



# EMTR Series

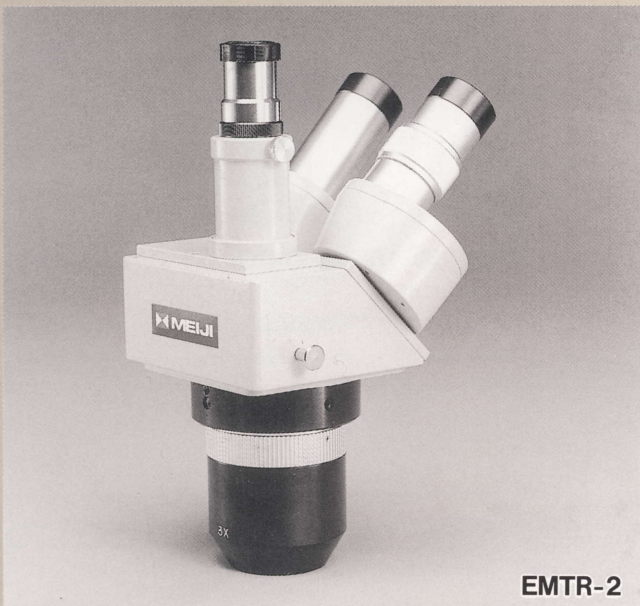
## TRINOCULAR STEREO BODY

MEIJI TECHNO EMTR Series is not only a two magnification type stereo microscope body with turret mounted objective pairs, but also provides a photo tube for use in television and photographic applications.

When the photo prism is drawn into the optical path, 100% of the light is directed to the photo tube and the image can still be examined visually through the right-hand eyepiece.

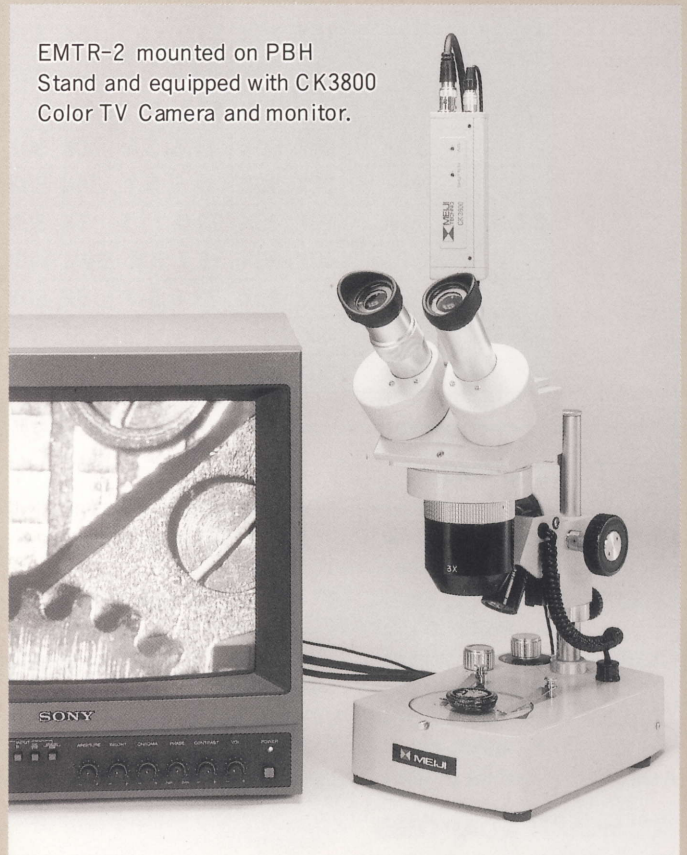
- Crisp, erect image with flat, widefield of view and long working distance.
- Paired widefield objectives in a turret mount for rapid selection of magnification.
- Binocular tubes with an inclination of 45° for ease of observation.
- Trinocular body can be rotated a full 360° and locked in any position.
- Interpupillary distance adjustment from 54mm to 75mm.
- Dioptic adjustment is possible on the left eyepiece tube.
- Vertical photo tube is provided for easy compatibility with CCTV or photographic system.

IT PROVIDES COMPLETE VERSATILITY AND MOUNTING COMPATIBILITY WITH THE PRESENT LINEUP OF MEIJI TECHNO EMT SERIES STEREO MICROSCOPE ACCESSORIES.



EMTR-2

EMTR-2 mounted on PBH Stand and equipped with CK3800 Color TV Camera and monitor.



### ORDERING INFORMATION

| MODEL  | OBJECTIVES | EYEPIECES       |
|--------|------------|-----------------|
| EMTR-1 | 1X and 2X  | SWF 10X, paired |
| EMTR-2 | 1X and 3X  | SWF 10X, paired |
| EMTR-3 | 2X and 4X  | SWF 10X, paired |
| EMTR-4 | 1X and 4X  | SWF 10X, paired |



### EYEPIECES & EYESHIELDS

- MA501** SWF5X Super widefield, paired, Field No. 26
- MA502** SWF10X Super widefield, paired, Field No. 23
- MA519** SWF10X Focusing eyepiece
- MA520** SWF12.5X Super widefield, paired, Field No. 20
- MA503** SWF15X Super widefield, paired, Field No. 15.4
- MA535** HSWF15X Super widefield, high eyepoint, paired, Field No. 16
- MA504** SWF20X Super widefield, paired, Field No. 11.5
- MA521** SWF30X Super widefield, paired, Field No. 7.7
- MA600** New Eyeshield, paired

### SUPPLEMENTARY LENSES

- MA518** Supplementary lens 0.5X for EMTR-2, EMTR-3 & EMTR-4 (MA515 Adapter is needed to use MA518 on EMTR-2)
- MA527** Supplementary lens 0.75X for EMTR-2, EMTR-3 & EMTR-4 (MA515 Adapter is needed to use MA527 on EMTR-2)
- MA513** Supplementary lens 1.5X for EMTR-2, EMTR-3 & EMTR-4 (MA515 Adapter is needed to use MA513 on EMTR-2)
- MA514** Supplementary lens 2X for EMTR-2, EMTR-3 & EMTR-4 (MA515 Adapter is needed to use MA514 on EMTR-2)
- MA515** Adapter for EMTR-2 (use to attach MA518, MA527, MA513 & MA514 on EMTR-2)

### EMTR Series OPTICAL DATA

| MODEL  | OBJECTIVE | EYEPIECES<br>SUPPLEMENTARY LENS | SWF10X     |                 | SWF15X      |                 | SWF20X     |                 | SWF30X     |                 | Working Distance (mm) |
|--------|-----------|---------------------------------|------------|-----------------|-------------|-----------------|------------|-----------------|------------|-----------------|-----------------------|
|        |           |                                 | Total mag. | Field Diam (mm) | Total mag.  | Field Diam (mm) | Total mag. | Field Diam (mm) | Total mag. | Field Diam (mm) |                       |
| EMTR-1 | 1X, 2X    | —                               | 10X, 20X   | 23.0, 11.5      | 15X, 30X    | 15.3, 7.7       | 20X, 40X   | 11.5, 5.8       | 30X, 60X   | 7.6, 3.8        | 108                   |
| EMTR-2 | 1X, 3X    | —                               | 10X, 30X   | 23.0, 7.7       | 15X, 45X    | 15.3, 5.1       | 20X, 60X   | 11.5, 3.8       | 30X, 90X   | 7.6, 2.5        | 81                    |
|        |           | 0.5X                            | 5X, 15X    | 46.0, 15.3      | 7.5X, 22.5X | 30.6, 10.2      | 10X, 30X   | 23.0, 7.6       | 15X, 45X   | 15.3, 5.1       | 96                    |
| EMTR-3 | 2X, 4X    | 2.0X                            | 20X, 60X   | 11.5, 3.8       | 30X, 90X    | 7.6, 2.5        | 40X, 120X  | 5.7, 1.9        | 60X, 180X  | 3.8, 1.2        | 21                    |
|        |           | —                               | 20X, 40X   | 11.5, 5.7       | 30X, 60X    | 7.6, 3.8        | 40X, 80X   | 5.7, 2.8        | 60X, 120X  | 3.8, 1.9        | 63                    |
|        |           | 0.5X                            | 10X, 20X   | 23.0, 11.5      | 15X, 30X    | 15.3, 7.6       | 20X, 40X   | 11.5, 5.7       | 30X, 60X   | 7.6, 3.8        | 96                    |
| EMTR-4 | 1X, 4X    | 2.0X                            | 40X, 80X   | 5.7, 2.8        | 60X, 120X   | 3.8, 1.9        | 80X, 160X  | 2.8, 1.4        | 120X, 240X | 1.9, 0.9        | 21                    |
|        |           | —                               | 10X, 40X   | 23.0, 5.7       | 15X, 60X    | 15.3, 3.8       | 20X, 80X   | 11.5, 2.8       | 30X, 120X  | 7.6, 1.9        | 63                    |
|        |           | 0.5X                            | 5X, 20X    | 46.0, 11.5      | 7.5X, 30X   | 30.8, 7.6       | 10X, 40X   | 23.0, 5.7       | 15X, 60X   | 15.4, 3.8       | 96                    |
|        |           | 2.0X                            | 20X, 80X   | 11.5, 2.8       | 30X, 120X   | 7.6, 1.9        | 40X, 160X  | 5.7, 1.4        | 60X, 240X  | 3.8, 0.9        | 21                    |

## TV EQUIPMENT

### CCD TV CAMERAS

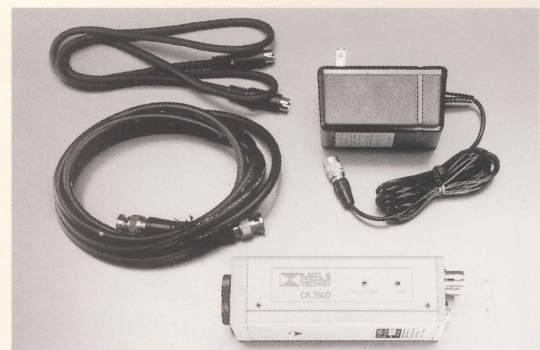
A separate "C" mount adapter is required to connect the CCD TV camera to the microscope.

- MK300N** CCD B/W TV camera, 1/2" CCD, 570 TV lines of horizontal resolution, NTSC system, with 115V-DC12 adapter
- MK300P** CCD B/W TV camera, 1/2" CCD, 570 TV lines of horizontal resolution, PAL system, with 220V-DC12 adapter
- CK3800N** CCD Color TV camera, 1/2" CCD, 450 TV lines of horizontal resolution, NTSC system, with 115V-DC12V adapter
- CK3800P** CCD Color TV camera, 1/2" CCD, 450 TV lines of horizontal resolution, PAL system, with 220V-DC12V adapter

A detailed catalog of the CK3800 CCD Color TV camera is available upon request.

### "C" MOUNT ADAPTERS

- MA151/5N** "C" mount adapter to connect EMTR-1, EMTR-2, EMTR-3, EMTR-4 to TV camera.
- MA151/35/15** "C" mount adapter with 1.0X lens (for use with existing photo tubes of EMTR-1, EMTR-2, EMTR-3, EMTR-4)
- MA151/35/20** "C" mount adapter with 0.7X lens (for use with existing photo tubes of EMTR-1, EMTR-2, EMTR-3, EMTR-4)
- MA151/35/25** "C" mount adapter with 2.5X lens (for use with existing photo tubes of EMTR-1, EMTR-2, EMTR-3, EMTR-4)



### CK3800 1/2" CCD COLOR TV CAMERA

Comprises:

- CK3800 color TV camera ..... 1pc
- AC Adapter ..... 1pc
- BNC Cable, 3M long ..... 1pc
- S Cable, 3M long ..... 1pc

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