

## HDS-U-ZSE series motorized Z Axis



### Specifications

Travel	Typical 20 mm, depends on the microscope
Resolution	< 0.02 $\mu\text{m}$
Max Speed	0.2 mm/s
Uni-directional Repeatability	$\leq 0.1 \mu\text{m}$
Bi-directional Repeatability	$\leq 0.4 \mu\text{m}$
Motor	2-phase stepper motor
Guide Mechanism	crossed-roller guide
Encoder	Yes
Material	Aluminum alloy
Surface Finishing	black anodic coating
Limit	photoelectric switch
Max Load	3 kg
Weight	0.8 kg

\* Valid with heidstar controller only

### Features

- Stable attachment
- Compact design
- Ergonomic design for smooth handling

### Supported microscopes

- Olympus CX41/BX41/  
BX43/BX51/BX53/BX61
- SOPTOP CX40/RX50
- NOVEL BM1800
- CNOPTEC BK6000

### Dimension

