

The Sigmund Cohn group of companies was started by Mr. Sigmund Cohn in 1901 in New York City. These companies were engaged primarily in the business of Platinum refining and the manufacture of precious metal Platinum alloys for the jewelry industry, which was by far the largest consumer of Platinum alloys in the period 1900 through 1925. This included the commonly used alloy of Platinum/10% Iridium.

Subsequent Sigmund Cohn Corp. products included a broadened line of Rhodium electroplating solutions. From 1930 through 1945, Sigmund Cohn Corp. was also engaged in the manufacture of Platinum/Tungsten spark plug electrodes.

Sigmund Cohn Corp. also developed and introduced products to meet the new requirements connected with the development of vacuum tubes for the radio industry. Among these were techniques to Gold electroplate and Silver electroplate Tungsten and Molybdenum grid wires. Nickel alloy filaments for vacuum tubes were also of great importance to the company during this period.

Sigmund Cohn Corp. continues to manufacture a wide variety of pure metals and alloys in forms that include wire, ribbon and sheet. Among these products are those made of the highest purity Platinum available for use in applications such as resistance thermometers, thermocouples and targets for vacuum deposition. In addition, specialized alloys such as Platinum/ 8% Tungsten and Platinum, combined with Rhodium and Ruthenium, were developed and patented for specific applications by Sigmund Cohn Corp. metallurgists many years ago. Today, areas of application for these specialized alloys range from the automotive to biomedical industries.

Platinum/Rhodium Platinum thermocouple wires are manufactured from Platinum metal refined in our laboratories in Mount Vernon, N.Y. Our alloy #851 was patented in 1937 as a bridgewire for electro-explosive devices. The alloy is made available in diameters of less than 0.0003" through a combination of wire drawing and electrochemical processes.

High tensile strength Platinum alloys are manufactured for PTCA (Per-cutaneous Transluminal Coronary Angioplasty) and cardiovascular applications where an exceptionally high degree of wire quality must be maintained. The parameters of maximum quality control include straightness, metal integrity, component uniformity or homogeneity, roundness. Perhaps of the greatest importance for these materials is their radiopacity.

Sigmund Cohn Corp. has in place a ISO 9001 registered quality system.

There are many other applications for Platinum alloy precision wire and ribbon that are too numerous to discuss in detail; however, they should receive some mention. These include thermistor and Platinum resistance thermometer leadwire; high tensile strength alloys for the construction of precision potentiometers; Platinum Wire for micro-ampere fuses having a core diameter of less than 0.00002" Silver clad; Platinum alloys for precision reticles; and Gold electroplated base metals.

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CONTACT INFORMATION

Count on prompt customer service at Sigmund Cohn! We welcome the opportunity to provide more information and pricing on any of these specialized products.

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