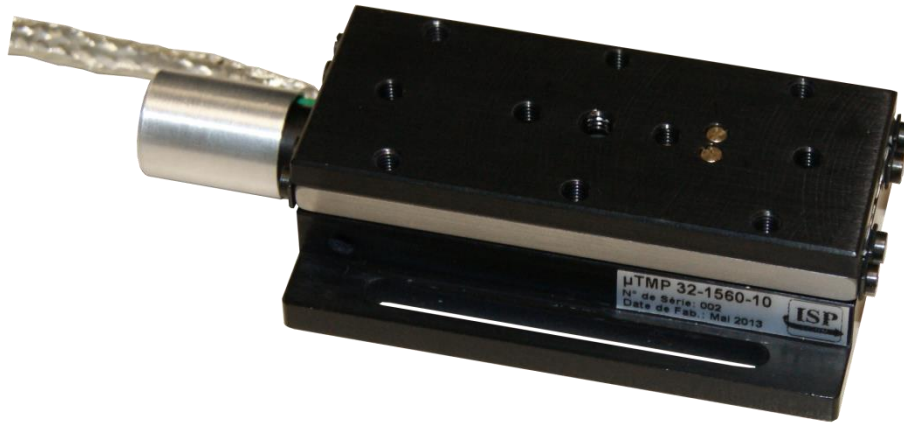


Update : 21/04/2015



*Non contractual photo*

**μTMP stages ensure high precision motion of equipment, part or sample...**

## 1 - Description

μTMP 32-1560-10 is equipped with crossed roller bearings providing, in a minimal size, 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 a 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
- PTFE cables
- Screw and bolts steel

## 2 - Technical Specifications

CHARACTERISTICS (without options)	VALUES
Stroke	32 mm
Resolution	1.56 μm / step
Repeatability	< 3 μm
Speed	1.5 mm/s
Payload	10 N

Hybrid stepper motor

Polarized and irreversible board

Optical sensor

Black anodized aluminum finish

Grease and materials compatible to vacuum

## 3 - Dimensions (mm)

