

Cost reduction for process metallurgy

Innovative products around technical gases

ReiCat is the leading company for gas purification and gas recycling. ReiCat develops and produces systems for the most efficient application of valuable technical gases.

Your application

- Plasma arc melting of Titanium alloys
- The plasma melting process takes place under an inert gas atmosphere, usually using high purity Helium or Argon [5.0 quality (99.999 %)].
- Helium is rare and not renewable
- The gas is not being consumed by the plasma melting process, but contaminated.

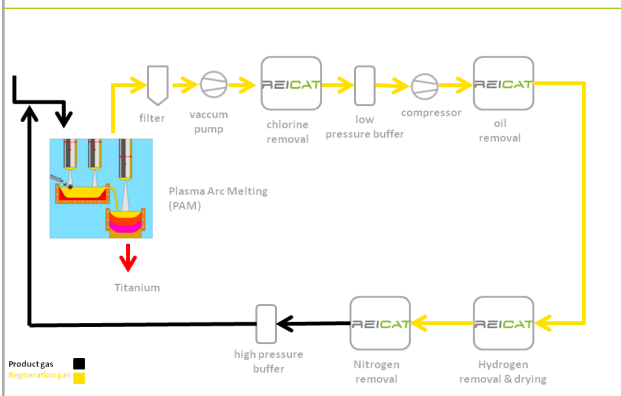
Your advantages

- Direct reduction of operating costs within your production
- Short amortisation period
- Easy integration into existing gas supply concept
- High availability by redundant design of all critical components
- Fully automatic operation with remote control
- Online control of required gas quality
- Coverage of Helium supply independent of varying prices

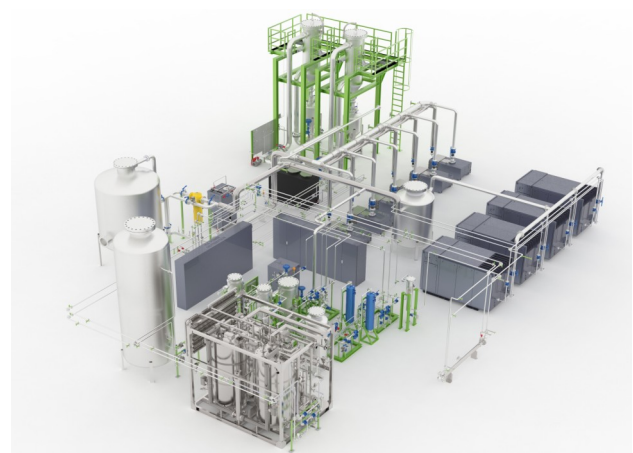
Our solution

- ReiCat has developed and implemented a recycling process **more than 95 %** of the Helium used for the melting process.
- The removal of the impurities H_2 , O_2 , N_2 , Cl_2 , dust particles and humidity ensures the needed pure gas quality.

He Recycling PAM



Diagram



Realization

02.790.0.340

PLEASE FIND MORE INFORMATION AT:

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