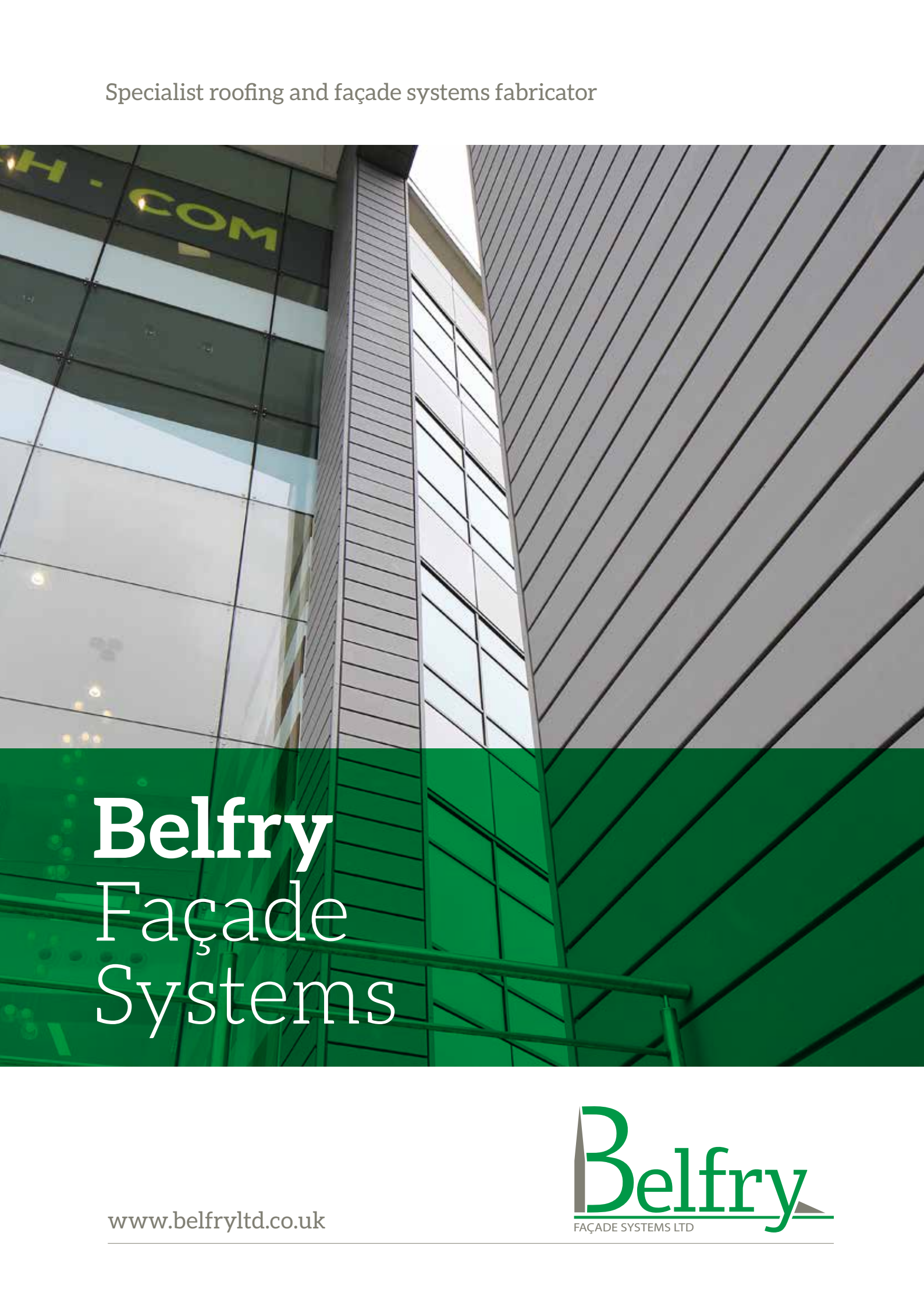


Specialist roofing and façade systems fabricator



Belfry Façade Systems

www.belfryltd.co.uk

Belfry
FAÇADE SYSTEMS LTD



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Welcome

Belfry are a specialist roofing and façade systems fabricator. We are able to offer the fabrication of a range of building envelope systems including Interlocking panels, Shingles, Composite panels (ZCM, CCM & ACM), Standing Seam and Batten Roll together with all associated flashings.

The range of materials we can fabricate including both ferrous and non-ferrous materials are as follows:

- Zinc
- Copper
- Stainless Steel
- Coated Steel
- Coated Aluminium

We also offer on-site fabrication, machine hire for traditional fully supported system and machine servicing and repair.

At Belfry, we believe in providing the flexibility to the customer to suit their needs.

Contact us today to discuss your project requirements.



CWCT Tested System

Interlocking Panels

Interlocking panels give an excellent slender appearance to any façade or soffit area. Our Zinc Interlocking panel system has been CWCT tested to meet NHBC standards which can be helpful on projects where there is a standard testing requirement, or alternatively functioning as a fantastic selling point providing quality assurance to your client.

The system can be used both horizontally and vertically and is generally fixed back to a metal or timber framework. In addition to offering a high-quality appearance, Interlocking Panels offer a cost-effective solution when compared to similar façade systems, owing to the simplicity of the support system required. The panels are continuously rolled and can be formed in a range of metals including Zinc, Copper, Aluminium and Coated Steel.

Maximum length	6000mm
Maximum panel face width	180-350mm dependant on material and client's design
Reveal joint width	5-20mm as required
Substrates	Metal or timber framing/support system
System type	Rainscreen façade



Belfry are happy to assist with any sheet metal fabrication requirements, from standard flashings to ornamental fabrications.

Shingles



Shingles can be formed in any of the following materials;

- Zinc
- Copper, brass and bronze
- Stainless steel
- Coated steel
- Aluminium

Shingles can offer a project a unique look when compared to alternative façade systems and can be applied to both façades & soffit and when combined with a waterproof substrate, roofing is even possible. Shingles are competitive on price and can be advantageous on irregular shaped areas.

The shingles can be fabricated in a range of shapes and sizes including square, rectangular, rhomboid or diamond and are all mechanically notched for a perfect finish every time. Each

shingle interlocks with the adjacent tiles on all four sides and is fixed using concealed cleats. Most commonly these are installed to a compatible timber sheet substrate and can be installed in either a staggered pattern or aligned both horizontally and vertically.

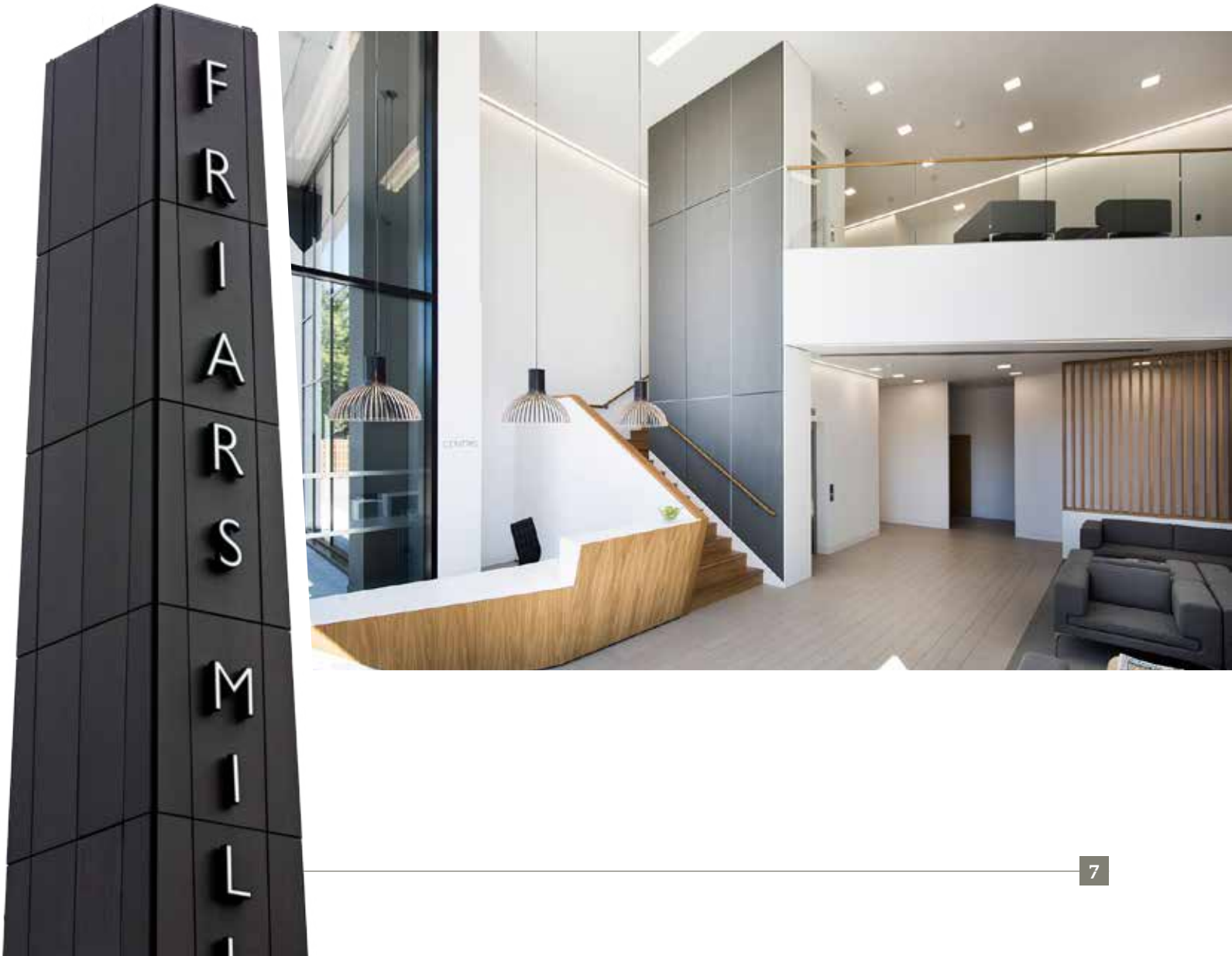
An additional option is to fabricate the shingles with a joggle joint to offer an almost flat appearance to the façade face or, when used in reverse, to emphasise the joints and create a unique feature.

Maximum length	up to 3000mm
Maximum panel face width	Variable
Substrates	Compatible timber or steel deck
System type	Rainscreen façade

Composite Panels

Composite materials are rapidly becoming the vogue material chosen by architects and specifiers looking for a contemporary flat panel. The Composite material is made from sheet metal thermally bonded either side of a central fire rated core. The composite material is CNC routed and folded to the specified panel design and is available in a range of materials and finishes from natural metal surfaces through to powder coated and metallic rainbow colours.

Sheet thickness	4mm as standard dependant on face material
Maximum sheet width	Up to 1500mm dependant on material and client's design
Reveal joint width	14mm as standard or as per design
Substrates	Metal framing/support system
System type	Rainscreen façade



Traditional Metal Roofing



Standing seam

Traditional standing seam trays can be installed to roofs, façades and soffit areas and should be fixed to a fully supported deck using stainless steel cleats. The substrate may be a ventilated timber deck, Rigid PIR Insulation onto a plywood or concrete deck, Composite metal faced insulation board or in high humidity locations Cellular Glass insulation is required. The standing seam has a traditional appearance popular with both architects and specifiers.

The standing seam system can be fabricated in the following materials;

- Zinc
- Copper, Brass and Bronze
- Stainless Steel
- Coated Steel
- Coated Aluminium

Due to the highly skilled detailing requirements, it is recommended this system is installed by fully trained and competent installers only.



Batten Roll

The batten roll is one of the most traditional roofing systems and is popular on ecclesiastical buildings as well as listed buildings and the like. It can offer a great alternative to lead, where theft continues to be an issue.

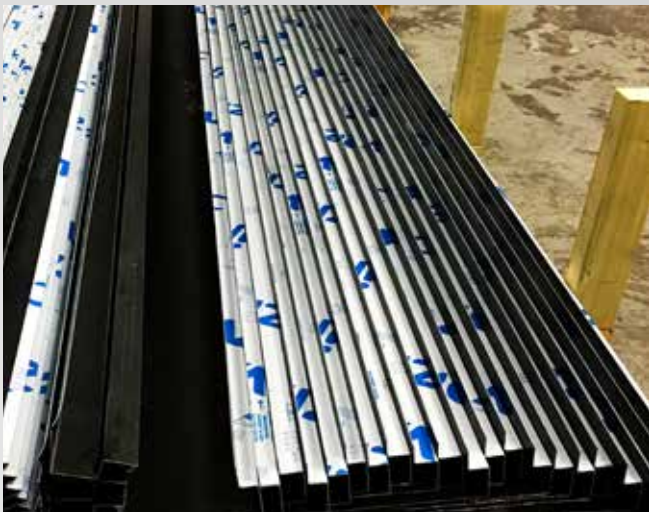
The capping can be supplied as either a loose or welded cap and is traditionally installed using Copper, Zinc or Stainless Steel, although other metals could be fabricated in this system.

We are also able to fabricate a round loose cap which gives an appearance likened to that of traditional timber roll leadwork when installed using weathered zinc or stainless steel.

General Fabrication

Belfry are happy to assist with any metal fabrication requirements, from standard flashings to ornamental fabrications, including but not limited to any of the following in a range of materials:

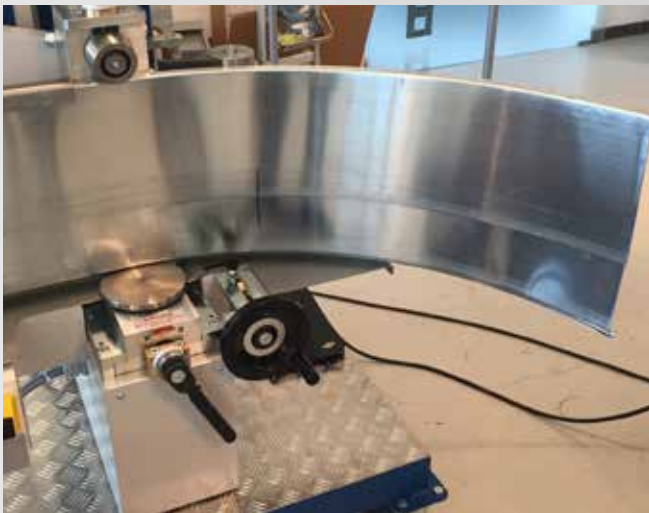
- Cappings, Flashings & Weatherings
- Pre-fabricated structures including dormers, roofs and domes
- Bespoke Ornamental Castings & Pressings
- Lead Rainwater Goods and Ornamentals



On-site Fabrication

If you have a traditional metal roofing project which requires on-site fabrication, Belfry are able to offer an on-site service where we bring a team of competent fabricators with the necessary plant to your site, anywhere in the UK. We can complete the following:

- Profiling 25mm standing seam trays
- Profiling Batten roll trays
- Arch bending trays (forming curved trays)
- Fabricating Flashings, Cappings, Weatherings etc.



Training

Belfry can offer bespoke training to meet your company's needs & requirements. From basic traditional metal roofing courses in our workshop environment, through to on-site training on specific tasks or machinery.

We also run specific workshop courses for each of our façade systems, to ensure installers are familiarised with our systems and standard detailing requirements.

If your company has specific training needs please contact us for further information.



Plant Hire

Belfry has an array of specialist plant and machinery available to hire for on-site usage to fabricate your traditional fully supported projects. Plant can be hired on daily or weekly hire basis to suit your needs



Profiling Machine (Tray former)

Schlebach Mini-Prof for on-site rolling of 25mm traditional standing seam trays.



Arch-bender (Tray curving machine)

Schlebach Arch-bending machine RBM25, used to curve standard 25mm standing seam to a convex radius.



Batten Roll Profiling Machine

Schlebach batten roll profile machine is used for forming traditional batten roll trays, the machine forms a straight upstand to the tray (up to 50mm)



900mm Segmented Metal Sheet Folder

The segmented folder is essential for folding boxed ends to panels and is ideal for completing on-site fabrications where factory produced ends are not possible due to measurement restrictions etc.



2000mm Metal Sheet Folders and Slitting

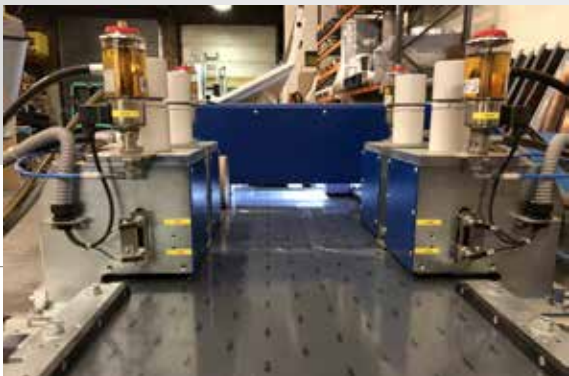
Schechl LBX 200 are lightweight sheet metal folders and are ideal for completing on-site fabrications such as flashings and cappings. They come with a cross shear to make light work of cutting sheets to the correct width.



Decolier 250kg & 1000kg

Decoilers, for use with either the profiling machine or with a sheet folder, help to reduce stress and damage to the metal as it is removed from the coil.

Servicing and Repair of Traditional Metal Roofing Machinery



Belfry's servicing team is here to help maintain and service your traditional metal roofing machinery including profilers, arch benders and folders. Completing tasks from minor repairs through to the major servicing and overhaul of your machinery.

Unless a profiling machine is well maintained, it will begin to produce inferior and inaccurate trays, this being the main cause of unnecessary oil canning and rippling on new sheets. Services we can offer include;

- Full Service & Realignment
- Problem Solving and Damage Repair
- Spare parts and replacement

Our engineers have undergone Manufacturer training in Germany in conjunction with Schlebach, the leading machinery manufacturer in this field. We are also conversant with traditional metal profiling machines produced by other manufacturers, please contact us if you have an alternative machine which requires any of the aforementioned services.

The UK's leading Traditional Metal Roofing & Façade fabricator



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