

Mantis IOTA

Stereo Inspection Microscope



article list



**image for illustration only*

System components

Heads

1	MIH001	IOTA Head	Stereo optical head with expanded exit pupil technology. Requires objective and stand. Includes: PSU (multi-plug), user guide on USB, glare hood.
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Stands

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

MTO103	IOTA x3 Objective Lens	Working distance 104mm
MTO104	IOTA x4 Objective Lens	Working distance 108mm
MTO106	IOTA x6 Objective Lens	Working distance 74mm
MTO108	IOTA x8 Objective Lens	Working distance 61mm

Optional accessories

MTA311	Protection caps for X3, X6, X8 IOTA Objectives	Push on to prevent damage from condensation of vapour, flux or clash with tools. Compatible with: X3, X6, X8. Includes: One holder, three replaceable glass covers
MTA313	Protection caps for X4 IOTA Objectives	Push on to prevent damage from condensation of vapour, flux or clash with tools. Compatible with: X4. 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.
MTA330	Power Supply, 12V 3A	Multi socket adapter for different regions. Types: A, C, G, I
CAB6041	Power Extension Cable	Adds 1m to the cable length
MTA360	Dust Cover	Dust cover to protect the system
TSG001	Tilting stage – plain top plate	Tiltable + height adjustable subject holder with plain high grip top.
TSG002	Tilting stage – tapped top plate	Tiltable + height adjustable subject holder with tapped holed for mounting subjects.
TSG012	Tilting stage – plain and tapped top plates	Tiltable + height adjustable subject holder. Supplied with tapped holed and plain high grip tops.

Examples of complete systems

SMI200	MANTIS IOTA "Verso Universal Stand" Head MIH001 (without lenses) and LED surface illumination, Verso arm MTB200, dust cover MTA360, power supply MTA330
SMI201	MANTIS IOTA "Verso Universal Stand" incl. extension Head MIH001 (without lenses) and LED surface illumination, Verso arm MTB200/MTB201, dust cover MTA360, power supply MTA330
SMI211	MANTIS IOTA "Stabila Stand" Head MIH001 (without lenses) and LED surface illumination, column MTB210, plain base MTB211, dust cover MTA360, power supply MTA330
SMI212	MANTIS IOTA "Stabila Stand" incl. substage illumination Head MIH001 (without lenses) and LED surface illumination, column MTB210, plain base MTB212, dust cover MTA360, power supply MTA330