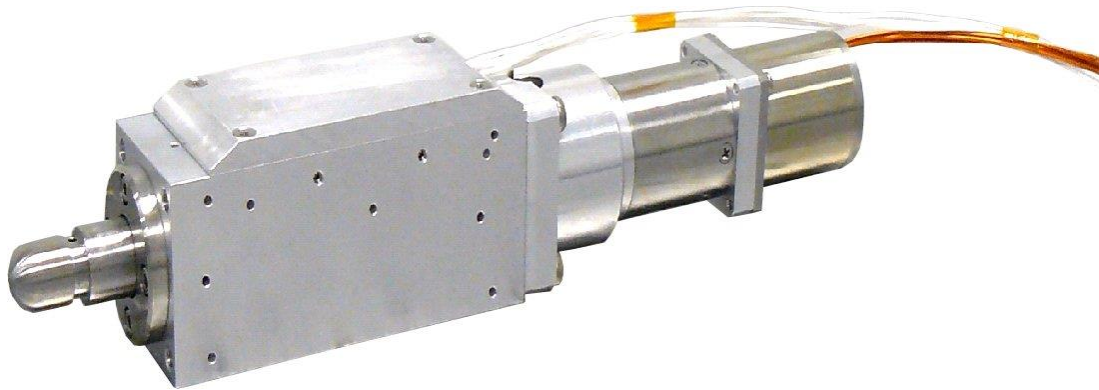


Update : 06/02/2013



Non-contractual photo

VMP 30-30-P450 ensures high precision movement.

1 - Description

- The VMP 30-30-P450 is driven by an hybrid step by step motor. It provides an irreversible translation motion through a precision screw.
- The VMP got an anti-rotation rod system ensuring an easy application.
- Its embedded linear ball bearings guide allows to support radial load.

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 NF limit contacts

1 original contact NO

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

Technical specifications:

| | |
|---------------------------------------|------------------|
| Stroke | 30 mm |
| Repetability | < 1 µm RMS |
| Resolution | 30 µm/step motor |
| Linearity | < 1% |
| Minimum increment control Recommended | 5 step/motor |

Positioner:

Standard Delivery Wit 3m of wiring

Cleanliness class:

Conditioned 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

