

« Helping manufacturers across the globe achieve sustainable leaner manufacturing processes »»

# Clad Metals

CUT TO LENGTH  
WIRE & COIL

Fast  
Turnaround  
Processing



Low Width  
Thickness Ratio  
3:1 unique to the  
industry (normal  
minimum is 8:1)

WIDE  
STOCK  
RANGE

Over  
75 years  
Experience



FM 02114



# Clad Products

Clad Metals are created when two or more metals are joined together through a laminating process. Clad products are ideal when a product requires material characteristics and properties that cannot be found in a single metal. By combining metals, the superior properties for each, such as strength, corrosion resistance, thermal and electric conductivity, weight, surface finish, availability, cost, even material availability, clad material can create the exact blend of properties needed.

As a result, Clad Metals offer designers, engineers and manufactures the freedom to create new solutions with targeted properties for even the most unique design challenges. This makes Clad products an ideal material of choice for a number of sectors including Petrochemical, Oil and Gas, Construction, Aerospace, Telecommunications, Domestic Appliances, Electronics, Medical and Defence.



## Clad Aluminium

Clad Aluminium is becoming widely used as a lower cost alternative to Copper, with better durability and lighter weight. It has a high heat transfer and corrosion resistance, which lends itself to many applications including heat exchangers.

In an era of manufacturing where environmental concerns are increasingly a priority, Clad Aluminium offers several environmental benefits as it is easy, quick and cost effective to recycle.



# **CLAD METALS: PUSHING THE FRONTIERS OF MANUFACTURING & DESIGN THROUGH INNOVATIVE MATERIAL SOLUTIONS**





# Processing

## Your Material Your Way

The Knight Group are industry leaders in the supply and processing of strip, coil and wire, consistently exceeding expectations of quality, service and performance. With a number of accreditations, including BS EN ISO 9001 and BS EN AS 9120, we are the supplier of choice for global manufacturers where quality, reliability and lean manufacturing are at the heart of their priorities. Most manufacturers are facing increasing demands for goods to be delivered with tighter time frames and even tighter margins. By selecting the processing to meet your specific needs, your material can be prepared and delivered to the exact size, length and finish you need, saving valuable production time and costs. Our processing is offered at a comprehensive price and with a flexibility to select only the services you need and want, giving you maximum versatility and minimum cost.

We have invested heavily in our bespoke machinery and training our established team of operators, so that we can offer a truly comprehensive range of processing to complement our extensive range of stocked material.



**8 Cut To Length Lines  
5 Edge Finishing Lines  
27 Recoiling Lines  
26 Slitting Lines  
4 Traverse Winding Lines**

**Low Width Thickness Ratio 3:1  
unique to the industry  
(normal minimum is 8:1)**

**Ability to offer Ultrafine Width  
Tolerances down to  
+/- 0.025mm (0.001")**

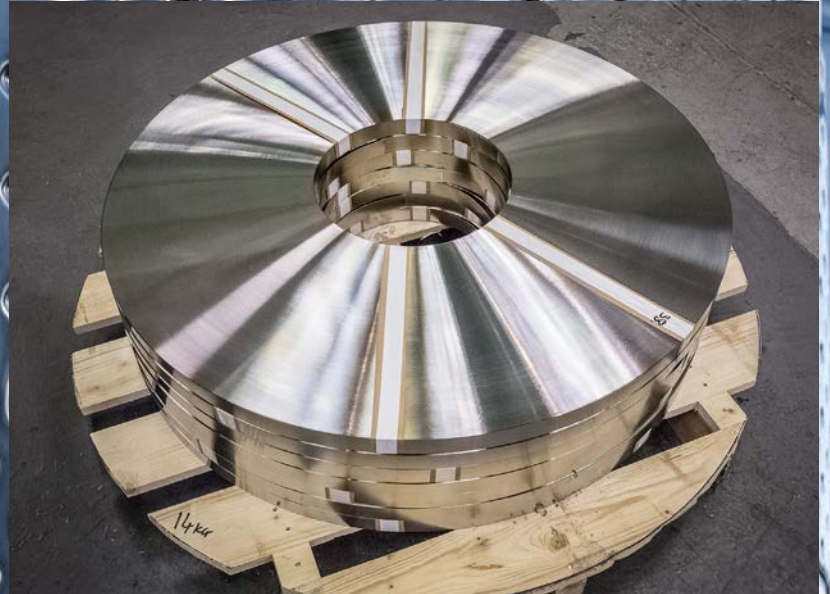
**Thicknesses -0.013mm to  
6.5mm (0.0005" to 0.26")**

**Widths - 0.64mm to 1100mm  
(0.025" to 43")**

## Bespoke Packaging

If you need bespoke material sizes and processing, then you probably want bespoke packaging as well. Thanks to our in house packaging design team, we can offer bespoke packaging solutions to protect your materials in transit. Whatever processing and finishing options you have chosen, your products will be packaged to arrive safely and ready to use

**You can choose to have strip material as pancake coils, traverse wound coil, flat blanks and sheets. Wire can be supplied as cut lengths, coils, formers or spools to suit your needs.**



## Choose From Our Trusted Partners Or Your Preferred Carrier

We firmly believe that all of our customers should be able to have your material, your way. Thanks to our global network of freight providers, you can choose from air, land or sea freight so you can have your material where you want, when you want.

There is also the option to arrange your own collection from our site in Birmingham, which can be organised through our sales team.



The information contained herein is given in good faith and is based on our present knowledge and experience. However, no liability will be accepted by The Knight Group and its subsidiaries in respect of any action taken by any third party in reliance thereon. Any advice given by the Company to any third party is given for that party's assistance only and without any liability on the part of the Company.

Any contract between the Company and a customer will be subject to the Company's Conditions of Sale. The extent of the Company's liabilities to any customer is clearly set out in those Conditions; a copy of which is available by request and can also be found at the back of this brochure and on our website.

## **Knight Group**

### **Head Office**

Linkside, Summit Road  
Cranborne Industrial Estate  
Potters Bar, Hertfordshire  
EN6 3JL United Kingdom  
Main Office : +44(0)1707 650251  
Fax: +44(0)1707 651238  
info@knight-group.co.uk

## **Knight Strip Metals Ltd**

### **Sales, Processing & Warehouse**

#### **Saltley Business Park**

Cumbria Way,  
Saltley  
Birmingham  
B8 1BH United Kingdom  
Telephone: +44 (0)121 322 8400  
Fax: +44 (0)121 322 8401  
Sales 08456 447 977  
sales@knight-group.co.uk

## **Precision Metals EU**

Industriezone Mechelen-Noord (D)  
Omega Business Park  
Wayenborgstraat 25  
2800 Mechelen  
Belgium  
Telephone: +32 (0) 15 44 89 89  
Fax: +32 (0) 15 44 89 90  
export.sales@knight-group.co.uk

### **Visit our websites:**

Main: [www.knight-group.co.uk](http://www.knight-group.co.uk)  
Offcuts: [www.ksmdirect.co.uk](http://www.ksmdirect.co.uk)

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