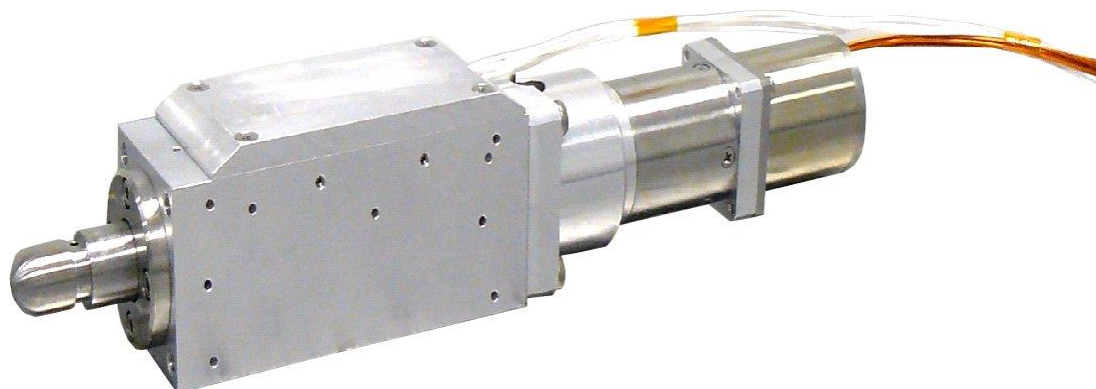


Update : 22/04/2021



Non-contractual photo

**VMP 30-30-P450 ensures high precision movement.**

## 1 - Description

- The VMP 30-30-P450 is driven by an hybrid stepper motor. It provides an irreversible translation motion through a precision screw.
- The VMP got an anti-rotation rod system ensuring an easy application.
- The actuator can be customized upon customer requirement (stroke, resolution...).

## 2 - Applications

Accurate positioning of optical and sensors

## 3 - Technical specifications

### Motorization:

Hybrid stepper motor, bipolar 200 steps/tn

Voltage	24V to 48V
Current	1,2 A/phase
Resistance	1,25 $\Omega$ /phase
Inductance	1,2 mH/phase

### Stress resistance:

Axial : 450 N

Radial : not admissible (push cylinder)

### Embedded sensors:

2 NC limit switches

1 NO switch for homing

Short term unidirectional repeatability for 10 operations:  $\pm 10\mu\text{m}$

**Technical specifications:**

Stroke	30 mm
Repeatability	< 1 µm RMS
Resolution	38 nm/ motor step
Linearity	< 1%
Minimum increment control Recommended	5 motor steps

**Positioner:**

Standard Delivery With 3m cables

**Cleanliness class:**

Prepared for use in ISO 5

**Mass:**

1,5 kg max.

**Operating temperature:**

20 to 22°C

**Use in secondary vacuum environment:**

The positioner is designed for secondary vacuum use (low hourly service factor)

**4 - Dimensions**

