

Update : 25/09/2015



Non contractual photo

μ TMP ensure high precision motion of equipment, part or sample....

1 - Description

μ TMP 16-1560-10 is equipped with a crossed roller bearings providing, in a minimal footprint, good stiffness and high precision...

The motion is operated by an irreversible screw-nut system with backlash compensation.

An optical sensor (end of travel) enables to recover an absolute position.

A stepper motor enables to combine precision, torque and speed.

The stages are compatible with vacuum use (10^{-6} mbar maximum). In this version the stage has an untreated aluminum color (no black anodization)

UHV (10^{-8} mbar max) version is possible as an option. Following grease and materials are adapted to reduce outgassing:

- Lubrication (motor, screw-nut, bearings)
- Epoxy glue
- Cable PTFE
- Screw and bolts steel

2 - Technical Specifications

CHARACTERISTIC (without options)	SPECIFICATIONS
Stroke	16 mm
Resolution	1.56 μm / pas
Repeatability	< 3 μm
Speed	1.5 mm/s
Payload	10 N
Hybrid Stepper motor	
Polarized and irreversible board	
Optical sensor	
Black anodized aluminum finishing	
Grease and materials compatible with vacuum	

3 - Dimensions : (drawing)

