



MAKIN METAL POWDERS (UK) LIMITED

ULTRA-FINE POWDERS

Ultra-Fine Powders (UF grades) find applications across a range of sectors and technologies. The main features of these grades are their small particle size and narrow Particle Size Distribution (PSD), lending themselves to the production of intricate and miniaturized components as well as their ability to be "fluidised" for spraying. They are available in a number of different morphologies (spherical, irregular, dendritic) and compositions (including tin, copper and bronze). For specific requirements please contact us.

Grade/ Property/Availability	UF5	UF20 AC	UF20
Particle Size, $d_{(0.5)}$	ca. 5 microns	ca. 5 – 10 microns	ca. 15 – 20 microns
Spherical	Yes	Yes	No
Irregular	Yes	Yes	Yes
Dendritic	Yes	Yes	No
Copper	Yes	Yes	No
Tin	Yes	Yes	Yes
Bronze	Yes	Yes	Yes

Typical Applications:-

Metal/Powder Injection Moulding
Electronics
Thermal and Cold Spraying