

# Liquid Plasma as Processing Tool for Nanotechnology

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## Abstract

Recently, research on liquid plasma gained importance due to novel applications in Nano, environmental and medical technologies. Especially in nanotechnology it has a huge potential for novel nanomaterial production or nanoparticle coating for nanocomposites and also for environmental applications. The medical applications for killing bacteria and viruses cannot be neglected especially in pandemic times. The other potential is also for production of agricultural application for nitride production as fertilizer.

Plazmatek company designs and sells liquid plasma systems for sterilization of water, for nanoparticle production, and also for environmental purposes. Plazmatek also produces vacuum plasma systems for coating and deposition of nanoparticles and also nanocomposite production and nanoparticle coating systems and Nanoparticle production systems.

In this talk the liquid plasma production systems will be discussed and potential applications will be given.