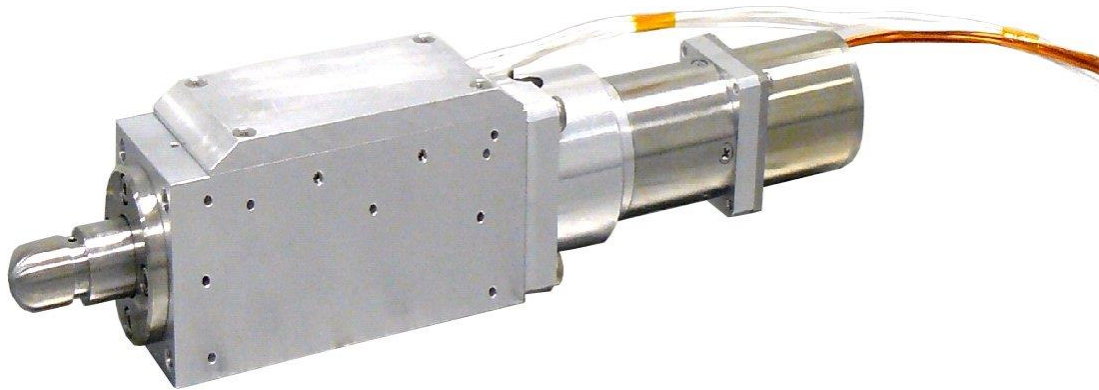


Update : 22/04/2021



Non-contractual photo

VMP 30-30-P450 ensures high precision movement.

1 - Description

- The VMP 30-30-P450 is driven by a 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 Ω /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: ± 10µm

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

