

Cost reduction for powder production

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

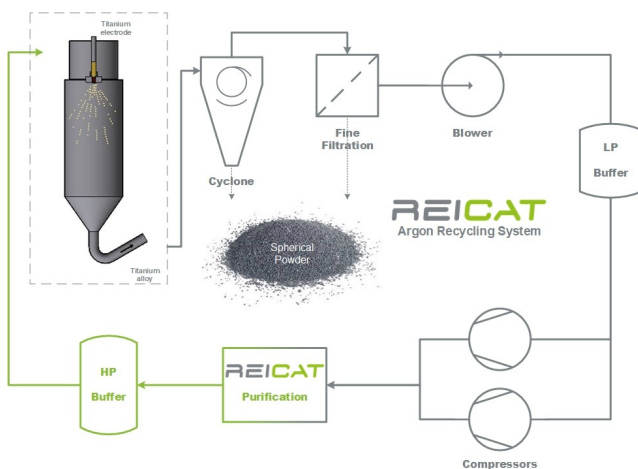
- Inert gas atomization - such as vacuum inert gas atomizer or electrode induction melting gas atomizer - for powder production of nickel, cobalt, iron based superalloys and reactive alloys such as titanium.
- For the atomization of molten metal high purity inert gas - such as argon or nitrogen - is required under high pressure conditions.
- Large amounts of inert gases are needed, which are accountable for up to 70 % of the operating costs.
- The used inert gas is normally filtered and emitted to the atmosphere.

Out solution

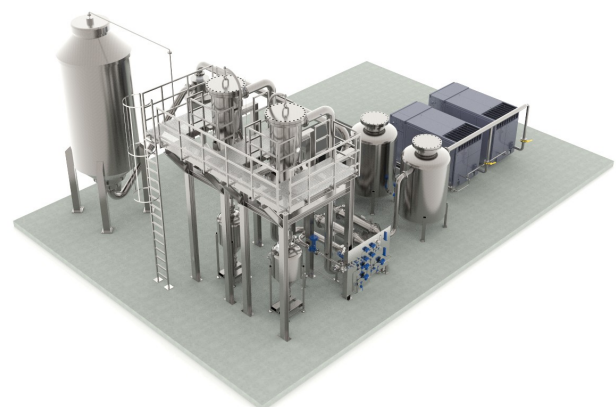
- ReiCat has developed a closed loop for the inert gas supply.
- By the means of fine filtration, compression and purification of the used inert gas **up to 95 %** of the required gas are recovered.
- The waste gas emissions are reduced to a minimum, fine particles are separated and can be lead back to the melting process.

Your advantages

- Reduction of argon consumption of **up to 95 %** (leak-free during production)
- Direct reduction of operating costs within your production
- Short amortisation period (< 2 years)
- Highest availability of systems for long-term operation
- safe dust removal
- Continuous monitoring of gas quality
- Automatic operation with remote control
- Controlling operating pressure on the atomizer
- Dust-free emissions,
- Environmental sustainability by Argon recycling



Scheme



Realization

02.825.0.340

PLEASE FIND MORE INFORMATION AT:

ReiCat GmbH, Zum Wartturm 7, 63571 Gelnhausen, Phone: +49 60 51 / 92 04-10
info@reicat.de, www.reicat.de

