



Pharmaceutical & Bio Synthetics

NeoNickel is the European market leader in the supply of corrosion resistant and high temperature alloys for the Pharmaceutical & Bio Synthetic market.

Alloy 22 has been selected as the alloy of choice for the manufacture of multipurpose pharmaceutical plants globally. Typical environments are organic solvents, sodium chloride with high levels of chlorides or fluorides present.

Alloy 22 has increasingly replaced the use of glass, carbon steel, glass lined or flouroshield lined process plant and stainless steel process equipment.

AL-6XN® is now increasingly being used in the Bio Synthetics market as an upgrade to 316L where the environment does not dictate the use of alloy 22.

Hygienic products including : tube, pipe, pipefittings , ferrules and flanges are now available in alloys 22 and AL-6XN® for use in high purity applications in the pharmaceutical and bio synthetic market.

Associated Alloys:

Nickel Alloys

Alloy 22
Alloy C276

Stainless Steels

AL-6XN®

Super Duplex Stainless Steels

F55
UNS S32760
ZERON® 100
ZERON® 100 AFP

Commonly Used Applications:

- Solvent Recovery Plants
- Neutsche Pressure Filters
- Conical Mixers and Driers
- Tray Driers
- Glove Boxes & Containment Vessels
- Centrifuges

PRODUCT FORMS

Available product forms:

- Plate
- Sheet
- Coil
- Bar
- Pipe
- Tube
- Fittings
- Flanges
- Welding Consumables
- Added Value Components
- Machined Components
- Valve Seats
- Precision Ground Bar & Shafts

PROCESSING

- Laser
- 2D Laser Inspection
- Waterjet
- Guillotine
- Bar Saw
- Plate Saw
- Metal Spinning
- Positive Material Identification

In addition to the wide range of alloys and product forms available from stock, our Sheffield Conversion Centre can now offer a range of items produced by:

- Open and Closed Die Forging
- GFM Forging
- Rolling
- Heat Treatment
- Machining / Grinding

Qualified metallurgists control all processing, inspection, mechanical and corrosion testing and NDT.

LABORATORY SERVICES

Our laboratory provides:

- Laboratory testing
- Failure analysis
- Materials selection, process & application review - plant visit and consultancy
- Formal reports

OUR LOCATIONS

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TECHNICAL PROBLEM?

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