

How a Complete Mantis System is Built

A Mantis system requires:

1. One Microscope Head (PIXO, ERGO, or IOTA)
2. One Stand Option (Verso Arm OR Column/Base option)
3. At least one Objective Lens

🔗 PIXO heads can also add optional imaging components.

Step 1 – Choose Your Head

Head Type	Vision SKU	Notes
PIXO	MPH001 MPH003	Top of the line stereo head with integrated HD camera. (Standard or White/UV) Works with PIXO/ERGO lenses + optional imaging components.
ERGO	MRH001 MRH002	Mid-teir stereo head for high quality optical inspection. (Standard or White/UV) Works with PIXO/ERGO lenses
IOTA	MIH001	Compact stereo head perfect for rework stations and basic inspection. Uses IOTA lenses only.

Step 2 – Choose a Stand Option

Stand Type	Vision SKU	Notes
Stabila Column	MTB210	Column for Mantis heads (requires MTB211 or MTB212)
Stabila Plain Base	MTB211	Plain Base (requires MTB210)
Stabila Illuminated Base	MTB212	Illuminated Base (requires MTB210)
Verso Arm	MTB200A	Flexible positioning arm. By far our most popular stand option!
Verso Forearm Ext.	MTB201A	Extends reach of Verso Arm
Pilot Stage	MTB220	Floating stage (compatible with MTB211 or MTB212)

Step 3 – Choose Lenses

Lens Type	Vision SKU	Magnification / Compatibility
PIXO & ERGO Lens	MT0003	3.0x – PIXO & ERGO Only
PIXO & ERGO Lens	MT0004	4.0x – Most common lens for general inspection - PIXO & ERGO Only
PIXO & ERGO Lens	MT0006	6.0x – Best for component level inspection/rework - PIXO & ERGO Only
PIXO & ERGO Lens	MT0008	8.0x – PIXO & ERGO Only
PIXO & ERGO Lens	MT0010	10x – PIXO & ERGO Only (not suited for Verso Arm)
PIXO & ERGO Lens	MT0015	15x – PIXO & ERGO Only (not suited for Verso Arm)
PIXO & ERGO Co-planar Lens	OBK121	3X Co-planar objective with light adapters - PIXO & ERGO Only
PIXO & ERGO Co-planar Lens	OBK122	4X Co-planar objective with light adapters - PIXO & ERGO Only
PIXO & ERGO Co-planar Lens	OBK123	6X Co-planar objective with light adapters - PIXO & ERGO Only
PIXO & ERGO Co-planar Lens	OBK124	8X Co-planar objective with light adapters - PIXO & ERGO Only
IOTA Lens	MT0103	3.0x – IOTA Only
IOTA Lens	MT0104	4.0x – Most common lens for general inspection - IOTA Only
IOTA Lens	MT0106	6.0x – Best for component level inspection/rework – IOTA Only
IOTA Lens	MT0108	8.0x – IOTA Only

Additional Components (PIXO Only)

	Vision SKU	Notes
Microscope Controller	CAM-040	Microscope Controller (PC) for Image Capture
HD Monitor	CAM-028	HD Monitor, 22" (HDMI Input)
DimensionOne Software	VIS003	Advanced software for image capture, annotation & on-screen measurements