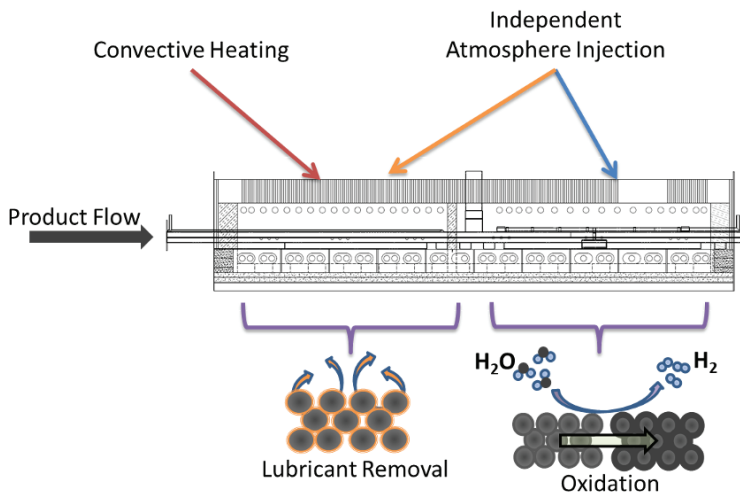


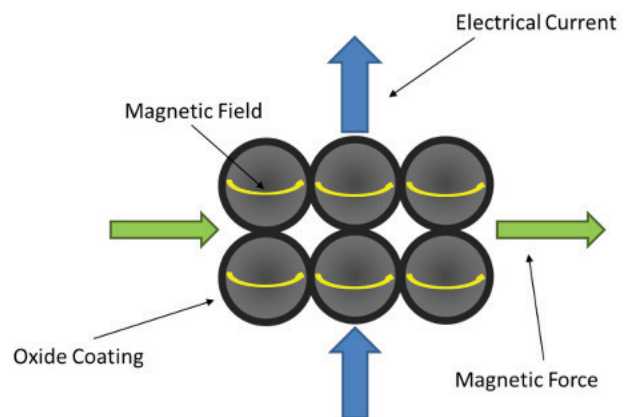


NAUTILUS SYSTEM

The Nautilus System is an innovation designed for the production of Soft Magnetic Components. Years of research in the areas of lubricant removal and the formation of coherent oxide coatings in high density components have been combined to provide an approach that enhances Soft Magnetic Component manufacturing. The Nautilus System utilizes convective heating and independent atmosphere injection to provide that optimal process environments.



The coherent oxide provides an insulation layer around each particle to improve properties.



Lubricant is required for the compaction of the powder metal component; however, if all of the lubricant is not removed prior to applying the oxide coating, carbon soot from the lubricant will contaminate the oxide coating and negatively effect the magnetic properties of the final component.

Soot Compromises the Coating

