

## 90.10

**90.10 - Apparatus and equipment for photographic (including cinematographic) laboratories, not specified or included elsewhere in this Chapter; negatoscopes; projection screens.**

9010.10 - Apparatus and equipment for automatically developing photographic (including cinematographic) film or paper in rolls or for automatically exposing developed film to rolls of photographic paper

9010.50 - Other apparatus and equipment for photographic (including cinematographic) laboratories; negatoscopes

9010.60 - Projection screens

9010.90 - Parts and accessories

### **(I) APPARATUS AND EQUIPMENT FOR PHOTOGRAPHIC (INCLUDING CINEMATOGRAPHIC) LABORATORIES, NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER**

This group includes :

- (A) **Automatic machines for developing rolls of photographic film or for exposing developed photographic film to rolls of photographic paper.**
- (B) **Special film developing tanks.** These may be of metal, plastics, stoneware, etc.; they generally incorporate devices such as supporting rods, baskets for removing the films from the bath. Certain developing tanks are also used for rinsing, fixing and washing films.
- (C) **Special trays** (of plastics, stainless steel, enamelled sheet iron, etc.), clearly intended for photographic use, but **not including** articles which may also be used for other purposes (e.g., for general purpose laboratory or hospital use).
- (D) **Tanks for washing negatives**, including rotary washing apparatus.
- (E) **Print driers, glazers and drier-glazers** (single face, double face, rotary types, etc.); **drying machines** (hand-operated, etc.); roller squeegees; polished stainless steel plates and chromium-plated plates clearly designed to be fitted to these articles or used separately.
- (F) **Printing frames, including vacuum printing frames**, (of metal or of metal and wood) for contact printing; **printing machines** (for professional or amateur photographers, etc.); and **illuminated frames**, without a developer, for making exposures only.
- (G) **Film cutting machines and apparatus**, of a kind used in photographic (including cinematographic) laboratories.
- (H) **Special holding frames** for retouching negatives.

- (IJ) **Dry-mounting presses** for photographic use.
- (K) **Specialised machines and apparatus used in cinematographic laboratories**, such as :
  - (1) **Film developing machines** whether or not automatic.
  - (2) **Film slitting or cutting machines** (e.g., for cutting 35 mm film into two 16 mm films).
  - (3) **Printing machines and cinematographic reducers and enlargers (optical printers).**
  - (4) **Optical effects machines.**
  - (5) **Sound control units** for editing and synchronising sound films.
  - (6) **Recording apparatus** which reproduces on a paper strip a "slowed down" and enlarged image of the sound track on a film, for use in synchronising and dubbing.
  - (7) **Film cleaning machines; machines for treating worn negatives before reprinting; combined cleaning and treatment machines; machines for cleaning negatives.**
  - (8) **Waxing machines** for depositing a thin coat of wax on both edges of the emulsion-coated side of the film.
  - (9) **Joiners (splicers)** (hand- or pedal-operated, etc.).
  - (10) **Film editing units.** These may be fitted with a picture-head and a sound-head. Such apparatus may be used, for example, to synchronise images with a sound track.  
  
 Separately presented picture-heads, and devices equipped with sound-heads which are used together with frame viewers on synchronisation tables, also fall in this heading. However, separately presented sound-heads are **excluded** (heading 85.22).
  - (11) **Machines for numbering copies of films by perforation.**
  - (12) **Editing desks for handling films;** these are fitted with spool rewinders. **Special film re-winders** for winding negatives (e.g., after printing); **film measurers and footage counters**, to check the length of films (separately presented counter mechanisms are **excluded**, see heading 90.29).
  - (13) **Film titling apparatus.**
  - (14) **Film viewers for editing printed cinematographic film.** These viewers may be combined with sound recording or reproducing apparatus.
- (L) **Film viewers for still images** used to examine photographic negatives in photographic laboratories.
- (M) **Specialised equipment used in reproduction work** (not being photocopying apparatus of heading 84.43), e.g., apparatus for developing specially sensitised paper by the ammonia vapour process.

## (II) NEGATOSCOPES

Negatoscopes are used mainly for examining medical radiographs or radiophotographs. They may be of very different types, ranging from wall-mounted light boxes to automatic magazine-fed radiograph viewers.

## (III) PROJECTION SCREENS

These screens are used in cinemas, schools, lecture rooms, etc. They include projection screens for three-dimensional presentation; also portable screens, rolled in sheaths or contained in boxes, for mounting on tripods, on tables, or for hanging from the ceiling.

They are often made of a fabric coated white, silver or with glass grains (microspheres), or of sheets of plastics; these fabrics or sheets are generally perforated. To fall in this heading, however, they **must be clearly identifiable** (e.g., by means of hems or rims, eyelet-holes).

## PARTS AND ACCESSORIES

**Subject** to the provisions of Notes 1 and 2 to this Chapter (see the General Explanatory Note), parts and accessories identifiable as being solely or principally for use with the apparatus and equipment of this heading also fall here.

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This heading also **excludes** :

- (a) Photographic (including cinematographic) studio equipment, such as lighting apparatus, reflectors, spotlights, electric lighting lamps and tubes of all kinds, sound effect equipment, microphone booms, scenery, etc.; these fall in their respective headings.
- (b) Halftone or similar printing screens (**headings 37.05, 90.01, 90.02**, etc. as the case may be).
- (c) Paper or paperboard cutting machines of all kinds (**heading 84.41**).
- (d) Apparatus for the projection or drawing of circuit patterns on sensitized semiconductor materials (**heading 84.86**).
- (e) Loudspeakers, microphones and audio-frequency electric amplifiers, **other than** those presented with and forming an integral part of any of the instruments of this heading (**heading 85.18**).
- (f) Cameras for recording documents on microfilm, microfiche or other microforms (**heading 90.06**).
- (g) X-ray fluorescent and intensifying screens (**heading 90.22**).
- (h) Exposure calculating discs and rulers (**heading 90.17**); exposure meters, photometers, densitometers, colour temperature meters (**heading 90.27**).
- (ij) Hand-operated stamps for numbering prints (**heading 96.11**).