

INTRODUCTION TO METAL POWDERS AND ADDITIVE MANUFACTURING TECHNOLOGY

SELECTIVE LASER MELTING/ ELECTRON BEAM MELTING

- Complex shapes
- Thin walls
- Better surface finish

BLOWN POWDER TECHNOLOGY

- Free form & Cladding
- Large parts
- Coarser powders

3D INKJET PRINTING

- High tolerance
- Good surface finish
- Thin walls
- Small complex components

GRADES OF POWDER

Q4A 718	Q4A 17-4PH
Q4A ALLOY X	Q4A 316 TI
Q4A 625	Q4A 316 L
Q4A 738	Q4A 15-5PH
Q4A C276	Q4A 304 L
Q4A 59	Q4A 420
Q4A 926 L	Q4A 13-8
Q4A WAsPALOY	Q4A 410
Q4A 600	Q4A 416
Q4A 601	Q4A 309
Q4A 400	Q4A 310
Q4A K500	Q4A 904 L
Q4A KOVAR	Q4A 32750
Q4A 36	Q4A 430
Q4A GRADE 1	Q4A 434
Q4A GRADE 5	Q4A 440 C
Q4A GRADE 23	Q4A 440 B

QUEST 4 ALLOYS LTD

FUSION HOUSE, THE CRESENT
WILLENHALL,
WESTMIDLANDS
WV13 2QR
ENGLAND



QUEST 4 ALLOYS

At Quest 4 Alloys we specialise in the supply of rare and exotic Nickel Alloys and Stainless Steels in most product forms including:

COIL, FOIL, POWDER, SHEET, PLATE, BAR,
FORGINGS, TUBE, PIPE AND FITTINGS

We have a comprehensive range of materials we stock and supply on short delivery times all over the world that include:

NICKEL ALLOYS, STAINLESS STEEL, DUPLEX, SUPER DUPLEX AND TITANIUM

All of this activity has enabled Quest 4 Alloys to develop a wealth of experience and expertise in these specialised supply areas which ensures that we can offer assistance with any of your Nickel Alloy, Stainless Steel and Titanium requirements.





ADDITIVE MANUFACTURING

Additive manufacturing is the process of building parts by joining the materials layer by layer from a CAD file.

The advantages of Additive manufacturing are;

Rapid production of manufacturing aids.

Reduces costly machining

Increases efficiency

Allows for production without tooling

Reduces waste

Allows businesses to produce prototype parts on short lead times at a lower cost.

For further information and prices please contact our sales team
sales@quest4alloys.com



MARKETS

- AEROSPACE
- MEDICAL
- AUTOMOTIVE
- INDUSTRIAL
- TOOLING
- CONSUMER GOODS

METALS

TITANIUM, ALUMINIUM, NICKEL, COBALT, STAINLESS, TOOL STEELS, COPPER & PRECIOUS METALS



Contact Us

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