



A microscope, which gives a comfortable 80 x magnification and has a graduated reticule, is fixed to the omega bracket. This microscope remains aligned during the operation of the diffractometer and does not give any obscuration or physical interference.

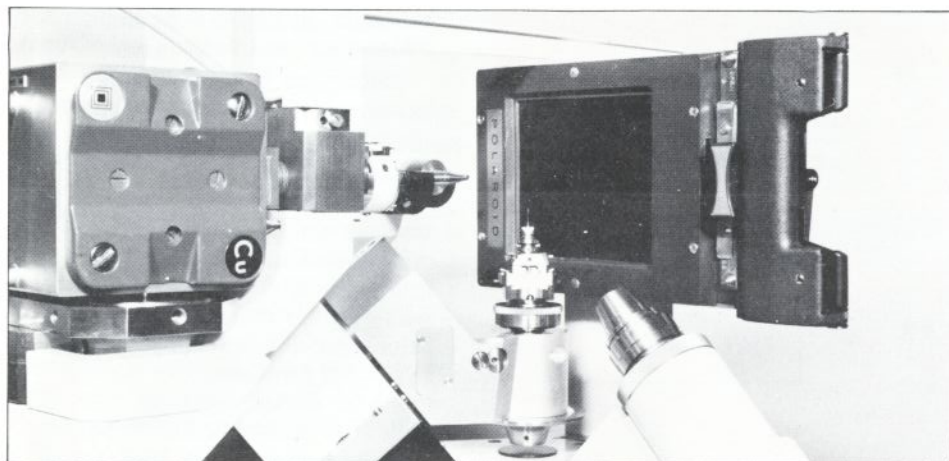
It is placed to enable the user of the diffractometer to make the necessary primary centering adjustments of the crystal.

A second microscope which can be mounted independently of any movement of the goniometer is supplied as an extra optional.

A highly stable eucentric goniometer head with a test crystal mounted is provided as standard with the diffractometer.

All axes, the attenuation filter, the aperture disk, etc., can be controlled with a portable control unit which has in detail the following functions:

- key operated main switch for manual or computer operation of the goniometer
- shutter switch and pilot lamp
- balanced filter switch
- attenuation filter switch
- motor direction switch
- speed range selector
- motor speed continuous variation button
- motor selector for phi, kappa, omega, 2 theta and aperture disk
- collision switch override buttons.



Polaroid Cassette

A Polaroid XR 57/1 cassette can be attached to the goniometer base allowing Laue- or rotating crystal exposures; rotating crystal exposures can be used to calculate a first reciprocal axis matrix of a non-aligned crystal. This provides one alternative to start with a not aligned and possibly unknown crystal. (The other alternative is the very efficient automatic reflection search). The Polaroid exposure will give interesting information about crystal quality and symmetry.

Environmental Enclosure

The new Enraf Nonius environmental enclosure provides maximum safety for the user and at the same time optimum access to the goniometer. The enclosure can be opened from any side. The doors are provided with interlocks closing the X-ray port if one door should be opened during operation.