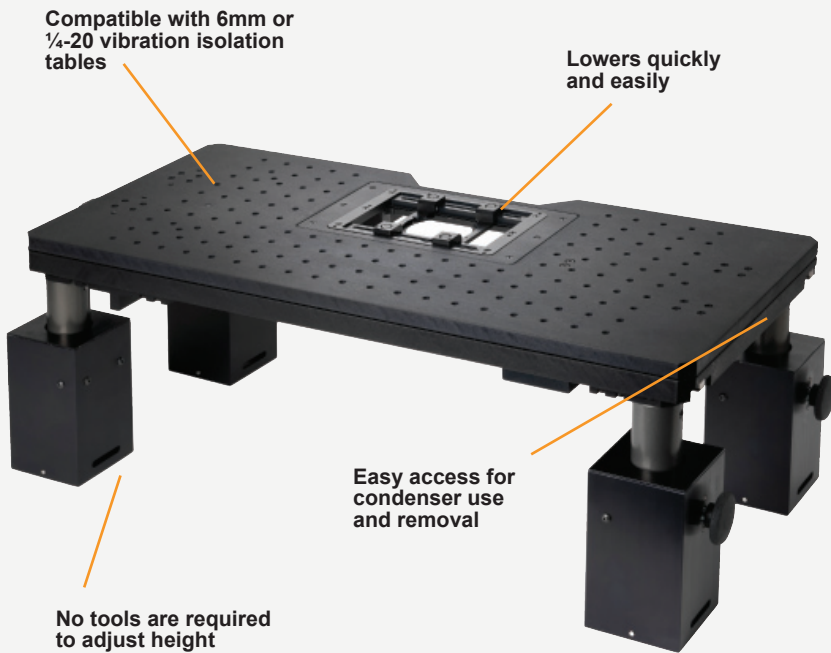


Motorised ZDeck System

For Olympus BX51WI/BX61WI & Nikon FN1/Ni Microscopes



Prior Scientific is proud to introduce the patent pending Prior Motorised ZDeck quick adjust platform for Olympus BX51WI/BX61WI and Nikon FN1/Ni microscopes.

Benefits of the Motorized ZDeck include:

- Increased productivity – image multiple areas of interest with speed and precision.
- ZDeck lowers quickly and easily, providing easy access for loading and unloading samples.
- No tools are required to adjust the height. Changing between thin sample and whole animal imaging height can be accomplished in seconds.
- Pneumatic pistons in the ZDeck towers make raising and lowering the ZDeck virtually effortless.
- Precision or customized ProScan™ stage provides sub-micron repeatability and smooth movement.
- Compatible with 6mm or 1/4-20 vibration isolation tables.
- ProScan™III controller and PS3J100 joystick provide ultra fine XY stage control via dual digipots.
- Micromanipulator mounts – oversize 1/4-20 plates on both sides.
- Compatible with the BX51WI and BX61WI forward detector module.
- Condenser spacer and pillar spacers provided to allow for Koehler illumination at a wide range of focus heights.
- Optional encoded XY stage for highest precision available.

Microscope Compatibility Requirements

BXWI microscope should have the WI-ARMAD height raising kit installed to allow for maximum ZDeck travel.

Prior ZDeck System is compatible with forward detector module and multi-photon setup configurations.

General Specifications

ZDeck travel	57mm
Vibration table compatibility	1/4- 20 or 6mm
XY travel	65mm x 65mm
XY resolution	20 nanometers
XY speed	15mm/sec
Spacers provided	1 condenser, 4 pillar spacers
ProScan controller power:	Universal external power supply. Input 100-240V, 50/60Hz., Max 1.6A
ProScan computer interface:	RS232/USB, 9600 baud
ProScan communication protocol:	8 bit word, 1 stop bit, no parity, no handshake

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Ordering Information

Part Number	Description
ZDP12MN for Olympus BX51WI/61WI	Prior high precision motorised ZDeck system complete with Prior ZDeck, motorised ProScan™ XY stage, ProScan™III controller, PS3J100 joystick with dual digipot controls, universal holder, solid aluminium plate, two micromanipulator mounts, condenser spacer and four 10mm pillar spacers.
ZDN12MN for Nikon FN1/Ni	
ZDP12ME for Olympus BX51WI/61WI	Prior high precision motorised ZDeck system complete with Prior ZDeck, motorised ProScan™ XY stage with 50 nanometer linear scales, ProScan™III controller, PS3J100 joystick with dual digipot controls, universal holder, solid aluminium plate, two micromanipulator mounts, condenser spacer and four 10mm pillar spacers.
ZDN12ME for Nikon FN1/Ni	

