



## AGILE FOCUS

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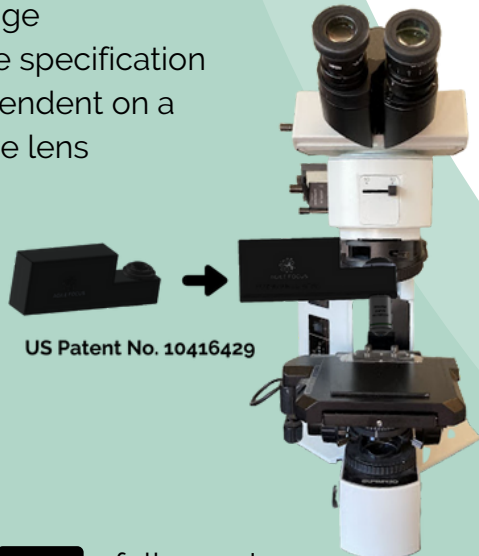
sales@agilefocusdesigns.com

### Features:

- PoweRave™ Focus and Zoom
  - RP offers rapid focusing
  - RPZ offers rapid, independent control of optical power and zoom
- Attaches with 1/8th turn into objective turret
- Controlled via USB to a computer with included control software
- Achromatic
- No agitation or damage of the sample, since neither the stage or objective lens moves
- Maintains the resolution of the optical system throughout the focal range

### Custom Options:

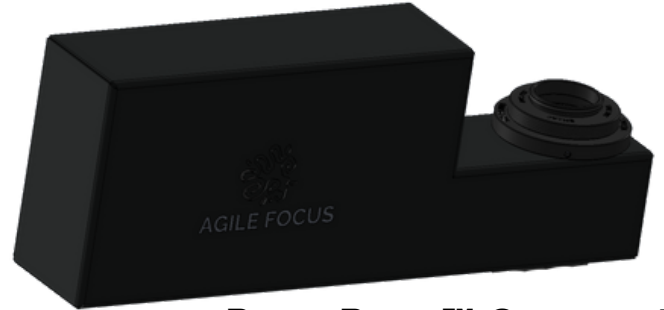
- Total magnification
- Total focusing range
- Wavelength range specification
- Aperture size dependent on a particular objective lens



# POWEHAVE™ FOCUS & ZOOM

## COMPACT VERSION

The PoweRave™ Focus and Zoom products take advantage of deformable membrane mirror technology to allow for fast focus and zoom control without translating or rotating lenses, vastly outperforming traditional microscopy. The Rapid Power (RP) version provides rapid focusing only. The Rapid Power and Zoom (RPZ) version offers independent control of rapid focusing and 2x zoom.



### PoweRave™ Compact

US Patent No. 10416429

PoweRave™ Compact is designed specifically for easy attachment by technicians and scientists with a 1/8th degree turn into the objective turret of any brand of widefield microscopes. Objective lens is NOT included.

### PoweRave™ Compact Specifications

<b>Nominal dimensions:</b>	1.5" x 3.5" W x 8" L
<b>Optical zoom:</b>	1x-2x continuous variable**
<b>3dB bandwidth:</b>	450 Hz
<b>Aperture stop dia.:</b>	10 mm
<b>Wavelength:</b>	400-700 nm

\*\*Example: 10-20x when used with 10x objective

Objective NA	Focus Change
0.025	0~130,000 µm
0.06	0~23,000 µm
0.1	0~8,300 µm
0.25	0~1,300 µm
0.4	0~520 µm
0.75	0~150 µm

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\*design subject to change and additional optical components (including objective lens) not included.



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