

METAL COATING

MAHA™

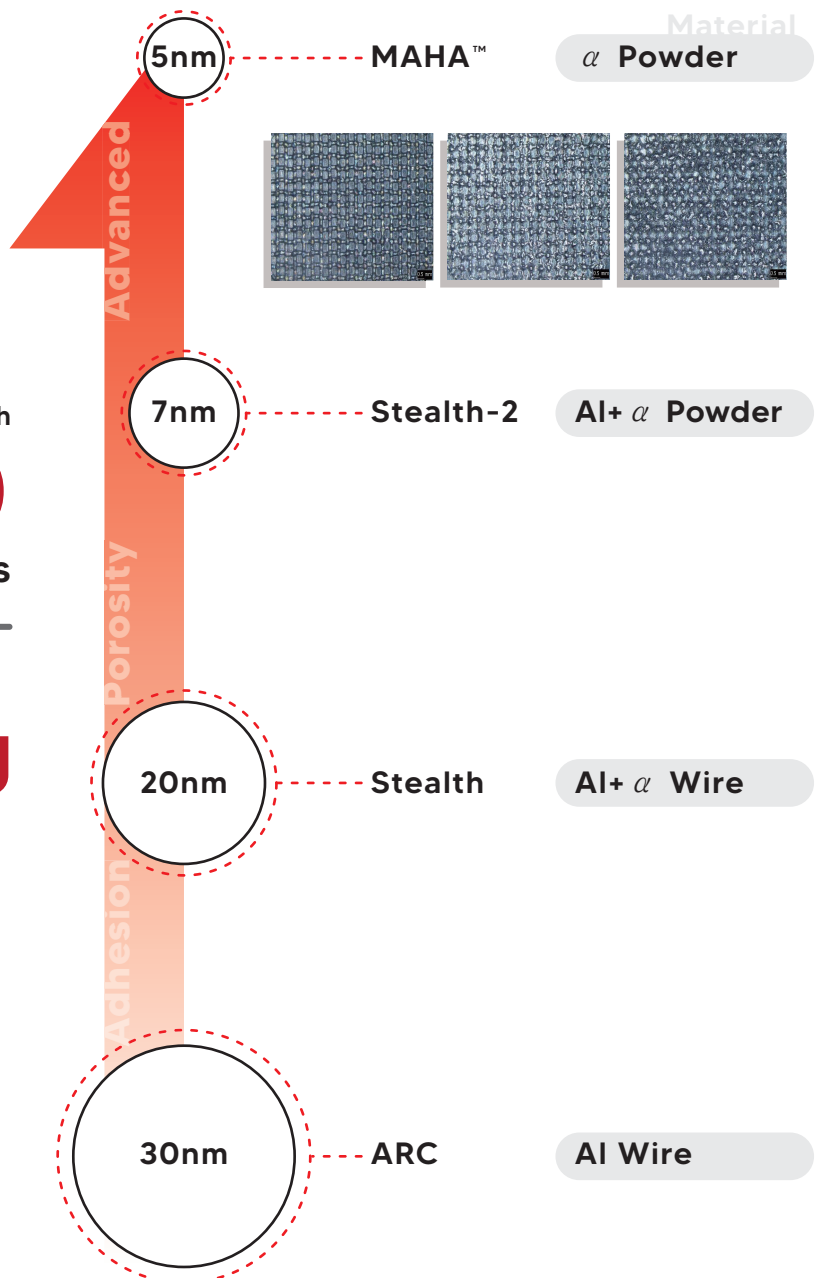
MAHA™ coating is a technology that forms a coating layer with a laser, which is different from the pre-existing metal coating, and the shape of the coating can be freely formed, and the roughness of the metal coating can be increased up to 6000μinch maximizing the processing usage time.

FREE
Coating Shape

μinch
6000
Max Roughness

Sputtering
All Process

0.003 %
Porosity



METAL COATING SERIES

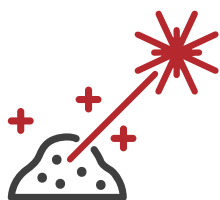
MAHA™

Benefit

MAHA coating has higher hardness than pre-existing Al ARC coating so, it reduces surface particles, and has very low porosity to reduce back up time due to low outgassing.

Due to its strong adhesive properties, it is possible to extend the lifespan of the part by minimizing coating lifting and maximizing the coating surface area without the restriction of coating shaping.

**Powder
+ Laser**



3D SHAPE



MINIMIZE P/C



**LIFE TIME
IMPROVEMENT**

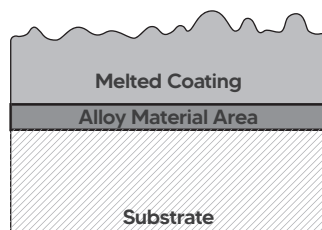
**Particle
Control**



Patent

10-2020-0117616

Coating method for semiconductor fabrication equipment using a laser beam and metal powder and the deposition semiconductor fabrication equipment thereby having the coating



Adhesion

High Adhesion by Melting the Substrate and Alloying with the Powder

Unlike a conventional metal coating, MAHA coating uses a laser to melt the substrate and coating material together and deposit the coating to greatly improve adhesion and minimize issues caused by coating lifting.

Performance
Technology
Quality

For Sputtering All Process