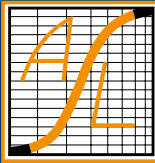




**Atomising
Systems
Limited**

WE MAKE THE POWDERS



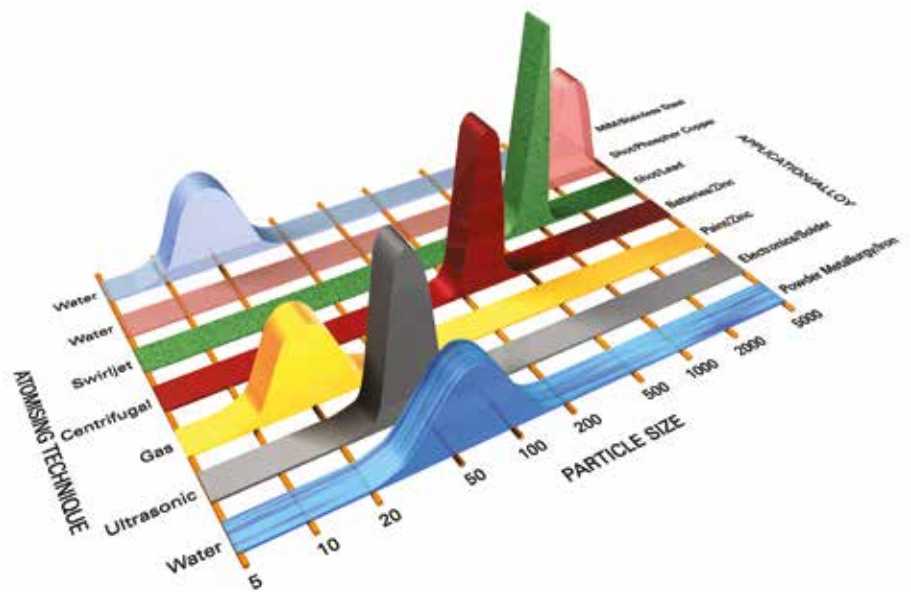
**Atomising
Systems
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WE MAKE THE POWDERS

ASL POWDER PRODUCTION

Our production facility in Sheffield is large enough to service your needs yet is still flexible enough to produce special powders with unique chemistries, particle sizes or morphology.

With our atomisation expertise from the design as well as operation of the atomisers we work with clients to produce powders that meet their specific requirements.



With:

4000t per annum of water atomisation

2500t per annum of gas atomisation

ASL SERVICE THE FOLLOWING INDUSTRIES:

- MIM
- Additive Manufacturing
- PM Filtration
- PM Parts
- Thermal Spray

As well as many others.



GAS ATOMISATION

Gas Atomisation offers the benefits of low oxygen, highly spherical powder and is generally used in demanding and specialised applications. Our gas atomiser is designed with ASL Anti-Satellite technology which considerably reduces the level of satellite particles. Finer powders can be produced using ASL's Hot Gas Atomising System.

Our gas atomised powders are widely used in MIM, Additive Manufacturing, Thermal Spray and surface coating industries.

Gas Atomised alloy types produced by ASL:

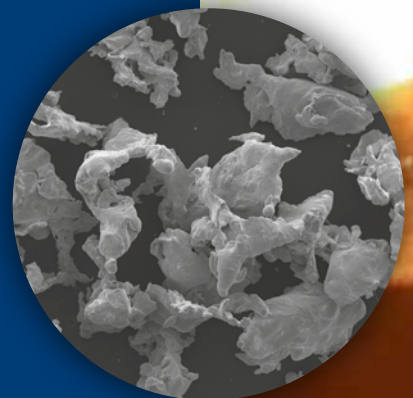
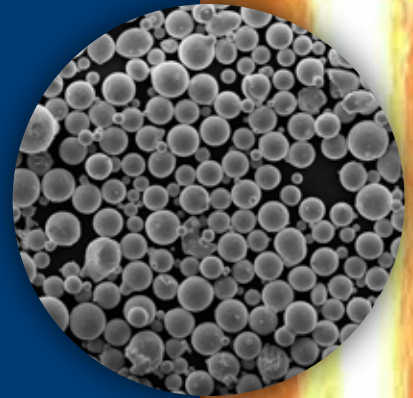
- Stainless Steel
- Fe based alloys
- Nickel based alloys
- Copper based alloys
- Others; Sn, Ag and Co alloys

WATER ATOMISATION

Water atomisation is chosen because it produces irregular shaped particles with a high level of chemical purity. The irregular shape offers the benefit of a much larger surface area which assists in chemical reaction applications. PM filtration relies on the irregular shapes to produce powder with very specific densities. PM parts manufacture relies on irregular particles to produce excellent quality green shapes prior to sintering.

Water Atomised alloys types produced by ASL:

- Stainless Steel
- Fe based alloys
- Ni based alloys
- Others; Co, Sn, Cu and Ag alloys





ASL PLANT

- We supply atomisers too.
- Water atomisers
- Gas atomisers
- Vacuum Gas atomisers with our partner Consarc

EXPERIENCE

Our client base is global. Many of our clients themselves are global and have local demands and legislations which ASL has met or exceeded.

It's not just simply powder metallurgy that ASL serves. For metals or non-metals and over a diverse range of industries, ASL adds value to your production.

- Feasibility studies
- Contract R+D Projects
- Turnkey Systems



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