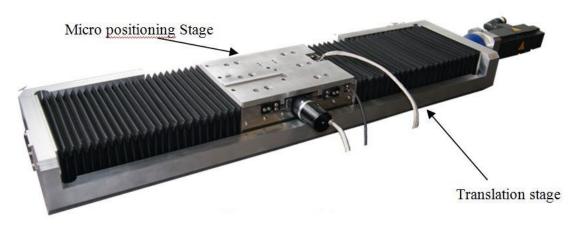


MICRO POSITIONING STAGE TMP XY 400-4-1000

DATASHEET ISP15A769FPI003

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/s² |
| Load to be moved | around 10 kg |
| Straightness | +/- 10µm on 400mm |

ISP SYSTEM – Micro positioning Stage, TMP XY 400-4-1000

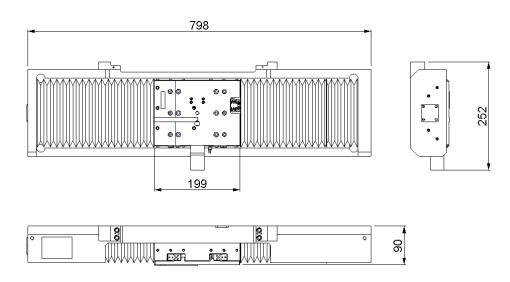
2 - Main characteristics of the micro positioning stage

- 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)





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