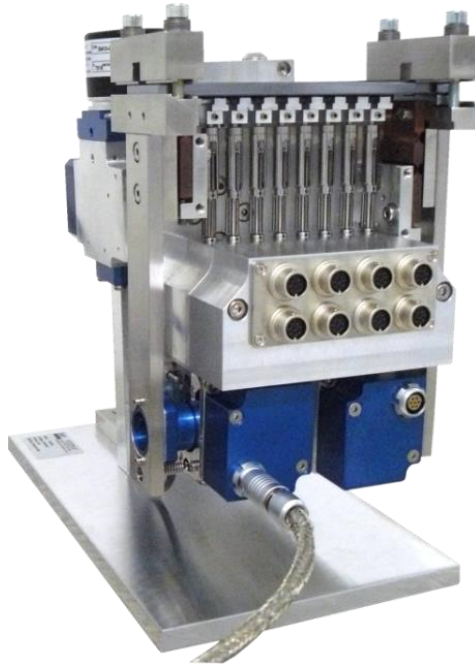


Update : 02/08/2013



Non-contractual photo

ISP SYSTEM has developed for the Synchrotron SOLEIL an Xray focusing mirror system.

This device is based on the use of 2 actuators wich generate bender AME , of 8 correcting actuator μ ame end of 2 positioners.

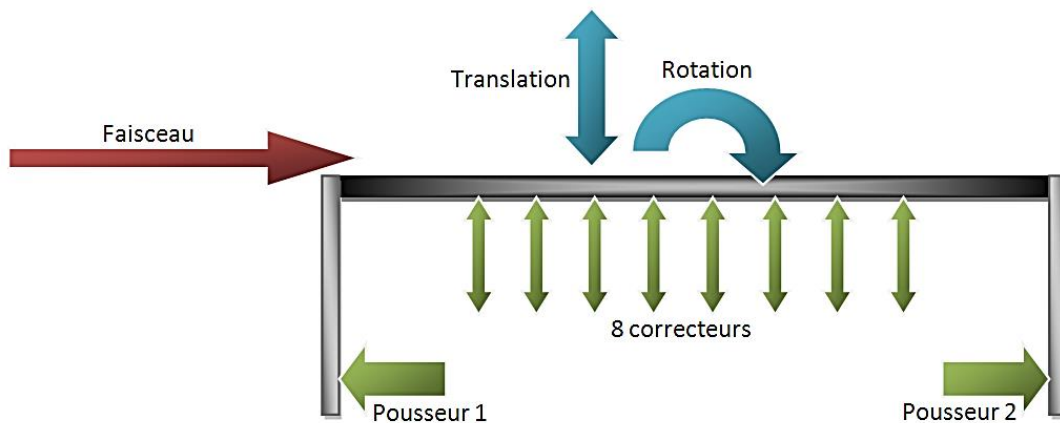
The two AME actuators generate accurate stress and put torque on the mirror. The torque combination allow to generate a fine elliptic blender.

Operation on grazing incidence : generation of elliptic blender for X Ray Beam

The mirror can be positionned as per 2 axis, on translation and on rotation

Active Blender 8 actuators μ AME are set along the beam axis to put thrust or traction on the mirror and correct the blend end the defaults of the mirror shape. The generate ellipse is then optimal

Schéma



Technical characteristics

- Translation TX : Course +/-10mm, Résolution 1 μ m
- Rotation θ Y : Course +/-30mrad, Résolution 5 μ rad
- Actionneurs Pousseurs : Plage d'effort 0 à 40N, Résolution 5mN
- Actionneurs correction : Plage d'effort +/-7N, Résolution 1mN
- Produit compatible classe de propreté ISO 6
- Caractéristiques miroir :
- Dimensions : 130 x 50 x 5mm
- Matériau : silicium

Application spéciale : nos bureaux d'études sont à votre disposition pour développer de nouveaux produits