

S I G N E T



*Quality and Value
Through Engineering*

- ◆ **Varian E220/500 Bernas**
- ◆ **Filament Clamp, Enhanced**

Filament posts using this design developed by Signet Products can last for several years rather than several months.

The following procedure will help insure this extended production life. A tantalum screw can easily deform so it should not be over-torqued. Should the threads bind, normally a little alcohol or acetone on the threads followed by turning the thumbscrew back and forth will allow it to be removed. The 8-32 threads in the moly post should be chased if the screw won't easily screw in and out after it has been used for some time.

VSEA - IMPLANTER PARTS
Models E220/500

Signet Improved Filament Clamp for the Varian E220/500 Bernas Implanters



This improved design uses a Tantalum Screw in a Molybdenum Filament Connector. Signet Products developed this design concept in the early 1990's which is based upon tantalum's expansion being greater than molybdenum's as the temperature increases. Our design replaces the old "tuning fork" filament clamp that loses its grip over time. This material combination results in longer filament clamp life, easier filament installation and improved electrical continuity at the filament interface.

Signet Part #	OEM Part #	Description
30-6930	E17036930 Ref.	Filament Clamp, Enhanced

Ref. = Design Alteration of OEM Part