



GANNON & SCOTT

Advancing Precious Metals Refining & Assaying Since 1919



Doing it Right

Dedication to our customers, our industry and the world we live in has guided everything we've done for over 90 years.

Our corporate commitment to excellence drives us to not only do something better, but to do it right.

Doing it right means continuously upgrading and investing in leading edge processing technology and environmental controls in our facilities on both coasts.

Doing it right means ensuring that our precious metal refining and assaying processes provide timely, transparent returns and superior service and value for our electronics, industrial and jewelry customers.

Doing it right means being a responsible steward of our environment.

Our leading edge refining technologies, stringent environmental controls, superior service and advancing our industry's standards enable us to Do it right.



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Industries Served

- Catalysts
- Collectors/IT Asset Recovery
- Data Destruction
- De-Manufacturing/End of Life Electronics
- E. M. S.'s, Electronic Manufacturing Services
- Glass/Mirror
- Hydrogen Fuel Cells
- Jewelry
- Medical
- Metal/Alloy Fabricators
- Microwave
- Military/Aerospace
- O. E. M.'s
- Plating
- Primary Department of Defense Contractors
- Production Waste Streams
- Solar Energy
- Semiconductor
- Telecom
- Vacuum Deposition



Secure, Environmentally Safe Facilities

Gannon & Scott's processing plants are conveniently located in major metropolitan areas making customer visits and representation during the refining process easy to arrange. Elaborate security systems protect our facilities and, more importantly, your materials. Additionally, we take pride in our environmental controls and in the peace of mind they give our customers.

Security Measures

- Refining facilities are completely secured.
- 24-hour monitoring.
- Multi-level security system.
- Material is tracked by computer from initial receiving through each stage of processing to ensure lot integrity.
- Our process guarantees complete product destruction and customer confidentiality; a Certificate of Destruction is provided upon request.

Environmental Safeguards

- All facilities are zero discharge.
- Facilities are in full compliance with the U.S. Environmental Protection Agency, the Department of Transportation, the R.I. Department of Environmental Management, and the Arizona Department of Environmental Quality.
- Scrubbers, dust collectors and secondary burners are used to control emissions.



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East Coast/Corporate Offices - 33 Kenney Drive, Cranston, RI 02920
West Coast - 2113 East Sky Harbor Circle South, Phoenix, AZ 85034
800.556.7296 - www.gannon-scott.com
email: sales@gannon-scott.com

Customer Resources



"Doing It Right" extends to every aspect of the business at Gannon & Scott. We pride ourselves on providing outstanding customer support and service. We recognize that exceptional attention to detail, strong communication and organizational skills are essential components to maintaining customer satisfaction.

We have the financial strength and stability you expect of a precious metals recycling, reclamation and refining partner. Our precious metals financiers and relationships are bullion market makers with world-wide operations. Combined with a strong balance sheet, Gannon & Scott has the capability to settle transactions on-time and offers a variety of settlement options.



Gannon & Scott Advantages

- Dedicated, Knowledgeable and Friendly Customer Service Staff
- Prompt, Accurate Settlements
- Strong financial position and banking relationships
- Strong compliance culture, from workplace safety to environmental regulations, KYC and AML
- Transparency at every level
- Unbiased metal pricing using published international market prices
- Selection of operational processes consistent with Optimizing Customer Yield

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Melting

Gannon & Scott's melting facilities are designed to efficiently handle a wide variety of scrap material while meeting the strictest requirements for accuracy and employee safety. Advanced technology, combined with our experienced, well-trained staff, ensures each customer the maximum recovery of their precious metals. Gannon & Scott has developed a number of specialized melting processes that give us the ability to provide the highest level of service for our customers.



Gannon & Scott Advantages

State-of-the-art electric induction melting furnaces ensure homogeneous samples.

A variety of furnace sizes accommodate a wide range of lot sizes.

Our 2000 pound capacity furnace gives us the ability to process large volumes of material efficiently and consistently.

A proprietary casting system reduces loss during the pouring operation.

Advanced environmental controls maintain compliance with all regulatory requirements.

Types of Material Processed

- Cathodes
- Dental Scrap
- Electronic Scrap
- Industrial Scrap
- Jewelry Scrap
- Plating Scrap

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Thermal Reduction/Milling

Gannon & Scott's thermal reduction capabilities accommodate a wide range of customer specifications. We maintain batch integrity throughout the thermal reduction, milling, screening and sampling processes.

Also, by roasting at low temperatures, we ensure against loss of material. These and other refining enhancements enable us to provide the highest return to our customers.



Gannon & Scott Advantages

- Our thermal reduction systems support a variety of customer requirements. Our tray furnaces allow us to process multiple lots simultaneously.
- For large lots, our automated low draft thermal reduction furnaces can process up to 600 pounds per hour while ensuring against loss of material.
- Ball mills ranging in capacity from 10 pounds to 4000 pounds pulverize the precious metal bearing material to less than 40 mesh.
- A closed-loop system transfers material by vacuum conveyance.
- Vibratory screening is used to separate the sweeps from the oversized material.
- High efficiency blending ensures that the material is fully homogenized prior to sampling.

Types of Material Processed

- Carbon-Based Materials
- Catalysts
- Data Destruction
- Electronic Scrap
- Flex-Circuits
- Floor Sweeps
- Fuel Cells
- Pastes/Syringes
- Polishings
- Resins/Filters
- Slags
- Sludges
- Wipes/Rags

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Solutions/Stripping



Gannon & Scott has the expertise and advanced technology to recover precious metals from solutions utilizing proprietary processes. Gannon & Scott also has the capability of recovering precious metals from vacuum deposition shield kits, sputtering targets, coated films, semiconductor and solar wafers.

Our facilities are designed to ensure the maximum recovery of precious metals while maintaining environmentally safe handling procedures.



Gannon & Scott Advantages

- All facilities are zero discharge.
- Precious metals are recovered using precipitation, reverse plating and ion exchange processes.
- Modern proprietary stripping process allows us to process large volumes of gold plated material efficiently.

Types of Material Processed

- | | |
|------------------------|---------------------|
| • Iodine Etch Solution | • Shield Kits |
| • Plated Materials | • Strip Solutions |
| • PGM Solutions | • Vacuum Deposition |
| • Plating Solutions | • Wafers |

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Analytical



Gannon & Scott's analytical services provide chemical analyses and assaying for our refinery operations and our customers. Our skilled laboratory technicians maintain a high level of expertise in fire assay, classical wet chemistry, AA and ICP methods to measure precious and base metals in a wide range of matrices and concentrations. Evidence of Gannon & Scott's accuracy and reliability is found in the quality control assays we perform each year for manufacturers, auditing firms and financial institutions.



Gannon & Scott Advantages

- Analytical procedures are customized by material.
- Our full-service laboratory utilizes a wide variety of precious metals analyses.
- Technical assistance is available to discuss analytical procedures and specifications with customers.
- A computerized information system facilitates data management.
- ISO 9001: 2008 certified.

Analytical Techniques

- Atomic Absorption
- Fire Assay
- Gravimetric Analysis
- ICP Multi-element Analysis
- Titration
- Volumetric Analysis

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