

WEC

GROUP

Introducing the WEC Group of companies

WELDING
ENGINEERING

WEC
camera mounting solutions

m-tec

Hi-Spec
CNC

LASER
ENGINEERING UK

15750
Components Ltd

WEC GROUP

Founded in 1979, WEC Group Ltd has grown into one of the largest groups of its type in the North West. A Company with over 250 employees, a 125,000+ square foot facility and the rarity of still being privately-owned, the Group comprises six divisions specialising in different aspects of sub-contract engineering.

Welding Engineering is a specialist engineering service, offering design and fabrication of metal/alloy products, ranging from small precision components to large industrial fabrications. **WEC Camera Mounting Solutions** is the largest manufacturer of camera structures for the motorway network and specialises in a comprehensive range to suit any camera application. **m-tec** specialises in bespoke architectural and public art projects from consultation and fabrication through to installation. **Hi-Spec CNC** is the machining and sheet metal division of the Company, with investment in the latest Mazak technology. This division can ensure fast turnaround of precision machined components and mechanical assemblies. **Laser Engineering UK** and **5750 Components** are specialist divisions offering a laser and tube cutting profile service. This is enhanced by a full in-house design team, metal folding service and delivery.

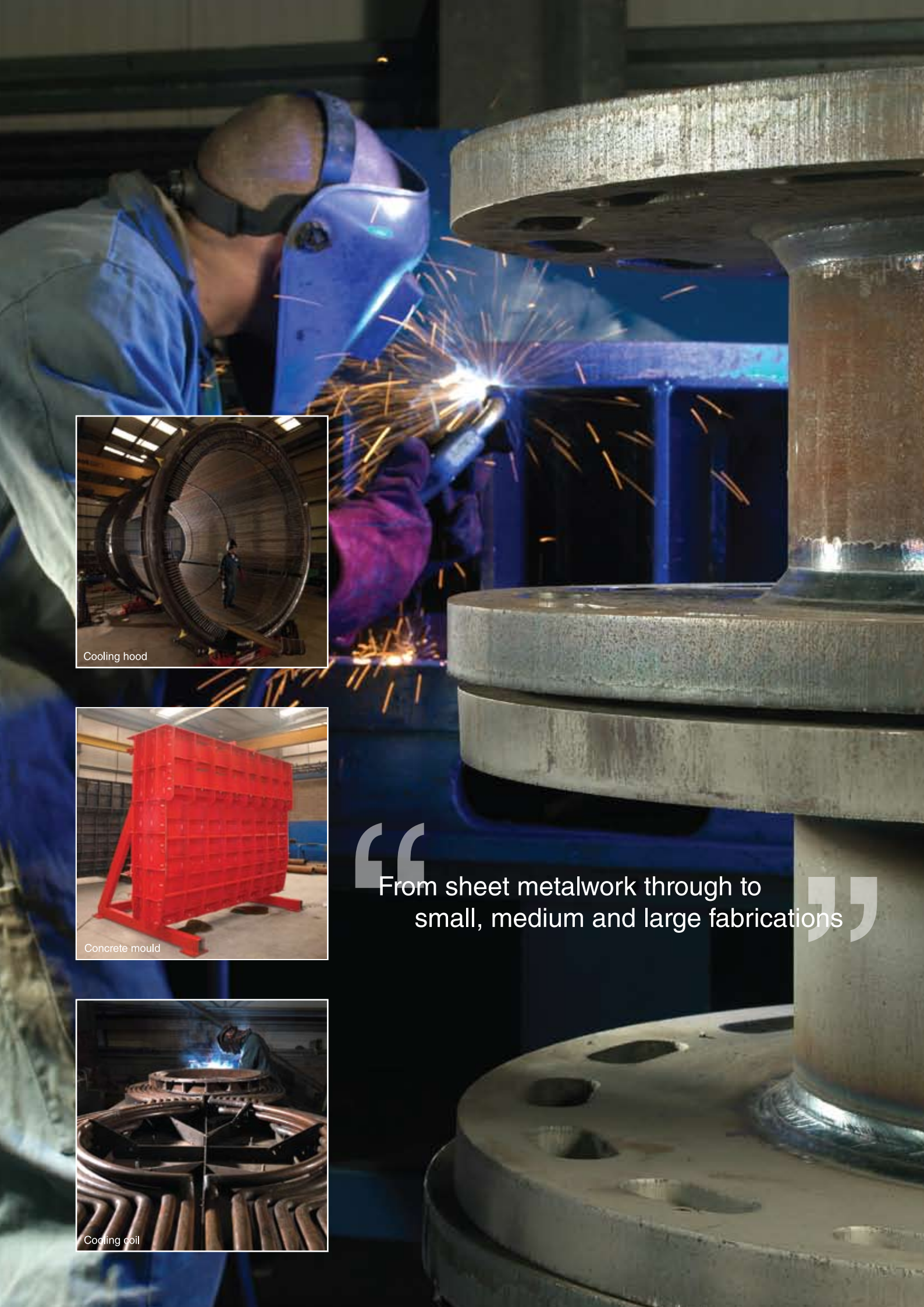
WEC Group's various divisions enable us to offer a comprehensive one-stop-shop for the complete sub-contract engineering solution; from a one-off component through to design, supply and installation of major fabricated structures.

We continually invest in the newest technologies to enable us to provide a complete service at the most competitive price. From CNC milling and turning machines to laser cutting equipment for both flat and profiled components, we have the latest available machinery in-house and at your disposal.

We are proud of our commitment to quality and customer service. Our dedicated sales, design and technical teams are on hand to ensure your project is on time and to budget. WEC Group is a BS EN 9001 and Link-Up approved company, our guarantee that goods and services are supplied to you at the highest standards.

WEC group is also proud of its in-house Welding and Engineering Training Academy; providing apprenticeships for 16-21 year olds in engineering. Set up in 2006, the Academy is unique in the UK and a member of the AWTFE.





Cooling hood



Concrete mould



Cooling coil

“ From sheet metalwork through to small, medium and large fabrications ”

WELDING ENGINEERING

Welding and Fabrication

We offer a one-stop service at our state of the art, purpose-built facilities in East Lancashire. Our skilled engineers are conversant with all aspects of fabrication from fine-line sheet metal work through to small, medium and large fabrications.

Our clients require both bespoke and batch work fabrication in various metals including mild steel, boiler plate, corten, 304/316/2205 stainless steel, monel, titanium, copper, nickel and invar; we've even been known to work in platinum!

Working to ASME and BS EN standards, our team are highly skilled in areas such as sheet metal, fabrication, fitting, metal polishing and welding; MIG, TIG, MMA, sub-merged arc and coded welding in all disciplines. All coded welding is assessed by PED assessment bodies such as Royal Sun, Lloyds and Bureau Veritas.

WEC Group has over 30 years experience in handling large fabrications, regularly dealing with projects from 3 tonnes to 130 tonnes, such as heat exchangers, pressure vessels, rail gantries and bridges.

Our facilities comprise two bays; 55m x 25m, with a working height of 7.5m under 5 runway cranes.

With an in-house design team utilising the latest software, we can provide support for any project from concept to completion. We also provide an installation service with CSCS qualified construction installers and PTS qualified rail installers.

RAIL INDUSTRY

WEC Group is currently a leading force in providing innovative design, fabrication and installation services to the rail industry. We offer a variety of signal structures to suit

all requirements, including three, four, five and six-track portal gantries, one and two-track cantilevers and single-post signal structures. We possess years of experience in rail installation and are proud of our highly skilled team of fitters, welders and fabricators, including PTS accredited staff, slinger banks men and IPAF accredited MEWP operators. We are also experienced in rail refurbishment, including the safe disposal of redundant equipment and structures.

AUTOMOTIVE INDUSTRY

The WEC automotive division is a Tier 1 supplier of automotive Body-in-White vehicle structures, components and services. Working with various manufacturers in the UK, WEC is experienced in providing a variety of vehicle requirements from niche to high volume. With a flexible work force, line-production assembly, design capability and a just-in-time ethos, we harness our technology and manufacturing resources to supply the highest quality systems, structures, components and services for the automotive industry. With a 50m x 25m working area, 2 x 10 tonne over-head cranes and transport facilities to deliver Nationwide, WEC is ideally placed to meet your requirements.

AEROSPACE INDUSTRY

WEC are well-versed in the manufacture and installation of aerospace equipment. We possess a wealth of experience in the fabrication of mould tools in invar, aluminium and mild steel, as well as the fabrication and inspection of specialist ground equipment. With skilled coded welders and NDT inspection in place, WEC are ideally placed to provide solutions for the aerospace industry.

www.welding-eng.com



Manufacture of bus structure



Bus structure

“WEC is the number one, unrivalled market leader in the European CCTV industry today”



Roadside enclosure



Gantry Mount

Main image - Cantilever pole



camera mounting solutions

Camera Mounting Solutions

WEC Camera Mounting Solutions is the number one unrivalled market leader in the CCTV industry today with over three decades of experience in the design, production and manufacture of CCTV mounting structures. We produce a wide range of products from towers, poles and columns to small ancillary items such as brackets and cages. With a large number of standard items always in stock, we can provide products quickly and with the minimum of fuss. We are a competitive source of supply for your CCTV mounting products and, coupled with a highly skilled engineering team, this ensures we are well positioned to meet the current and future demands of the CCTV industry.

Our engineers use computer aided design (CAD) facilities dedicated to the closed circuit television and associated industries and are able to direct and channel their vast knowledge and skills to produce camera mounting solutions.

Constant self investment programmes have enabled us to acquire the very latest in laser cutting and metal forming technology. Our vast array of modern technology ensures that we remain market leaders, by providing customers with the highest quality and accuracy manufactured by any company today.

www.wec.uk.net

The transport fleet at WEC not only offer a delivery service, but provide a column delivery and placement service; we currently deliver and place columns up to 18 metres in height onto prepared bases throughout the UK and Europe. Deliveries can be made to suit your needs and if the situation arises where you require evening, weekend or night time deliveries, our efficient transport department will be only too happy to liaise with you.

Our bespoke specials service team are experts in helping you overcome difficult and awkward mounting solutions. We are able to work from various types of drawings; from photographs and simple sketches through to full engineering drawings. Seven day a week production ensures that all special brackets are on site with the minimum of delay.



Bespoke bracket



Cabinet base pole



Victorian style column



Lattice tower



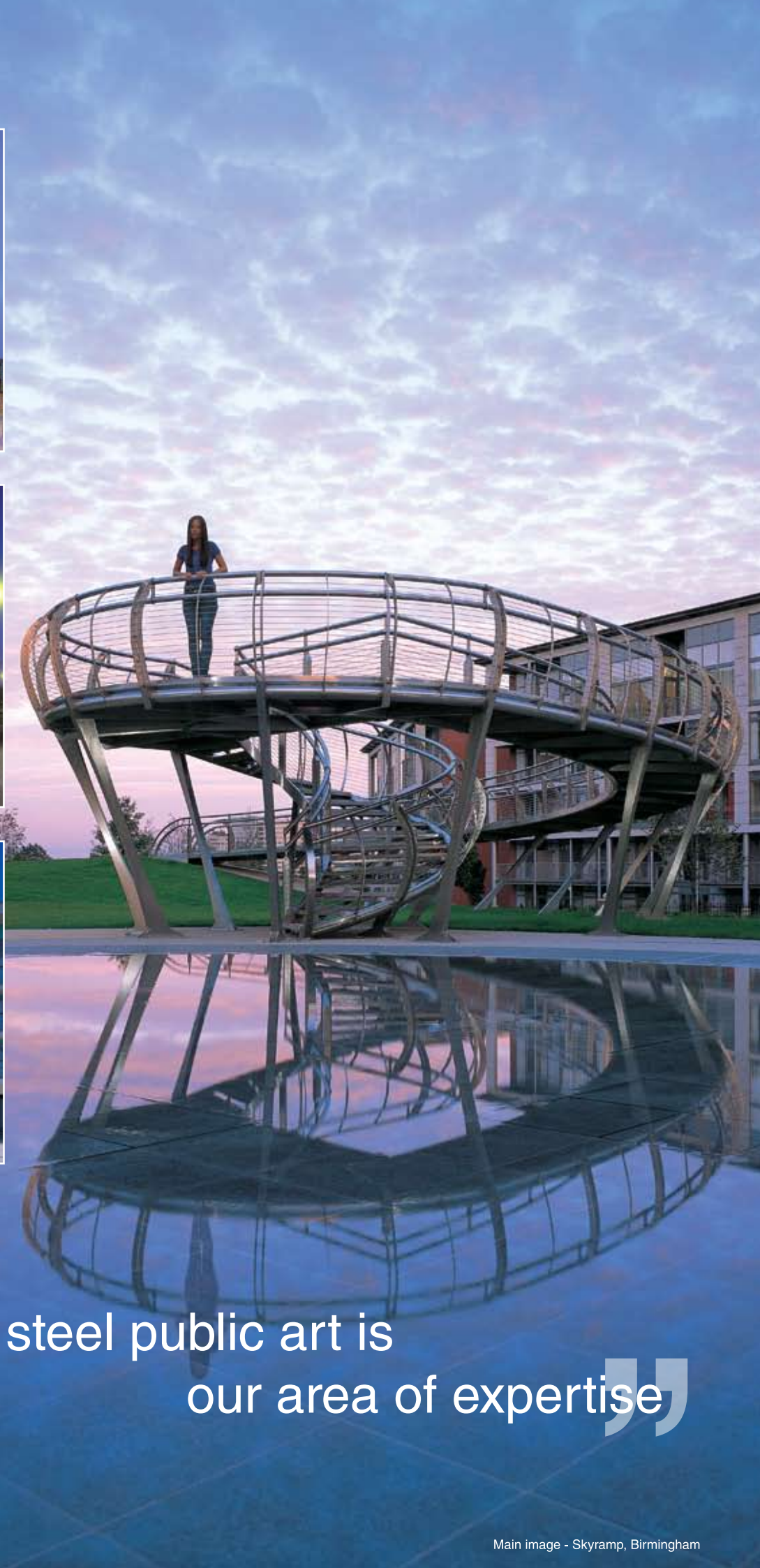
Millenium Needle, St. Helens



Flight of Fancy, Hucknall



Riding a Wave, Plymouth



“Stainless steel public art is our area of expertise”



Specialist Metal Fabricators and Consultants

m-tec, the specialist architectural metalwork division of the Group, provides a service aimed at the public art sector. Working with architects, public artists and regeneration specialists, we provide fabrication expertise, design, consultation and installation.

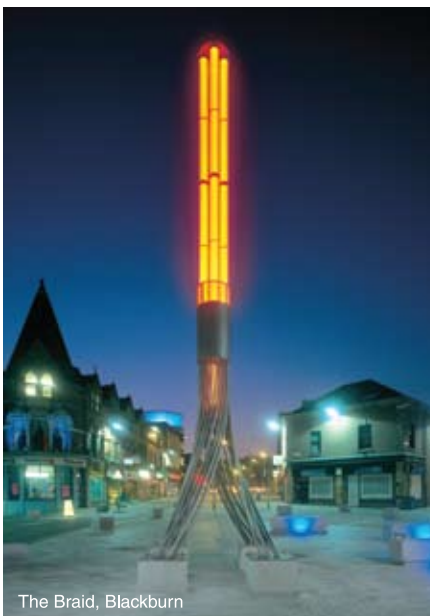
Stainless steel public art is our key strength, ranging from a spiral staircase to iconic lighting columns and bridges. At m-tec, we have the necessary skills and capability to design, manufacture and install spectacular pieces of stainless steel architecture across the UK and overseas.

A leader in bespoke metal fabrication, we have been involved in numerous projects including the design, manufacture and installation of the Mead's Reach Bridge at Temple Quay in Bristol. Weighing in at 75 tonnes and spanning 60 metres, the bridge is part of a £200 million pound regeneration project for the Temple Quay area.

Other projects include:

- Rotating Wind Shelters, Blackpool
- Millenium Needle, St. Helens
- Tower of Light, Portishead
- Riding a Wave, Plymouth
- Iconic Lighting Columns, Blackpool
- Skyramp, Birmingham
- Discovery Sculpture, Northampton
- South Beach Car Park Entrance, Blackpool
- The Seed Sculpture, Manchester
- New Sea Wall Moulds, Blackpool
- The Braid Sculpture, Blackburn
- Special Canopies, Blackpool Central Gateway
- Curved Aeroplane Support, Wantage
- Flight of Fancy, Hucknall, Nottinghamshire

www.m-tec.uk.com



The Braid, Blackburn

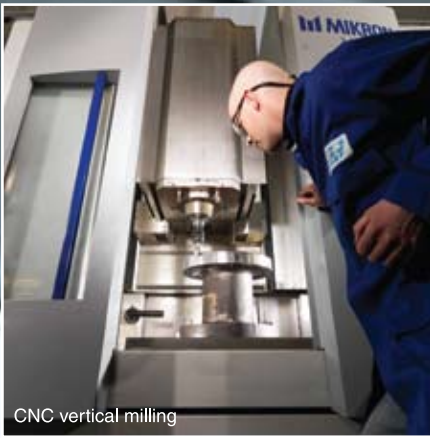


Discovery Sculpture, Northampton



Rotating windshelter, Blackpool

“Wide range of sub-contract multi axis machining”



CNC vertical milling



CNC turning



Latest inspection technology



Machining and Sheet Metalwork

Following substantial investment in new CNC machinery, Hi-Spec CNC is able to offer a wide range of sub-contract multi axis machining. Continuing investment in the latest technology provides customers with a CNC vertical milling capability up to three metres in length together with CNC horizontal pallet loaders for cost-effective batch manufacturing. CNC lathes with both driven tooling and sub-spindle options provide turning capacity up to 1.5 metres in length. Complimented by a CAD/CAM system to minimise programming and downtime, the shopfloor can provide a rapid response to customer's requirements.

In addition to machined components we also produce sheet metal components and fabricated assemblies using a range of forming and welding techniques. Using profiles produced by our laser division, materials include mild steel, stainless steel and aluminium.

www.hi-specnc.co.uk

Complimenting all aspects of component and sub-assembly manufacture, we have a comprehensive assembly facility providing mechanical, electromechanical, and hydro-mechanical assemblies. These range from simple hinge assemblies through to PLC controlled, hydraulically actuated, Patient Lifts for front line ambulances.



CNC turning utilising driven tooling



“ First company in the UK to purchase the Trumpf fully automated TruLaser 7000 machine ”





Laser Cutting & Profiling

Laser Engineering (UK) Ltd, Darwen, Lancashire

WEC Group's laser division has grown into one of the UK's biggest sub-contract CNC laser cutting companies.

Equipment includes a variety of laser cutting machines offering 4 x 2m bed size, 6kW laser and capable of cutting up to 25mm stainless and mild steel and 15mm aluminium. There are various press brakes capable of folding up to 4000mm long.

As well as flat bed and tube laser cutting, we offer a comprehensive engineering and fabrication service.

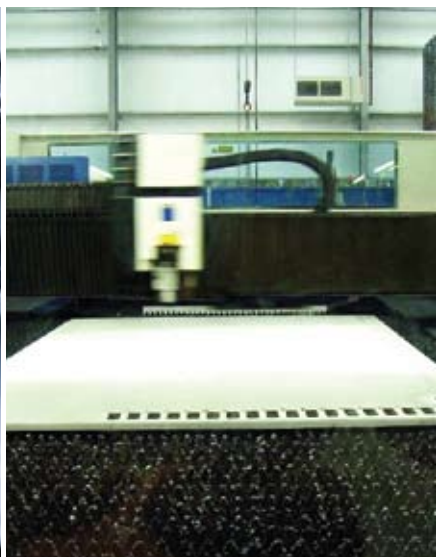
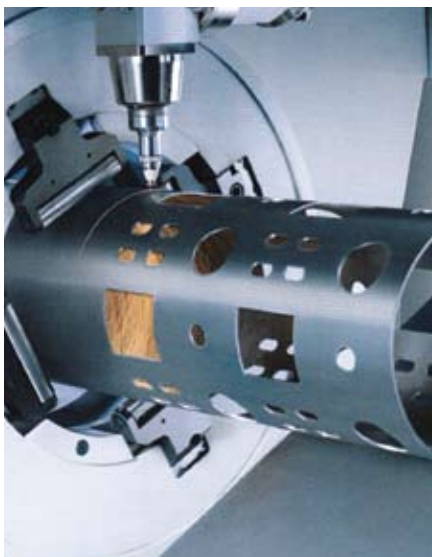
A new 25,500 square foot purpose-built facility was commissioned at Junction Street, Darwen and opened in February 2009.

We are the first company in the UK to purchase the Trumpf fully automated TruLaser 7000 machine. This new laser can cut tubes and box section from 9.2m long up to a diameter of 250mm. The full automatic loader can handle up to 6 tonne bundles.

www.laser-eng.com
www.5750components.com

5750 Components Ltd, Knowsley, Merseyside

WEC Group Ltd acquired 5750 Components Ltd, on 1st October 2008 to strengthen its position in the North West. 5750 also boast top class laser cutting, folding and fabrication facilities that complement the Laser Engineering facilities. Both companies utilise the same machine manufacturer and software systems therefore giving our customers quick response and turnaround times for urgent requirements.



“ Throughout the apprenticeship scheme, students learn different types of welding, fabrication and sheet metalwork ”



Introduction to rolling steel



Students working on a suit of armour



Working in the welding bays

Welding and Engineering Training Academy

Set up in 2006, we are extremely proud of our Welding and Engineering Training Academy. The Academy offers apprenticeships to individuals between 16-21 who have a general interest and ability for welding and fabrication.

As the only apprenticeship scheme of its type in the UK, the Academy has an excellent reputation and is held in high regard by the local community and educational institutions. The Academy works alongside Darwen Vale School offering advice and support in all aspects of engineering. Pupils from the school have the chance to attend day visits to the Academy, where they can assist with various projects. Students are also given the opportunity to attend an eight week welding and fabrication course which involves Year 11 pupils working on engineering projects.

The Academy receives a high number of applications every year and candidates are put through a rigorous selection process where they are assessed on their qualifications and also on their practical ability for engineering; apparent by examples of work candidates are asked to bring with them.

The first year of the five year apprenticeship scheme is split between four days of practical work at the Academy and one day at a training centre learning the theoretical side of welding and fabrication. Students work towards a nationally recognised City & Guilds 2800 qualification in Welding and Fabrication. The apprentices have access to the latest welding equipment to enable them to achieve the necessary skills in areas such as MMA, MIG and TIG welding, pattern development and plate fabrication. Our students also work towards achieving the WEC 500 BS EN certificate in coded welding during their first year on the course; something which we are particularly proud.

Our apprentices are involved in various projects throughout their apprenticeship beginning with the fabrication of a hinge. What may seem a simple task is in fact one which requires a great attention to detail; crucial if the hinge is to perform as expected. Students spend the first two weeks of the programme fabricating the hinge until it is 100%. This attention to detail at the outset ensures apprentices are aware of the standard of work expected throughout their time on the course.

The students apply their newfound skills to a number of engineering projects throughout their apprenticeship. For example, making simple items like tools and tool boxes, to fabricating bridges, benches and even a suit of armour! Projects include the fabrication of a 10m bridge which was donated to Darwen Anglers and a 6m diameter structural steel garden donated to Darwen Vale School. Future projects include the fabrication of a Spitfire plane memorial for Darwen Town Centre. The memorial will be erected to commemorate the local community's financial contribution towards purchasing a Spitfire for use during the Second World War. The Academy is also proud to be a member of the AWFTE (Association of Welding and Fabrication Training & Education) which provides the Academy with the opportunity to host regional Olympic skills events for the forthcoming games.

To celebrate the success of the apprentices, an Annual Apprentice of the Year Awards is held to recognise their achievements. Attended by distinguished guests, family, industry and education representatives, the Awards Ceremony is the highlight of the year for the apprentices.

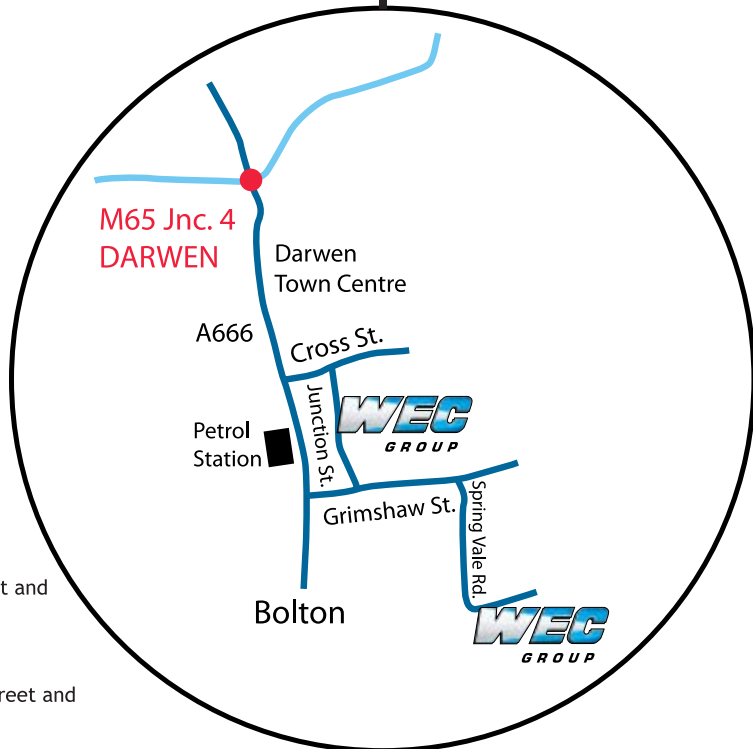
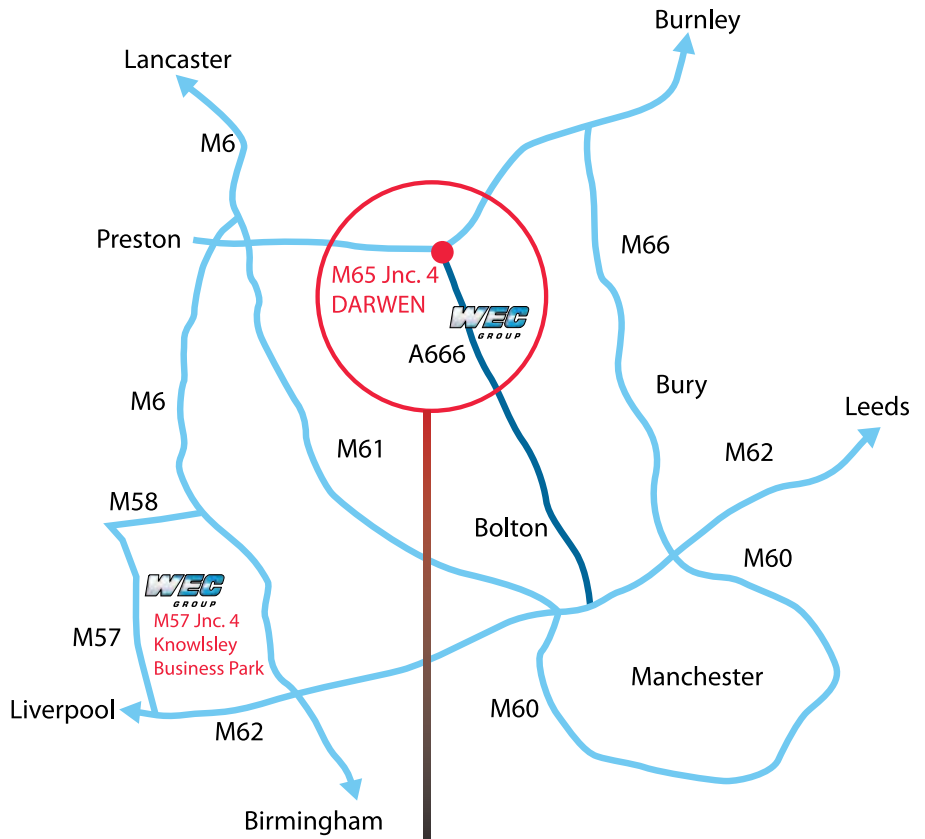
www.wec-group.com/academy.html



Steel bridge fabricated by apprentices and donated to the local anglers' society



How To Find Us...



Leave M65 at Junction 4

- Take the exit for Blackburn/Darwen off the roundabout
- Move into the left hand lane and head towards Darwen/Bolton A666
- Continue through Darwen centre and on past India Mill on your left

Junction Street Site

Take a left before the petrol station onto Cross Street and WEC is on your right

Spring Vale Road Site

Take a left after the petrol station onto Grimshaw Street and WEC is second road on your right

5750 Components Knowsley Business Park

- Travel along the M57 to Junction 4. Turning right at the round about, take the 4th exit onto School Lane, (B5194) signed Knowsley Business Park.
- Proceeding along School Lane for approximately ½ a mile, there is a small red sign on the left hand verge 'new roundabout ahead' immediately before you left turn onto Penrhyn Road.
- Proceed along Penrhyn Road to your first right turn onto Overbrook Lane.
- 5750 Components occupy the first unit on the Left.



WEC Group Ltd
Britannia House
Junction Street
Darwen
Lancashire
BB3 2RB

Tel: +44 (0)1254 773718
Fax: +44 (0)1254 700254
Email: all@wec-group.com
www.wec-group.com



Welding Engineering
Spring Vale House
Spring Vale Road
Darwen
Lancashire
BB3 2ES

Tel: +44 (0)1254 773718
Fax: +44 (0)1254 771109
Email: stevecooke@wecl.co.uk
info@wecl.co.uk



WEC Camera Mounting Solutions
Britannia House
Junction Street
Darwen
Lancashire
BB3 2RB

Tel: 01254 700200
Fax: 01254 873637
Email: info@wec.uk.net
www.wec.uk.net



m-tec
Britannia House
Junction Street
Darwen
Lancashire
BB3 2RB

Tel: +44 (0) 1254 773718
Fax: +44 (0) 1254 783287
Email: info@m-tec.uk.net
www.m-tec.uk.com



Hi-Spec CNC
Britannia House
Junction Street
Darwen
Lancashire
BB3 2RB

Tel: +44 (0)1254 700222
Fax: +44 (0)1254 700233
Email: sales@hi-specnc.co.uk
www.hi-specnc.co.uk



Laser Engineering UK
'The Technology Centre'
Junction Street
Darwen
Lancashire
BB3 2RB

Tel: +44 (0)1254 700201
Fax: +44 (0)1254 700251
Email: all@laser-eng.com
www.laser-eng.com



5750 Components Ltd.
1 Overbrook Lane
Villiers Court
Knowsley Business Park
Merseyside
L34 9FB

Tel: +44 (0)151 548 5750
Fax: +44 (0)151 548 1222
Email: sales@5750components.co.uk
www.5750components.co.uk