



ZIRCONIUM SCRAP

Zirconium is resistant to corrosion in most organic acids. Its corrosion resistance comes from a chemically inert oxide that forms to protect the metal. This makes zirconium especially important to the chemical processing industry.

Greystone Alloys accumulates smaller quantities of Zirconium and other nickel alloys combining them into larger orders for processors and mills.

Zirconium finds application in:

Nuclear Industry – 90% of all Zirconium produced is used in nuclear reactors because of its low neutron-capture cross-section and resistance to corrosion.

Aerospace Industry – Zirconium is used in space vehicle parts for their resistance to heat, an important quality given the extreme heat associated with atmospheric reentry.

Turbine Industry – High temperature parts such as combustors, blades and vanes in most modern gas turbines which are driven to ever higher firing temperatures to produce more electricity at less CO₂.

Dental Industry – the oxidized form of Zirconium is also used in dentistry for crowning of the teeth because of its biocompatibility, strength and appearance.

Zirc 702	
Element	Avg
Zirconium	Balance
Hafnium	.045 max