



## UPK-MOTMAN GS100 2-Axis Motorized Manipulator for Accurate Ultrasonic Testing of Complex Components

The UPK-MOTMAN GS100 is a 2-axis motorized gimbal/swivel that upgrades PAC's ULTRAPAC-II™ Ultrasonic Immersion Systems. The unit provides accurate and repeatable positioning of a transducer to follow the contours of complex components undergoing ultrasonic testing. Lightweight in design, the UPK-MOTMAN has a compact profile for easy mounting to a "Z" motion axis.

UPK-MOTMAN GS100 retrofits easily to other ultrasonic immersion systems and can also be a valued addition to ultrasonic scanning systems that employ squirters.

### Features:

- Large range of motion
- Step motor control
- Compact profile for tight entry access
- Lightweight
- Motorized gimbal and swivel
- UHF connection for immersion transducers
- Top mount BNC connector
- All components in contact with water are stainless steel, plastic or oil impregnated bronze
- Gimbal axis: rotation about Y axis in the X-Z plane
- Swivel axis: rotation about Z axis

### Specifications:

Range:	Gimbal 185 degrees Swivel 200 degrees
Resolution:	0.05 degree per motor step
Backlash:	Less than 0.05 degree
Precision:	Less than 0.05 degree
Speed:	Motor control dependent, > 12 degrees per second
Search Tube:	Standard 18" and 24" models, custom any length 12"-26"
Z Mounting:	Plate mounting to Z axis, contact NDTA for details



**For more information about the UPK-MOTMAN GS100 2-axis Motorized Manipulator,  
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