

1 The copy board holds the page in front of the lens.



2 Sophisticated controls make the camera nearly automatic.



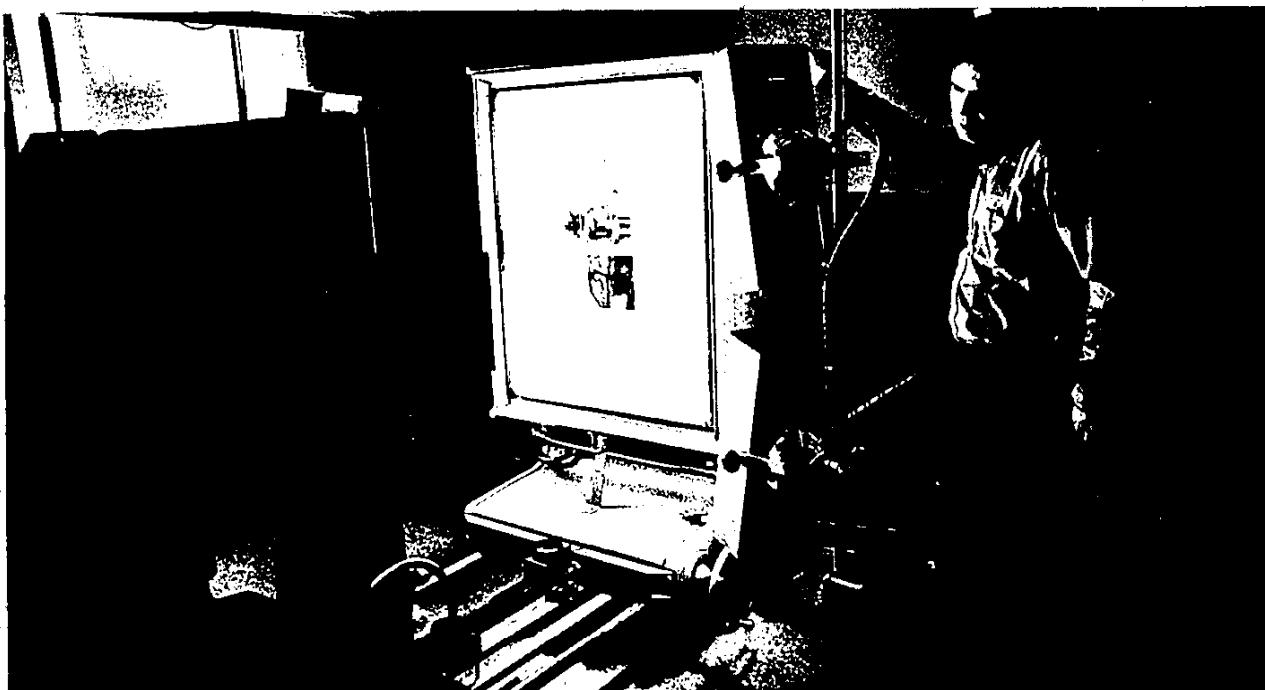
3 Densitometers, which measure light variations, help make Observer pictures snap.

Camera Room Stresses High Quality, Speed

Newspapers produced by "cold type" have superior pictures and crisper type than papers produced in the old "hot type" manner. At Observer Newspapers, an important part of this quality difference lies in the camera room, where the pasted-up pages are photographed. This system does away with the time-consuming step of making zinc engravings of each page. The time saved means Observer readers get fresher news in each paper.

The grid sheet with type properly pasted up on it (called "camera ready") is sent to the camera room, where it is placed (Illustration 1) on the copy board of the new Chemco horizontal camera. The camera is nearly 20 feet long, enabling it to take pictures of an entire newspaper page, and it is virtually automatic (Illustration 2): exposing the film, cutting the film for page size, and adjusting the light are all controlled from a central panel. Exposures are carefully determined by using a densitometer (Illustration 3, to make sure pictures in the paper are as sharp as possible.

The camera is capable of making up to 60 page negatives per hour (Illustration 4). This speed means Observer Newspapers can wait longer to photograph a page, which in turn means later deadlines news for the reader.



4 Dewey Jenkins can run the Chemco camera at a rate of up to 60 pages per hour.