



ENTRUSTED TO DELIVER MULTI-METAL SOLUTIONS

[www.kloecknermetalsuk.com/services](http://www.kloecknermetalsuk.com/services)



# KLOECKNER METALS UK

Kloeckner Metals UK are the largest mill independent multi metal stockholder & distributor in the UK and are a key member of the Klöckner & Co. group, the largest producer independent distributor of steel and metal products and one of the leading steel service centre companies in the European and American markets combined.

## Our Vision

Entrusted to deliver excellence in multi-metal solutions.

## Our Mission

We deliver innovative metal solutions by investing in people, processes and technology, always adding value to our customers and shareholders.

## Our Goals

Drive towards zero accidents by using our 'Safety 1st system'. Investment in services offerings, equipment & technology. Continuous operational efficiency (10C); Promotion of a Quality Culture via the development of procedures and achievements of accreditations. IT/System Investment: CRM, SAP, Microsoft Environment. Implement performance management processes: remuneration, reward alignment, skills training and development.

The nation-wide coverage afforded by our many sites, each offering a broad array of products and processing facilities, allows us to deliver a personal, local service backed by global purchasing strength. This provides an unrivalled ability to meet the individual requirements of our customer.

Our total commitment to customer service continues to allow Kloeckner Metals UK opportunities to support our customers' needs; be it product range, development of new products or processing requirements. A fast and efficient service is assured.



# VALUE ADDED SERVICES OFFERING



## Flatbed laser

- Stainless & Mild Steel >25mm
- Aluminium >15mm
- Bed Size 4050mm x 2000mm
- Laser power 6kw



## Tube Laser

- Stainless Steel / Mild Steel & Aluminium
- 3D processing / Laser power 3.5kw
- Circular tube > 220mm / Square & Rectangular tube > 200 x 200mm
- Also available: Channels and Beams



## Drilling

- Carbon Steel Universal & Plate Beams / Channels & Angles
- Hole diameter 8mm > 40mm / Length capacity > 21.0m



## Sawing

- Carbon Steel Long Products & Hollow Sections
- Length capacity > 22.0m
- Square & Mitre cutting > 60°



## Waterjet

- All materials available >200mm
- Bed Size 4000mm x 2200mm
- Zero heat affected zones from process



## Profiling

- Carbon Steel Reversing Mill Plate & Strip Mill
- High Definition Plasma > 40mm & Oxy-Fuel >250mm
- Bed Size 14000mm x 4000mm
- CNC Plate Drilling facility for Profiles / Hole diameter >70mm



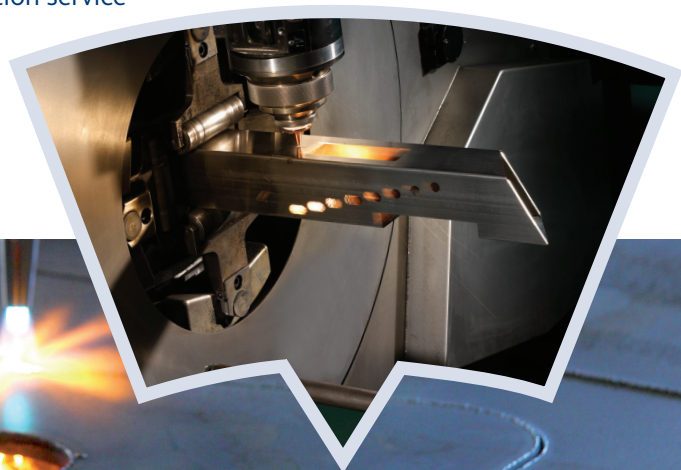
## De-Coiling

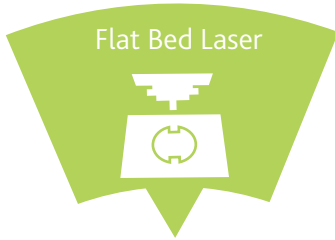
- Carbon Steel (Cold Rolled) / Coated (Galvanised / Pre-Paint / Specialist)
- Gauge range 0.4mm > 3.0mm
- Slitting / Re-coiling / Shearing related services available



## Fabrication

- Automated Plate Girder fabrication (T&I) line
- Patented Cellular Beam Manufacturer
- Full fabrication service





Flat Bed Laser

## LASER CUTTING

- CE Marking To Execution Class 4
- Cut Quality (Thermal Cutting Best In Class)
- Cutting Tolerances (+/- 0.025mm)
- Accurate Slots & Intricate Shapes Available In Profile.
- Eradication of Secondary Processes (Elimination of Drilling / Machining)
- Etching Identification (Part Numbers Can Be Automatically Etched on Profiles)
- Innovation (Tab & Slot Replacing Expensive Fixtures Etc.)
- Repeatability
- Automation / Efficiency (Lasers Have Two Cutting Beds)

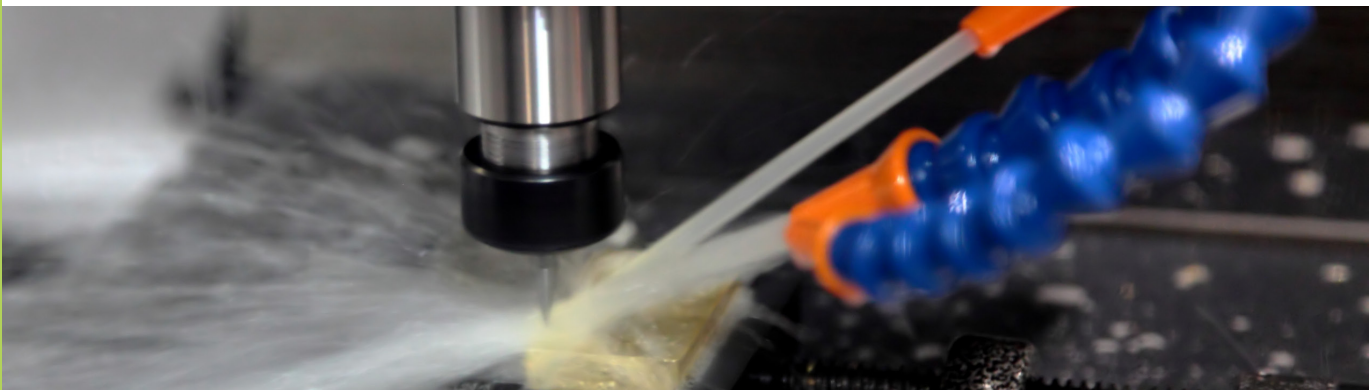
### PRODUCTS

- Stainless Steel
- Aluminium
- COR-TEN®
- Galvanised Steel
- Carbon Steel
- Non Ferrous

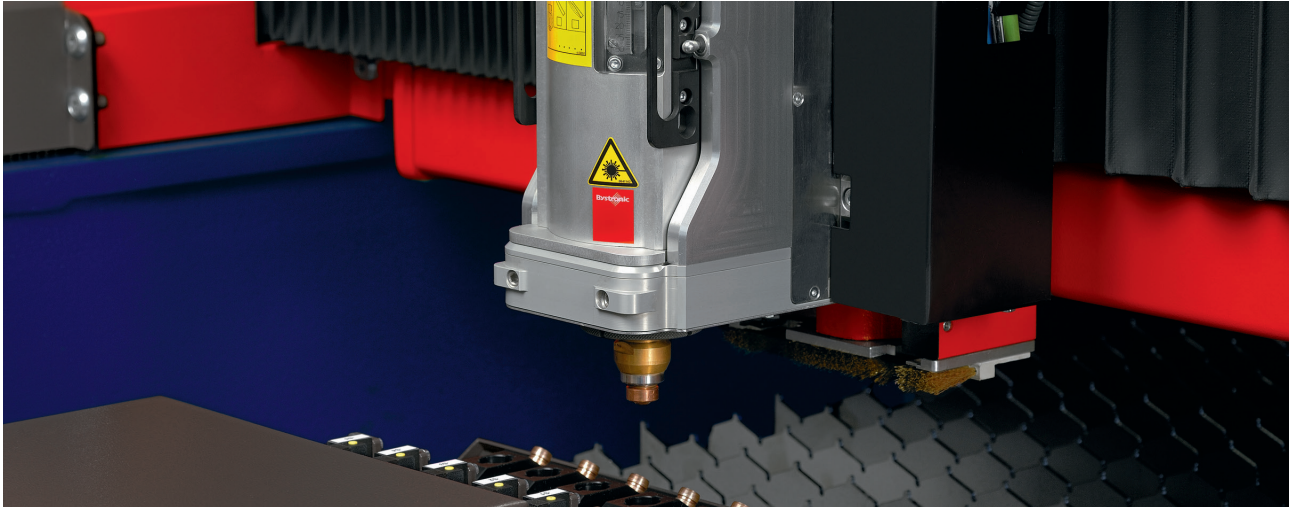


BySprint Fiber 4020

Cuts faster, saves energy and relies on fiber technology







#### MODEL 4020-With Bytrans Line Short Loading System

- 6Kw Resonator Fiber Laser
- Bed Length 4000mm (Max Length 4050mm)
- Bed Width 2000mm (Max Width 2025mm)
- Bed Max Plate Weight 1600kg

#### MODEL 4020-With Bytrans Cross Loading System

- 6Kw Resonator CO2 Laser
- Bed Length 4000mm (Max Length 4050mm)
- Bed Width 2000mm (Max Width 2025mm)
- Bed Max Plate Weight 1600kg



## WATER JET

- CE, no heat is transferred to profile so CE Marking is exempt for construction
- High quality cut
- Cutting tolerances (+/- 0.025mm)
- Cut up to 200mm thick in all etals (Laser 25mm Max Stainless, Aluminium 15mm Thick)
- No heat affected zone (Maybe specified for this reason due to application)
- Multi head cutting available (Can have limited use due to nest configuration)





## PLASMA & OXY-FUEL

Kloekner Metals UK are able to offer Hot Rolled Plate in a market leading range of steel grades and sizes both as full plate or as profiled parts. Significant investment in machinery and handling equipment has established high capacity profiling operations in two sites allowing us to offer a competitive lead time nationwide. The plasma and oxy-fuel cutting service is complimented by on-site drilling and edge preparation capabilities. The profiling operation is supported by dedicated CAD operations and a Quality function enabling us to fulfil the most demanding or complex requirements.

## CAPABILITIES

### OXY-FUEL PROFILE CUTTING

- CE Marking to Execution Class 4
- Cutting Capability up to 250mm
- Individual piece weight of 18 tonne
- Multiple head cutting for maximum efficiency
- Standard tolerance +/-2mm, tighter tolerances available on application

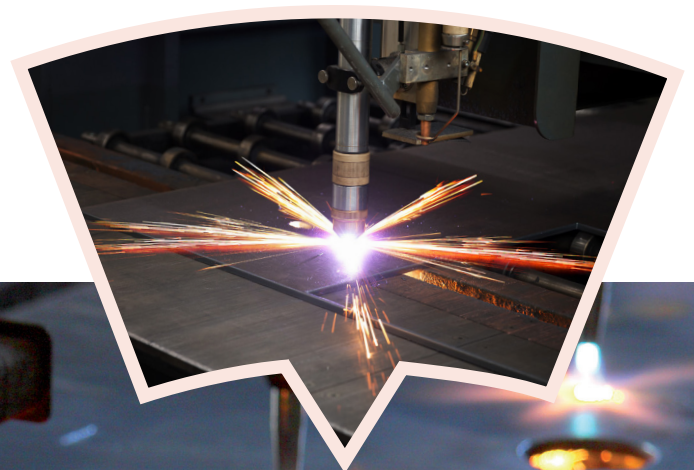
### PLASMA PROFILE CUTTING

- Hi-Def cutting up to 40mm thick
- Full cutting capabilities up to 4m wide
- Multiple head machines for maximum efficiency
- Standard tolerance +/-1.5mm, tighter tolerances available on application
- Full plate etching available across all machines

## WELD PREPARATION

Full weld preparation service available in-house at our flagship Plate & Profiling service centre in Durham.

[WWW.KLOECKNERMETALSUK.COM](http://WWW.KLOECKNERMETALSUK.COM)







Kloeckner Metals UK Westok deliver innovative metal solutions by investing in equipment, technology and people. We offer services including Profiling, De-Coiling, Laser Tube Cutting, Fabrication, Sawing & Drilling along with many other capabilities.

These added value services enhance our wide range of high quality products making us your perfect business partner.





**kloeckner metals**

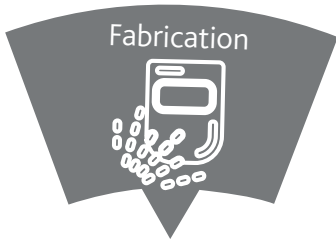
UK | Westok

Kloeckner Metals UK Westok gave us total confidence that the 74,000 sq ft BAR base in Portsmouth could be delivered to our incredibly tight schedule. The turn-around time for fabricated Westok beams was fundamental to delivering this complex, bespoke structure from planning approval to occupation in less than 11 months.

In my 30 years in the construction industry, I have never worked with a more focused and effective structural steel supplier. They were a vital component of a very special team".

Jonathan Goring  
Team Base Project Director, Ben Ainslie Racing





## WESTOK

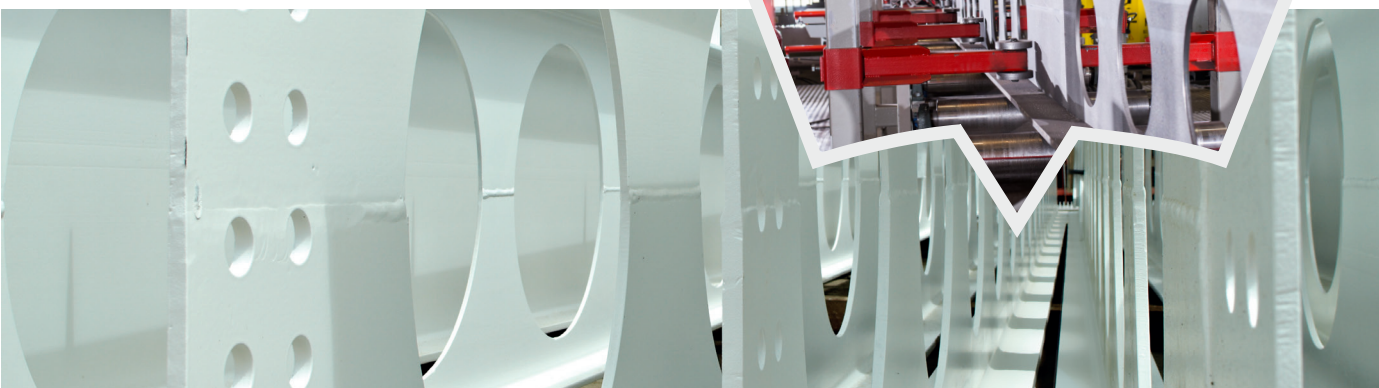
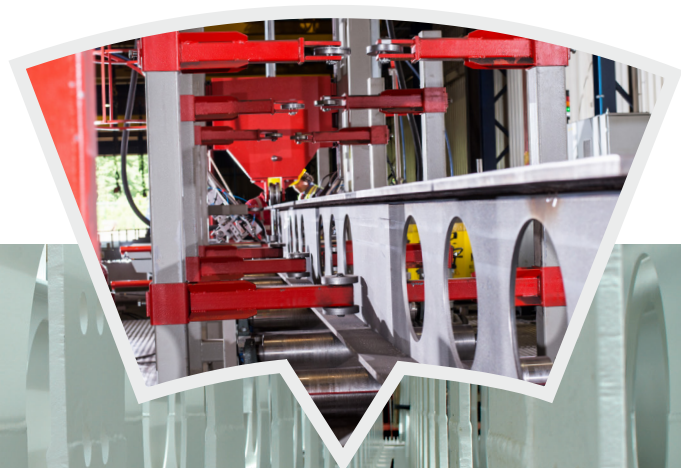
Kloeckner Metals UK Westok is a specialist steelwork fabricator and designer within the Klöckner & Co Group. We drive economy into the design of steel framed structures with our unique range of patented cellular, shallow and plated beam solutions and software packages. We have invested heavily in recent years, and our modern manufacturing facility boasts state of the art plasma-head profiling capabilities, as well as a submerged arc welding T&I line to facilitate the rapid automated manufacture of the Westok Plate Beams. Along with the manufacture of carcass Westok beams, Ultra Shallow Floor Beams® (USFB), castellated beams, plate beams and box girders, we also offer a full fabrication service, including shot-blasting and priming capabilities. Fabrication work is supported by twenty-one linked overhead cranes. The maximum lift capacity in the works is 20t, which facilitates the movement and fabrication of heavy plate and box girder sections.

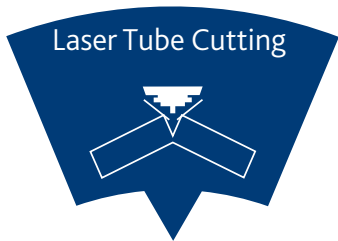
We have led the way in testing and evolving our understanding of the behaviour of cellular beams. We employ a team of talented structural engineers who assist with the design and specification of our products. We are certified to the prestigious Execution Class 4 for CE-marking certification purposes, and is a proud member of the British Constructional Steelwork Association (BCSA), the Steel Construction Institute (SCI) and the Association of Specialist Fire Protectors (ASFP). We employ a team of experienced and talented structural engineers with a varied background in engineering consultancy, structural steelwork manufacture and fabrication, and Engineering/Building Information Modelling (BIM) software specification and development.

Our engineers can advise on a wide range of technical queries related to cellular beams and plate beams, including issues such as local bending and shear design checks, software and BIM queries, deflection, pre-cambering, vibration, fire, costing, transportation, connection details, disproportionate collapse detailing, and the best use of cellular beams in applications which utilise the cells either for service integration and/or in support of the building's ventilation strategy.

- ✔ Cellular Beams
- ✔ Plate Girders
- ✔ USFB
- ✔ Box Girders
- ✔ Tapered
- ✔ Asymmetric
- ✔ Curved & Cambered
- ✔ T-Sections
- ✔ Shotblasting & Priming
- ✔ Cutting to length

VISIT KLOECKNER METALS UK WESTOK ONLINE AT:  
[WWW.KLOECKNERMETALSUK.COM](http://WWW.KLOECKNERMETALSUK.COM)



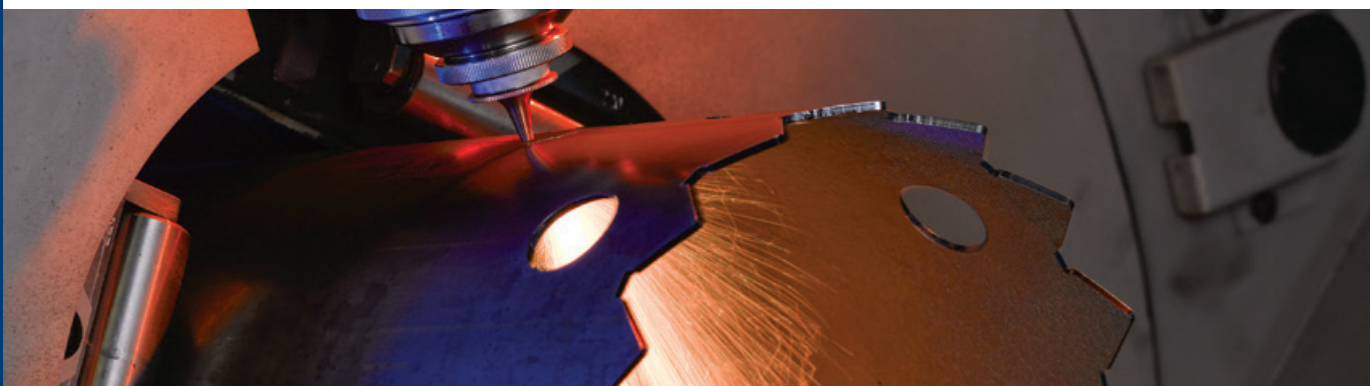


The latest additions to the Kloeckner Metals UK processing family are our new multi-axis 3D tube lasers. Fully automated and CNC controlled they can process Stainless Steel and Mild Steel sections cleanly and consistently. Located at our newly re-furbished National Tube Processing Centre Dudley, in the heart of the Midlands, allows Kloeckner Metals UK the ability to deliver throughout the whole of the UK. The LT8 Tube Laser cutting machines provide customers with the complete in-house solution for all tube cutting requirements. The LT8 is a 3D laser pipe cutting machine that excels for the highest flexibility and user-friendliness, as well as for top quality and extremely precise laser cutting, on tube diameters from 12 to 220 mm and a bar weight up to 35 Kg/m. Equipped with a tilting head, it allows 3D cutting on all sections (open and special profiles included). Due to an efficient automatic loading system combined to a unique and ingenious unload, the productivity of the LT8 has no comparisons in its range. The automatic nesting software combined with the reduced end bar scrap, helps still better to exploit the available material.

Complex productions such as cutting different pieces on the same bar or batch changing among bars with different sections, are managed in automatically. The machine is able to propose and select the best suited choice for every production phase. Expert operators can manually handle every setting.

	Product	Min Size	Max Size	Max Thickness
Round	Mild Steel	12mm	220	12mm
	Stainless Steel	12mm	220	6mm
	Aluminium	12mm	220	5mm
Square	Mild Steel	12mm	200	12mm
	Stainless Steel	12mm	200	6mm
	Aluminium	12mm	200	5mm
Rectangle	Mild Steel	12mm	200	12mm
	Stainless Steel	12mm	200	6mm
	Aluminium	12mm	200	5mm
Channel	Mild Steel		200 x 90	12mm
	Stainless Steel		200 x 90	6mm
	Aluminium		200 x 90	5mm
Angle	Mild Steel		200 x	12mm
	Stainless Steel		200	6mm
	Aluminium		200 x	5mm
Flat	Mild Steel		200	12mm
	Stainless Steel		200	6mm
	Aluminium		200	5mm

Please Note: Maximum linear weight limit 35 kilos per metre (kgm) on all products above.



## DESCRIPTION

Round profiles	12mm – 220mm
Square profiles	Up to 200 x 200mm
Angles	200mm x 200mm
Channels	200mm x 90mm
Flat Bars	200mm
Tube Loader Length	12500mm
Unloader Length	8500mm
Bar Weight	Max 35kg/m
Source Laser power	3500W
Digital CNC	Siemens 840D Solution Line
Materials processed	Carbon Steel

## TECHNICAL DATA

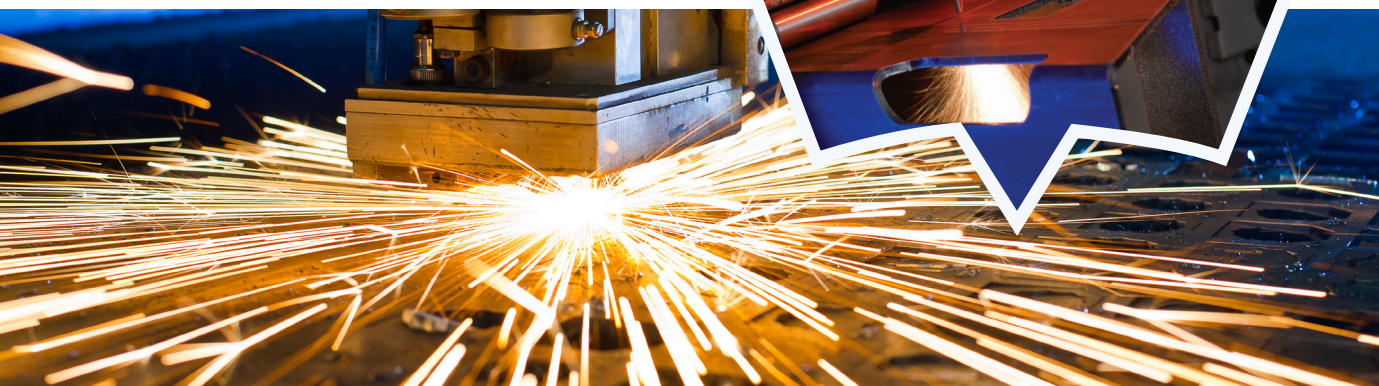
Stainless Steel
Aluminium
Others on request
Mild Steel 12mm
Stainless Steel 6mm
Aluminium Extrusion 5mm

## MAXIMUM MATERIAL THICKNESS



## TUBE LASER ADVANTAGES

- Faster processing of complex tube slotting and drilling
- Fully CNC automated process
- High volume output creating 'kits' of parts ready for assembly
- Cost savings on tooling, production and machine costs
- CE marked to exec class 4
- Highly trained CAD team







As part of our value added services, we offer a high quality, industry leading shotblast and paint line which is fully integrated with our automated Sawing Systems and other processing facilities including our drilling line.

## PRODUCTS

UNIVERSAL BEAM  
UNIVERSAL COLUMN  
SQUARE HOLLOW SECTION  
RECTANGULAR HOLLOW SECTION

CIRCULAR HOLLOW SECTION  
CHANNEL  
EQUAL ANGLE  
UNEQUAL ANGLE

FLATS  
FLAT PRODUCTS  
GENERAL

## FINISHES AVAILABLE

### PRIMER PAINTED IN

- 25 µm. GREY
- 25 µm. RED

- 75 µm. GREY
- 75 µm. RED

### SHOT BLASTED - ADDITIONAL SERVICES

- Straight Cut
- Laser Processing
- Mitre Cut
- Drilling



Every saw has a fully programmable, integrated touch screen PC control and is able to accept cutting data manually, in DSTV file, DSTV + file or Microsoft Excel Format. Capable of handling dimensional properties of between 10mm x 20mm upto 1300mm x 700mm our processing equipment is perfectly geared to the comprehensive and exacting requirements of today's client base. This equipment gives us the facility to handle lengths of up to 22 metres with a mitre cutting capacity of up to 60 degrees.

Standard cutting tolerances outside of +/- 2mm can be made by prior agreement and the tolerances on mitre cutting are geared to a +/- 0.5 degrees variance. From bundle cutting to single bar processing the micro-dosage oil mist cutting lubricant ensures a virtually lubricant free cutting process assisting in the final fabrication process.

### Key Features

- Fully Programmable Saws
- Cutting data accepted in many file formats
- Able to handle lengths of up to 22 metres
- Mitre cutting capacity of up to 60 degrees.







## LONG PRODUCT DRILLING

Our drill line is heavy duty, high speed, high performance and fully automated. It can accurately centre mark and drill all structural steels, the drill unit has an automatic tool changing device and fast change chuck.

This carries a magazine which can contain up to five tools complete with chuck sleeves, fixed directly to the drill unit to enable these tools to be inter-changed in the shortest possible time. Utilising the three drilling heads available on the machine we are also able to simultaneously drill on 3 faces of the material being processed, again reducing lead times and introducing cost benefits directly to our clients.

We have the facility to hard stamp most products with bespoke identifying marks or cast numbers. Details of this service can be supplied. The drill line has the capacity to automatically process materials ranging in lengths from 1.2 metres to 21 metres, with a manual feed capacity of a minimum of 1200mm to a maximum 20000mm.

## PLATE & COMPONENT DRILLING

- Fully programmable CNC drilling/machining platform.
- Individual piece size up to 2020mm x 2020mm.
- Hole sizes up to and including 70mm diameter.
- Tapping up to and including 42mm diameter.
- Countersinking and specialist edge profiling available on request.
- Fully capable of drilling and machining 400bh plate.
- Multiple setup capabilities for maximum efficiencies.



Kloekner Metals UK offers a comprehensive range of light gauge de-coiling and guillotining services. Our service centre, Organically Coated Steels based in Kidderminster, offers carbon and coated steel De-Coiling and blanking in gauges 0.4mm > 3.0mm.





## QUALITY, HEALTH & SAFETY, ENVIRONMENT (QHSE)

Our Vision is to become the UK market leader in multi metal distribution. We will achieve this by developing our valued employees, providing outstanding customer service and forming strong supplier partnerships. We will set business objectives and review them at corporate and local level:

- Traceability
- Stock from ISO approved suppliers
- Business units adhering to mission goals

BS EN ISO 9001: 2008 registration will be maintained by internal audits, management meetings and reviews. Periodic audits by an accredited organisation, will be maintained. We will monitor our performance against customer requirements.

### OUR FOCUS

- Cost of Quality
- Customer Retention
- Contract Review
- Attention to Detail
- Quality Responsibility

### COMPANY ACCREDITATION

- BS EN ISO 9001
- BS EN ISO 14001
- OHSAS 18001



BS EN ISO 9001:2008 BS EN ISO 14001:2004  
BS OHSAS 18001:2007





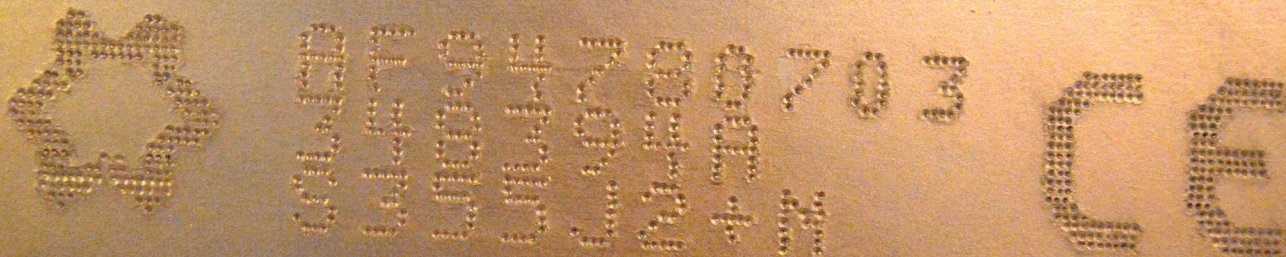
## CE MARKING

The construction industry is facing one of the most significant changes for a decade as CE marking of construction products becomes mandatory in all Member States throughout the European Union and the European Economic Area. CE marking for all construction products, covered by a harmonised European standard or conforming to a European Technical Assessment became mandatory from 1st July 2013, and a year later on the 1st July 2014 for fabricated structural steelwork. This represents a major development for engineers, contractors and steelwork specialists and it demands careful attention to the new obligations imposed.

Kloeckner Metals UK would like to assure all our customers that we are fully compliant to CE regulation especially with regards to CE marking of products. We are governed by the requirements of the Construction Product Regulation (CPR) which add responsibility to both importer and distributor who must also ensure that the manufacturer has undertaken fully all that is required. This responsibility also extends to sample testing and working with enforcing authorities. Construction products regulation govern a whole range of products sold into permanent constructions. The lists of products are long and complex, many of Kloeckner Metals UK core products and processes are included. The CE Mark indicates that product has met with the 'essential requirements' of the appropriate part of the Construction Product Regulation.

As of 1st July 2014, CE Marking for some processes became mandatory in particular: Shot blasting, Painting, Drilling and Oxy, Plasma & Laser profiling, and whether we do the process ourselves, or sub-contract it, we are ultimately responsible as the seller. Many of Kloeckner Metals UK's products used in construction are covered by CE marking. For these products we buy them from CE certified mills and operations must ensure that we maintain full traceability from receipt through to despatch. This includes ensuring that the test cert is complete & includes the suppliers CE mark.

Products not purchased today from CE sources are being reviewed by Product Management & Group Ops on an on-going basis. Verification to international standards including related harmonised standards and/or a European technical assessment (ETA) will also apply. All mainstream construction products are covered by harmonised standards and must therefore be CE marked.



kloeckner metals

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