

The KB Bender unit as quoted consist of the following.

The complete system includes:

- 1) A pair of benders (Horizontal and Vertical) with each bender actuated by four motors (eight motors total). Two motors (Newport MFM stages) applying the up and down stream bending moments, one motor (Newport MFM stage) translates the mirror along its surface normal, allowing the mirror to be centered on the beam and the fourth motor operates a cam tilt drive with an angular range of about +/- 20 mrad (rotating about the center and surface of the mirror) used for setting up the incident angle. The pair are held in mutual registration by a common support to an adjustable tripod for mounting to a table.*
- 2) Each bender is connected to a vacuum tight feed through with a rubber O-ring and a jam nut that can seal the system within the He enclosure.*
- 3) A set of ~ 50 ft driver cables.*
- 4) An eight channel driver box that takes as inputs step and direction through either two a "E500" like ribbon cable or two DB 25's.*
- 5) A transition board for a VME crate supporting the use of an OMS 58 eight channel stepping motor controller. **Note: Mirrors are not included with this quote.***

A 200 mm x 200 mm He enclosure is available for \$4,534.00. The He enclosure is designed to be compact so that you could work close to the end of the last mirror (200 mm)and still get a 45 deg microscope in to view the sample.

Delivery will be 10 weeks from date of order.

Thanks for considering our services.

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