed.

BR-3 ADAPTER (Product No. 2629)—Permits use of Slide Copying Attachment with 50mm lens in reversed position on Bellows.



MODEL K EXTENSION TUBE SET (Product No. 2710)—Comprises 5 tubes which can be used in various combinations to add extensions from 5.8 to 46.6mm between camera body and lens. Accepts any current Nikkor lens from 20mm through 300mm. May be combined with bellows or Model E2 tube for greater magnification. Supplied with leather case.



MODEL E2 EXTENSION TUBE (Product No. 2720)—This convenient close up device is inserted between camera body and lens, adding an extension of 14mm. It accepts any current Nikkor lens from 20mm up. When used with Auto-Nikkors, the built-in plunger is depressed to open the lens to full aperture for viewing and focusing. Releasing the plunger stops the lens down to 'taking' aperture. The plunger accepts a Nikon cable release. E2 Tube may be used in conjunction with Bellows Attachments or Model K Extension Tube Set to provide semi-automatic diaphragm control with these accessories, or for greater magnification.



AUXILIARY CLOSEUP LENSES—Supplementary meniscus lenses in 52mm screw-in mounts* readily adapt Nikon F for copying and closeup work. They require no exposure increase and do not interfere with automatic diaphragm action. Available in three progressively increasing powers: No. 0 (0.7 diopter), No. 1 (1.5 diopters) and No. 2 (3 diopters). May also be used in combination and in conjunction with extension tubes or bellows attachments.

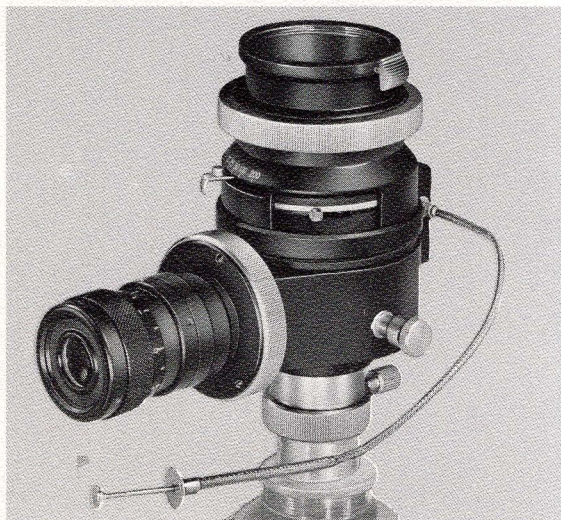


BELLOWS NIKKOR 135mm f4 (Product No. 165)—Mounts directly on Bellows Attachment. Specifically designed for this purpose. With Models II and IV Bellows, reproduction range is continuously variable from infinity to 1:1; with Model III Bellows from infinity to 0.7x magnification.

*52mm screw-in fits all current lenses from 24 to 200mm except Medical Nikkor.

Photomicrographic Accessories

While most widely known for its cameras and lenses, Nikon is also one of the world's foremost manufacturers of high-quality microscopes. The firsthand knowledge and experience developed by Nikon in both fields is evident in the precision and refinements exhibited by these accessories.



MICROFLEX 804 — Embodies its own image-forming optics, shutter mechanism and viewing system. Reduces overall magnification by one-half. Supplied with focusing ocular eyepiece for high-power photomicrography, and interchangeable ground-glass screen and 7x magnifier for low-power work. The screen also offers advantages in teaching and other group viewing applications.

The Microflex has an internal prism system which diverts the microscope image into the viewing eyepiece or onto the viewing screen. The exposure is made with conventional cable release which swings the prism out of the camera path, and trips the shutter. All of the light reaches the film. Shutter speeds range from 1 second to 1/300th plus "bulb" and "time" for prolonged exposures. There is also provision for synchronized flash.

M35-S CAMERA BODY (Product No. 801) Can be used with Microflex, in place of Nikon or Nikkormat body. Contains film transport and counter with dark slide.

MICROSCOPE ADAPTER #811 — This attachment utilizes the viewing system and shutter of the Nikon F. It adapts the camera to any standard microscope. It has a Type C viewfinder screen to replace the one being used in the Nikon F camera. Reproduction is one-half of the microscope's magnification. Model for Nikkormat slr (without finder screen), #816.



Specifications subject to change without notice.

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