



What is an RCA Ceramic AccuCircuit Module?

Introduced as recently as 1970 into RCA Color TV sets, these Ceramic AccuCircuit Modules are the most advanced type of component used in television today. Each is 100% solid state and there is never anything to repair on one—if service should be needed in the area where it's used, the technician simply pulls it out and plugs in a replacement!

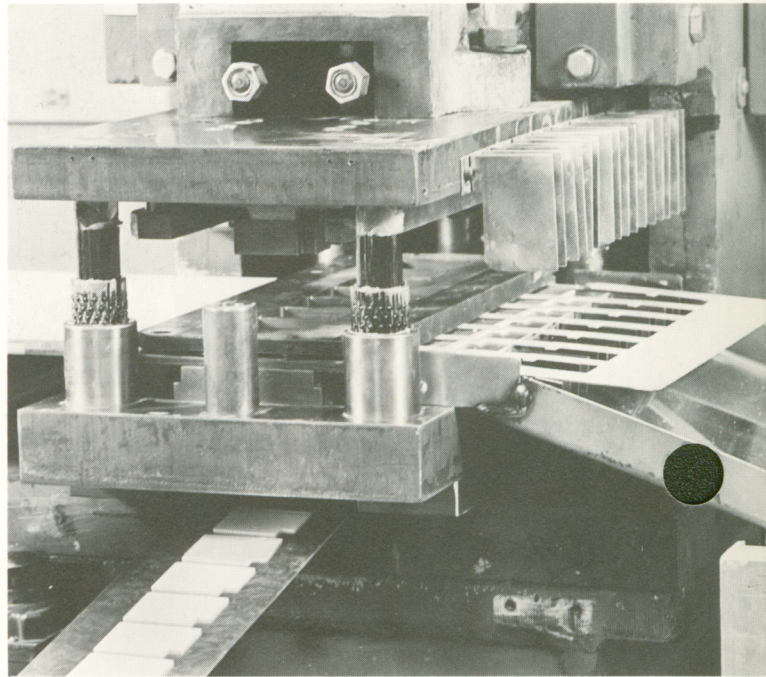


Retail Salesman's Development Program

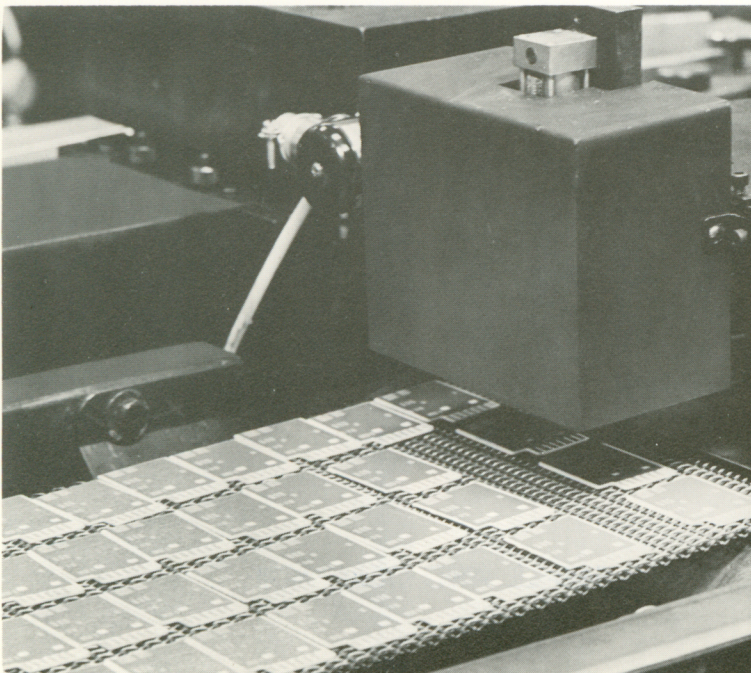
RCA's Ceramic AccuCircuit Modules!

How they're made:

1. Small wafers are cut from sheets of "ceramic-like" material and fired in an oven at extreme temperatures.
2. Electrical circuitry representing resistors, capacitors, and wiring is automatically "screened" onto the "fired" modules.
3. An insulating coat of non-conductive paint is "screened" onto each wafer.
4. Active devices such as transistors and diodes are securely soldered onto the wafers.
5. Each wafer is covered with a protective coating and 100% tested for operating conditions.



1.



3.



4.

Their marvelous properties:

SERVICEABLE

Each ceramic module is a "specialist." That is, rather than trying to cram many functions into each module RCA split the jobs up among several modules. For example: a separate ceramic module is used to "drive" each of the three color signals sent into the picture tube, instead of letting one module do all three jobs. This characteristic, plus the fact that each module snaps in and out easily, simplifies servicing.

DURABLE

Don't let the word "ceramic" fool you. Each module is made of a highly durable material called "alumina"—that's the same thing used to make sparkplugs for your car's engine.

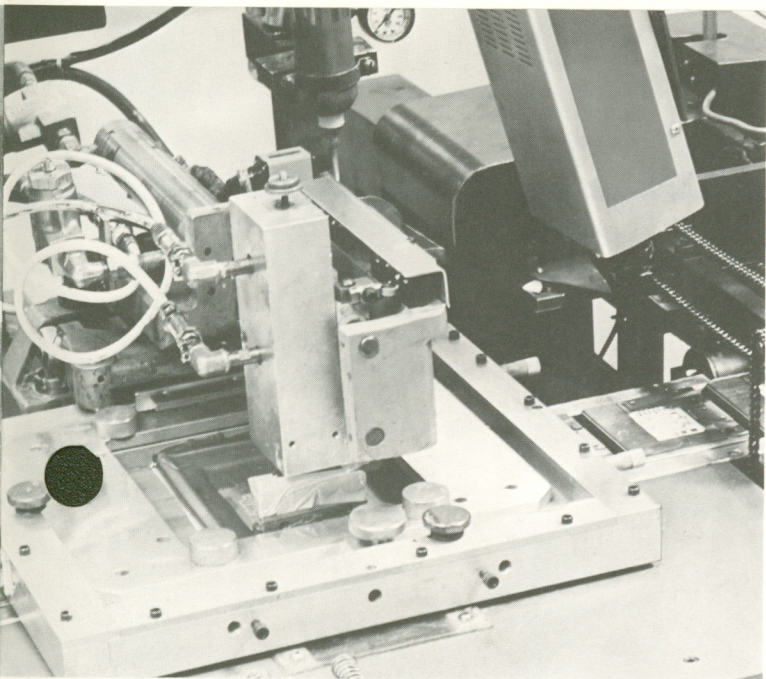
RELIABLE

Resistors and low value capacitors are "screened" on instead of hand-mounted and soldered. With the soldering methods there has always been the chance of a "cold" solder connection that can cause electrical problems. Not so, with the screening process. The components are directly bonded in a computer-controlled oven and baking system.

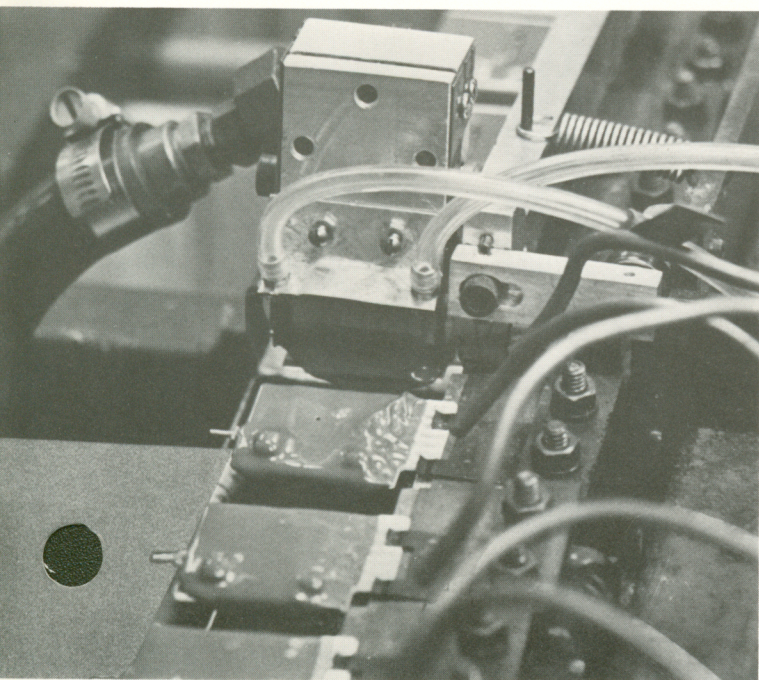
Each module, moreover, is solid state—which means it generates less heat than tubes, heat being a major cause of circuit failure. Each Ceramic AccuCircuit also has a "sealed-in" reliability due to its protective epoxy-resin coating.

SMALL AND COMPACT

RCA's largest ceramic module can fit inside the palm of your hand.



2.



5.

What are the **Consumer Benefits** of an RCA Ceramic AccuCircuit Module?

SERVICEABLE

Features "throwaway" design—helps simplify servicing.

DURABLE

Made of tough "alumina."

RELIABLE

No heat problems with its solid state design. A special protective coating of epoxy-resin assures "sealed-in" reliability.

SMALL AND COMPACT

The largest RCA ceramic module can fit inside the palm of your hand.

