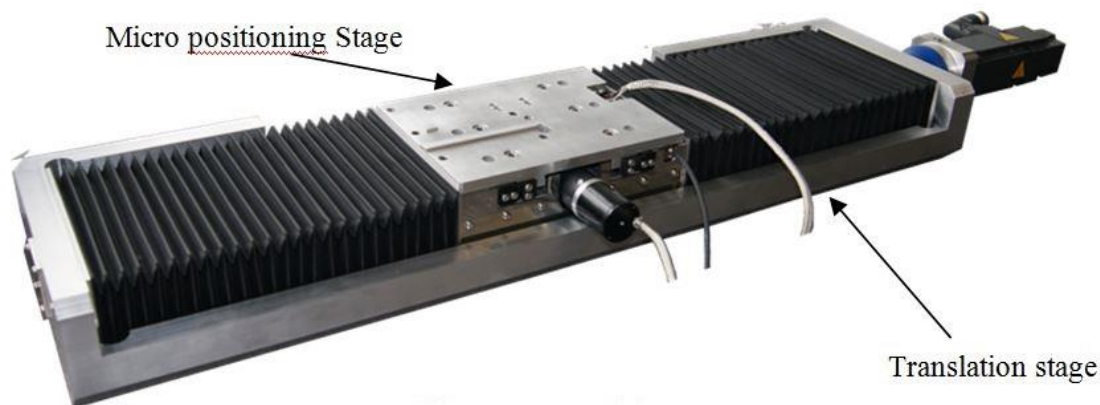


Update : 12/15/2022



*Non contractual photo*

This 2 axis translation set is made up of an embedded micro positioning stage over a translation stage.

### 1 - Main characteristics of the translation stage

- Guiding: 2 ball recirculation monorails (2 rails + 4 trays).
- Driving : reversible screw nut system with motoréducteur brushless gear motor

CHARACTERISTICS	PERFORMANCE ATTENDUE
Stroke	400 mm
Speed	750mm/s
Acceleration	3m/s <sup>2</sup>
Load to be moved	around 10 kg
Straightness	+/- 10µm on 400mm

## 2 - Main characteristics of the micro positioning stage

- Guiding : crossed roller (without recirculation) to get stiffness an optimum precision
- Driving : reversible screw nut system with stepper gear motor
- Absolute linear encoder

CHARACTERISTICS	PERFORMANCE ATTENDUE
Stroke	2 mm
Speed	2m/min
Resolution	1µm
Precision	1µm (*)
Load to be moved	Around 10 kg

\*Servo control on measure

## 3 - Dimensions : (plan)

