

**LITHOGRAPHIC CAMERA OPERATOR**

**Nature of Work:** Under general supervision, at the full-performance level, sets up and operates a large lithographic camera to photograph illustrations and printed material to produce film negatives used in the preparation of lithographic printing plates. Mounts materials to be photographed on copy board and focuses camera to enlarge or reduce size of object in photograph and compensates for difference in size and distortion in copy. Selects and places screen over negative to break up shadings in object for halftone printing. May supervise subordinate personnel. Work is assigned either orally or in writing and finished work is reviewed for quality but considerable independence is exercised in determining work procedures. Performs related work as required.

**Examples of Work**

Focuses lens, adjusts lights, and exposes film to copy for specified period of time.  
Positions film on vacuum board, closes board against back of camera, and locks board in position.  
Selects film for speed and density required.  
Places color filters over film to produce B.P. halftone separation, and process prints for printing.  
Removes exposed film from camera and develops film in series of developing, rinsing and fixing baths. Compares developed film with design to determine whether desired effect has been reproduced.  
May prepare original layouts for half-tone or color prints by copy-drawing, paste-up, stripping, or inking techniques.  
Performs computer design, layout, and desktop publishing of forms, newsletters, letterheads, brochures, etc.  
Scan and edit existing forms.

**Knowledge, Skills and Abilities**

Considerable knowledge of the operation and maintenance of lithographic cameras.  
Considerable knowledge of films filters, screens and developers.  
Knowledge of the techniques of lithographic press operation.  
Knowledge of computer programs, desktop publishing, word processing, scanning.  
Skill in the use of a lithographic process camera, filters, screens, developers and fixers.  
Ability to plan and supervise the work of other employees.  
Ability to follow oral and written orders.

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**Minimum Qualifications**

**Training:** Graduation from a standard four-year high school or the equivalent.

**Experience:** Three years of full-time or equivalent part-time paid employment in duplicating equipment operation, one year of which is in lithographic camera operations.

Established: 10/21/93  
Revised: 2/27/2001  
Effective: 11/21/93, 3/5/2001