

# Mantis ERGO

## Stereo Inspection Microscope



### article list



*\*image for illustration only*

#### System components

##### Heads

1	MRH001	ERGO Head	Stereo optical head with expanded exit pupil technology. Requires objective and stand. Includes: PSU (multi-plug), User guide on USB, Glare hood.
2	MRH002	ERGO UV Head	Stereo optical head with expanded exit pupil technology. Incorporates swichable white/UV illumination. Requires objective and stand. Includes: PSU (multi-plug), User guide on USB, Glare hood.

##### Stands

3	MTB200	Verso Arm	Counterbalanced lift and lower focus. Includes: Mounting post and clamp, cable tidy, dust cover, head mounting fixings.
4	MTB201	Verso Forearm Extension	Extension for Verso arm adding 250mm reach and extra pivot point. Includes: Power extension cable, cable tidy, head mounting fixings.
5	MTB210	Stabila column	Counterbalanced column for PIXO, ERGO and IOTA. Includes: Dust cover, cable tidy, head mounting fixings.
6	MTB211	Stabila Plain Base – No Substage	Plain base to mount Stabila column. Includes: Mounting screws, two sided stage plate
7	MTB212	Stabila Illuminated Base – With Substage	Illuminated base to mount Stabila column. Includes: Mounting screws, power transfer cable, stage glass holder and stage glass.

##### Objectives

MTO003	ERGO x3 Objective Lens	Working distance 100 mm
MTO004	ERGO x4 Objective Lens	Working distance 100 mm
MTO006	ERGO x6 Objective Lens	Working distance 68 mm
MTO008	ERGO x8 Objective Lens	Working distance 60 mm
MTO010	ERGO x10 Objective Lens	Working distance 54 mm
MTO015	ERGO x15 Objective Lens	Working distance 40 mm
MTO007	ERGO SLWD Objective 6x	Working distance 114 mm
MTO009	ERGO SLWD Objective 8x	Working distance 113 mm

##### Optional accessories

MTA310	Protection caps for X3, X4, X6, X8, X10 PIXO & ERGO Objectives	Push on to prevent damage from condensation of vapour, flux or clash with tools. Compatible with: X3, X4, X6, X8, X10 objectives. Includes: One holder, three replaceable glass covers
MTA312	Protection caps for X6 SLWD & X8 SLWD Objectives	Push on to prevent damage from condensation of vapour, flux or clash with tools. Compatible with: SLWD objectives. Includes: One holder, three replaceable glass covers
MTB220	Pilot Stage	Auto-locking X-Y stage compatible with Stabila plain and illuminated bases. Includes: stage glass, mounting screws and standoff fixings
TMB001	Contrast Enhancing Base	Tilting mirror base for all inspections systems to enhance contrast in transparent or translucent samples. Includes: PSU.
MTA350	EPI Illumination	Episcopic illumination with a light beam along the optical path, incl. power supply unit
MTA351	Spacer assembly x3, x4 Objective, EPI Illumination	Adapter for mounting the EPI illumination for x3, x4 lenses
MTA352	Spacer assembly x6 Objective, EPI Illumination	Adapter for mounting the EPI illumination for x6 lenses
MTA353	Spacer assembly x8 Objective, EPI Illumination	Adapter for mounting the EPI illumination for x8 lenses
MTA354	Spacer assembly x10 Objective, EPI Illumination	Adapter for mounting the EPI illumination for x10 lenses
MTA330	Power Supply, 12V 3A	Multi socket adapter for different regions. Types: A, C, G, I

<b>CAB6041</b>	<b>Power Extension Cable</b>	Adds 1m to the cable length
<b>MTA360</b>	<b>Dust Cover</b>	Dust cover to protect the system
<b>TSG001</b>	<b>Tilting stage – plain top plate</b>	Tiltable + height adjustable subject holder with plain high grip top.
<b>TSG002</b>	<b>Tilting stage – tapped top plate</b>	Tiltable + height adjustable subject holder with tapped holed for mounting subjects.
<b>TSG012</b>	<b>Tilting stage – plain and tapped top plates</b>	Tiltable + height adjustable subject holder. Supplied with tapped holed and plain high grip tops.

#### Examples of complete systems

<b>SMR200</b>	<b>MANTIS ERGO with "Verso Universal Stand"</b> Stereo optical head MRH001 (without lenses) incl. LED surface illumination, Verso arm MTB200, dust cover MTA360, power supply MTA330
<b>SMR201</b>	<b>MANTIS ERGO with "Verso Universal Stand" incl. extension</b> Stereo optical head MRH001 (without lenses) incl. LED surface illumination, Verso arm MTB200/MTB201, dust cover MTA360, power supply MTA330
<b>SMR211</b>	<b>MANTIS ERGO with "Stabila Stand"</b> Stereo optical head MRH001 (without lenses) incl. LED surface illumination, Stabila column MTB210, plain base MTB211, dust cover MTA360, power supply MTA330
<b>SMR212</b>	<b>MANTIS ERGO with "Stabila Stand" incl. substage illumination</b> Stereo optical head MRH001 (without lenses) incl. LED surface illumination, Stabila column MTB210, plain base MTB212, dust cover MTA360, power supply MTA330

#### Variations | UV-Illumination

<b>SMRV200</b>	<b>MANTIS ERGO UV with "Verso Universal Stand"</b> Stereo optical UV-head MRH002 (without lenses) incl. LED surface illumination, Verso arm MTB200, dust cover MTA360, power supply MTA330
<b>SMRV201</b>	<b>MANTIS ERGO UV with "Verso Universal Stand" incl. extension</b> Stereo optical UV-head MRH001 (without lenses) incl. LED surface illumination, Verso arm MTB200/MTB201, dust cover MTA360, power supply MTA330
<b>SMRV211</b>	<b>MANTIS ERGO UV with "Stabila Stand"</b> Stereo optical UV-head MRH002 (without lenses) incl. LED surface illumination, Stabila column MTB210, plain base MTB211, dust cover MTA360, power supply MTA330
<b>SMRV212</b>	<b>MANTIS ERGO UV with "Stabila Stand" incl. substage illumination</b> Stereo optical UV-head MRH002 (without lenses) incl. LED surface illumination, Stabila column MTB210, plain base MTB212, dust cover MTA360, power supply MTA330