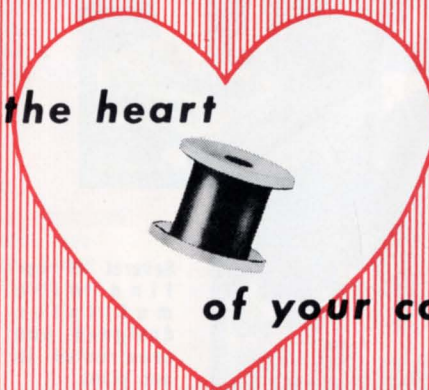


SECON

PRECISION
FINE WIRE

for the heart



of your component

**RESEARCH
DEVELOPMENT
PRODUCTION**

SECON METALS CORPORATION

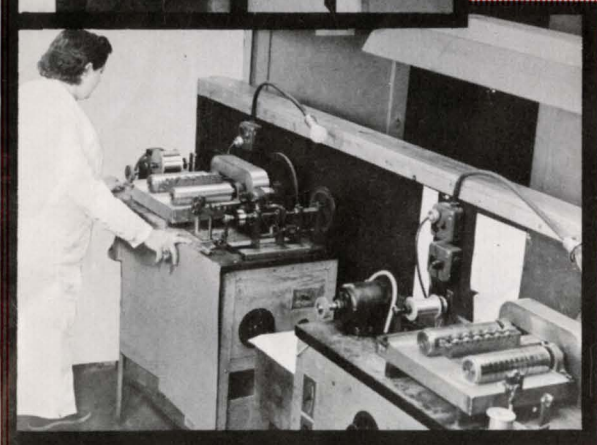
7 INTERVALE STREET



WHITE PLAINS, NEW YORK



Constant rate of strain tensile tester in a section of our physical testing laboratory.



Several of our fine wire multiples designed and constructed in our plant.

An overall view of one floor of our plant.

FOR over a decade SECON has been closely identified with electronics, instrumentation, ordinance, aviation, nuclear physics, guided missiles, atomic energy, automotive and allied fields as metallurgical specialists. During this period it has contributed not only the actual production of metals and special alloys in wire form but the original metallurgical research and development required for the many highly-engineered applications in these fields as well.

As you read the brief description of its varied products your attention is directed to these salient facts. . . . Because of its outstanding facilities and specially trained personnel, SECON has always been able to maintain close tolerances and controlled specifications on the following critical characteristics:

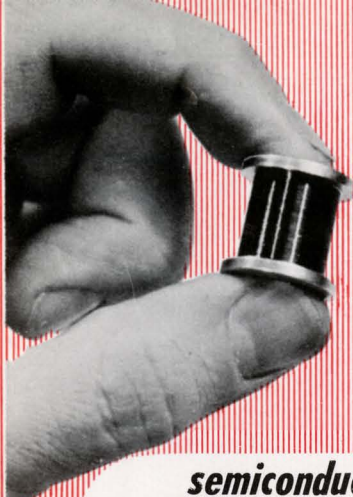
- Resistance; Tensile Strength; Elongation; Surface Appearance; Special Spooling; Purity;
- Torque; Linearity; Composition; Cross Section; Weight-per-Unit-Length; Uniform Plating and Enamelling;
- Dependable Insulation; Temperature Coefficient of Expansion and/or Resistance; and Strain Sensitivity.

But it is the SECON organization itself which makes possible these outstanding accomplishments.

Pictured on this page are a few scenes in today's vastly expanded plant devoted exclusively to the engineering and processing of precision wire — round, ribbon and grooved. Facility-wise, SECON is a completely integrated metallurgical unit . . . from its research and engineering laboratories,

melting furnaces and analytical laboratory, to its machine shop (making dies and tools required for production), to the production line and quality control, through electroplating and enamelling section to the final completion of the wire itself. . . . This is the self-contained organization standing behind every spool bearing its hallmark of quality . . . the SECON symbol.

Our recommendations on your special wire problems involve no obligation. Avail yourself of this highly specialized engineering service.



SECON

products

semiconductor wire

Our engineering staff is well acquainted with the problems encountered when supplying wire to the semiconductor industry. We are proud of our ability to manufacture wire to this industry's exacting standards. Some of the items currently in production are: High Purity Metals — High Purity Alloys — Doped Metals — Tin, Indium and Lead Coated Wire — Electroplated Wire — Ribbon.

titanium wire

Secon Metals Corp. is not a primary producer of Titanium. However, we have facilities for redrawing commercially available Titanium from .020" to .001" in diameter.

strain gauge wire

A series of strain gauge alloys with a variety of specific resistances—all having a high strain factor and a low temperature coefficient of resistance.

resistance thermometer wire

Chemically pure nickel with a series of alphas as follows:

.006, .0063 and .0067.

Chemically pure platinum with a series of alphas as follows:

.00385 and .00393.

Can be supplied bare or enameled. The chemically pure platinum can be supplied in sizes smaller than .001".

enameled wire

Custom enameled wire; insulation supplied to your exact tolerance specification. A variety of insulations are available.

high tensile strength magnet wire

A new type magnet wire which has a high tensile strength and a specific resistance only slightly higher than that of copper.

filament wire

Filament wire, filament ribbon, tabbing ribbon, Pirani gauge ribbon and other wire components for use in electronic tubes.

precision potentiometer wire

Bare and insulated. A complete range of precious metal potentiometer winding alloys from 37 ohms per circular mil foot to well over 600 ohms per circular mil foot. The alloys are uniform, linear throughout their length, have low temperature coefficient of resistance and high tensile strength.

fine wire and ribbon

Round wire drawn to 0.0002" in diameter. Smaller diameters can be produced by other processes. The round wire is uniform in cross section, and many physical and electrical characteristics can be held to close tolerances.

Ribbon is rolled to 0.0001" in thickness; uniform cross section, accurately spooled, chemically cleaned, dependable, characteristics reproduced from shipment to shipment.

fuse wire

Close resistance tolerances on all metals and alloys including those with a high temperature coefficient of resistance.

electroplated wire and ribbon

Both the equipment and facilities are available for continuous electroplating on wire and ribbon; uniform in thickness, color and density of electroplate. Many combinations of metals and alloys are available.

custom melts

Facilities are available for making melts of pure metals and alloys, and for producing special melts to your own specifications.

potting cements

A series of potting cements compatible to the various 1000°F. insulations.

1000 °f. insulated wire


Flexible insulations which may be supplied on many metals and alloys. Has excellent winding characteristics and abrasion resistance.

base and precious metals and alloys

This corporation has facilities for redrawing all of the commercially available base and precious metals and alloys to smaller sizes and closer tolerances than those which are normally available. Facilities are also available for making up special alloys to meet specific requirements.

galvanometer suspension strip

Rolled to very accurate specifications. Special alloys with minimum "zero-drift".



SECON METALS CORPORATION

7 INTERVALE STREET



WHITE PLAINS, N. Y.

wire for the heart

of your component