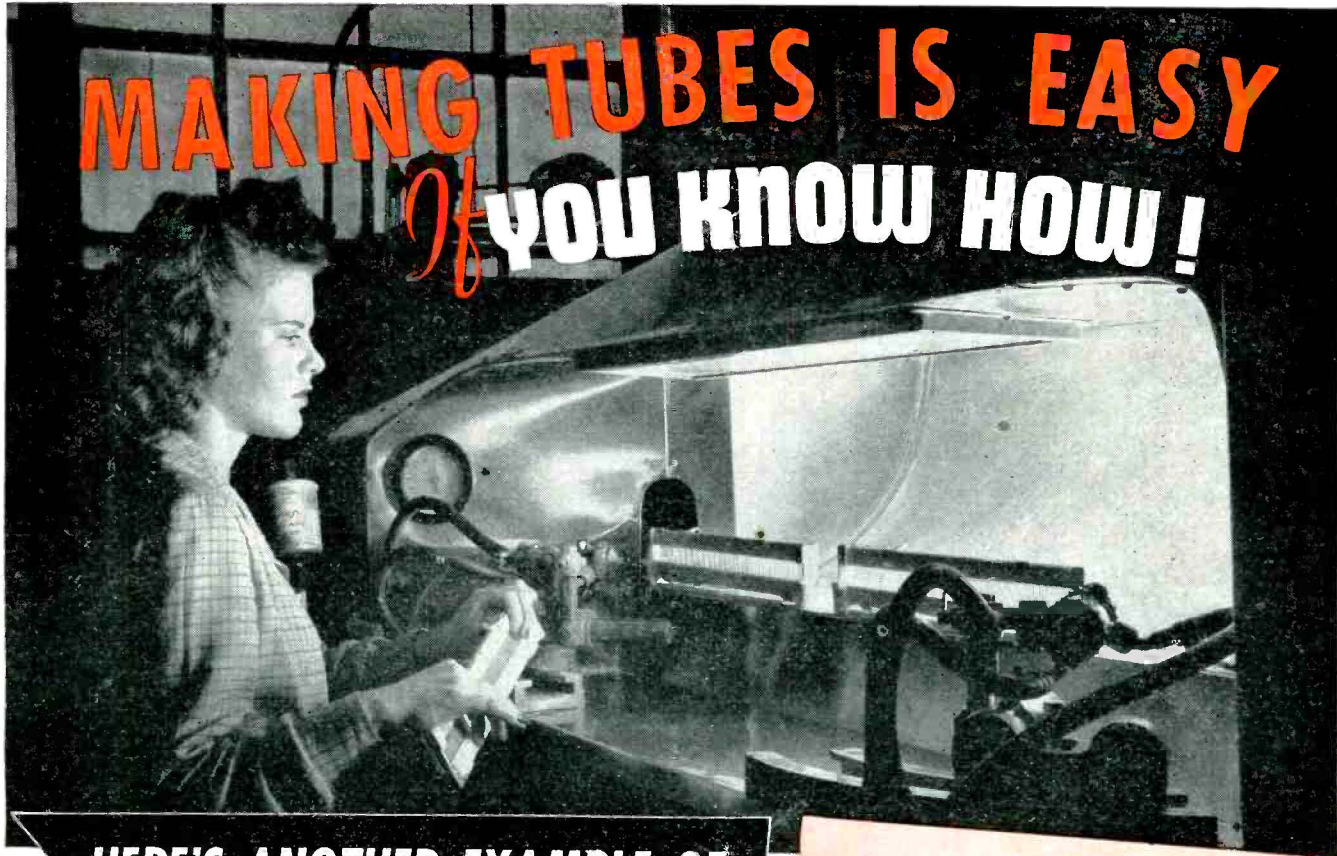
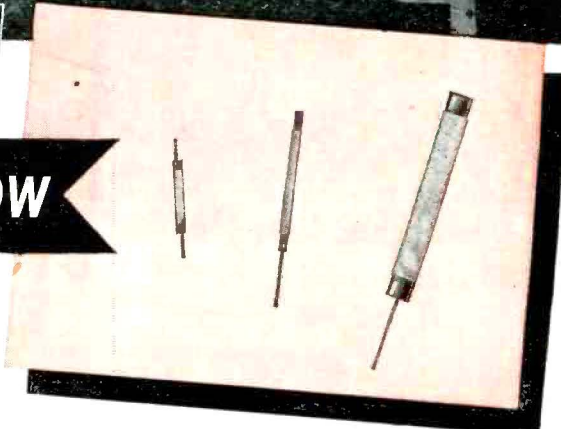


# MAKING TUBES IS EASY If YOU KNOW HOW!



HERE'S ANOTHER EXAMPLE OF

UNMATCHED HYTRON KNOW-HOW



**A** GAIN a painstaking, tough job is made easy. This Hytron electronically-controlled cathode-spray machine minimizes the element of human error always present with hand spraying. Evenly applied emissive coating of exactly the right weight and density is obtained hour after hour. Number and speed of coating passes, distance from spray guns to cathode sleeves, and intensity of the spray are precisely controlled.

An endless belt, with 8 racks each containing 40-100 bare cathode sleeves, travels before the two spray guns at 37-112 racks per minute. These guns are fired electronically only while racks appear before their nozzles. Each gun can be aimed through an arc of 0-45° to accommodate flat, oval, or round sleeves. Distance between gun and rack is finely adjustable. Number of passes is electronically controlled between 2 and 32.

An ingenious device automatically reverses—at each revolution of the endless belt—the side of a given rack exposed to the guns. A bank of infra-red lamps

dries each layer of coating immediately after its application.

Intensity and width of spray are regulated by pressure and nozzle adjustments. A continuously circulating system (instead of suction or gravity feed) maintains the coating fluid in the necessary state of suspension, and prevents clogging by coagulation.

Cathode coatings are held to such close tolerances that they must be measured by weight—on balances capable of reading .1 milligram. Yet this machine can apply accurately over 100,000 of such fine coatings daily. Another example of Hytron's mass production with precision—the Hytron know-how which gives you better tubes.

OLDEST MANUFACTURER SPECIALIZING IN RADIO RECEIVING TUBES



# HYTRON

RADIO AND ELECTRONICS CORP.



MAIN OFFICE: SALEM, MASSACHUSETTS