



**A** fine watch—delicate Italian lace—these are synonymous with superb craftsmanship. But imagine such hand-to-eye co-ordination at mass production speeds. The mount operator who assembles with a small spot welder the tiny internal parts of your Hytron tubes displays just such craftsmanship. Despite painstaking engineering and intricate machinery, it is finally her accuracy, speed, perseverance, and appreciation of fine tolerances which build Hytron quality. Assembly mistakes once sealed within a tube cannot be corrected.

That is why Hytron is so fussy about selecting and training its mount operators. Each applicant must pass exacting tests for eyesight and for finger and tweezer dexterity. Then begins a long training cycle: two months to master a single constructional step; up to two years to

develop the versatility of the expert mouter.

Every possible aid is given to the Hytron mount operator. Work simplification helps her co-ordinate smoothly and efficiently motions of eyes, hands, and feet. Parts design is simplified; supporting micas serve as templates. Welding is automatically timed. Tight spacing tolerances (.003") and frequent engineering changes prohibit widespread use of jigs and fixtures. Magnification is impracticable, because of width and depth of field. Major effort must always be to train the mouter's keen eyes and nimble fingers to assemble delicate parts to fine tolerances, despite varying materials and machine set-ups.

Yet the Hytron mouter works so effortlessly that it all looks easy. It is easy only because she has the know-how. Next time you pick up a Hytron tube, examine her handiwork.



SPECIALISTS IN RADIO RECEIVING TUBES SINCE 1921

**HYTRON**

RADIO AND ELECTRONICS CORP.

MAIN OFFICE: SALEM, MASSACHUSETTS

