Jet milling is a process of grinding materials using a high-speed stream of compressed inert gas to cause collisions between the particles as well as with the wall. This allows the materials to be broken into very fine particles, even below 1 micron in some cases. Jet milling is commonly used for chemicals, polymers and other friable materials that can be used for many different applications. Jet milling requires a large quantity of gas for operation and needs to be done under inert conditions for safety reasons.

In this case, a silicon-based material is broken down, where the powder is used as a feed stock for advanced high density battery anode materials.