

# GRIDBOTS HEXMOVE

## 6 AXIS PARALLEL MANIPULATOR

This is an industrial/research grade 6 DOF Positioning platform which works as a parallel link actuator. It is also known as Stewart's platform and is generally used for precise positioning of objects of the order on microns.

They are generally designed to be mounted in any configuration (Floor,Wall,Inclined) and are very rigid and stiff in design. They can take a payload from ranging from 5 Kg to 5000 Kg and can comprise of more than 6 axis if required.

The linear motion precision is 1  $\mu$ M or better and rotational precision is 1 second of better. The system can be used for electro optical applications ,parts machining - antenna alignment and positioning system.

### TECHNICAL SPECIFICATIONS

POWER RATING: 200W  
POWER SOURCE: DC-24V  
COMMUNICATION: USB  
LINEAR RESOLUTION: 10  $\mu$ M  
ROTATIONAL RESOLUTION: 1 Sec.  
PAYLOAD: 20 kg  
LINEAR X TRAVEL RANGE:  $\pm 50$  mm  
LINEAR Y TRAVEL RANGE:  $\pm 50$  mm  
LINEAR Z TRAVEL RANGE:  $\pm 50$  mm  
ROTATIONAL X/Y AXES:  $\pm 15$  Degrees  
ROTATIONAL Z AXIS:  $\pm 20$  Degrees  
SELF WEIGHT: 40 kg

### DIMENSIONAL DRAWINGS

