

# Prefabrication

Prefabrication not only reduces waste and contributes to site safety, but also provides cost effective solutions manufactured to factory tolerances.

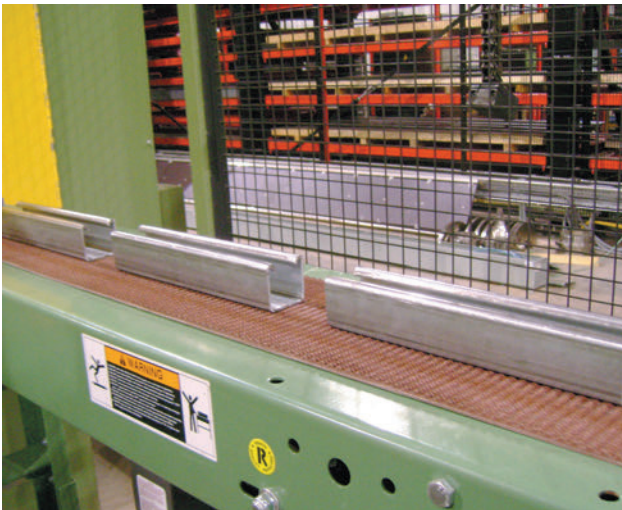
Metstrut offers a comprehensive prefabrication service ranging from simple cut lengths of channel to complex frames and brackets.

### Cut-to-length service

Dedicated machine time is allowed daily for 41 x 41mm channel for pre galvanised, post hot dip galvanised and stainless steel finishes.

The Metstrut sales office produces Kanbans and the work is scheduled at point of order without the need to consult with production.

Other channel sizes can be scheduled into normal production cycles.



### Prefabricated frames

Both flat frames and three dimensional frames can be prefabricated in either all bolted or all welded construction. Part bolted and part welded frames can also be accommodated, particularly when parts need to be removed to allow access for cable runs.

Metstrut can also build in cable tray, cable ladder and cable trunking within the frames for a complete modular solution.

Prefabrication offsite allows the work to be produced to factory tolerances with little to no waste leaving sites uncluttered and a safer environment.



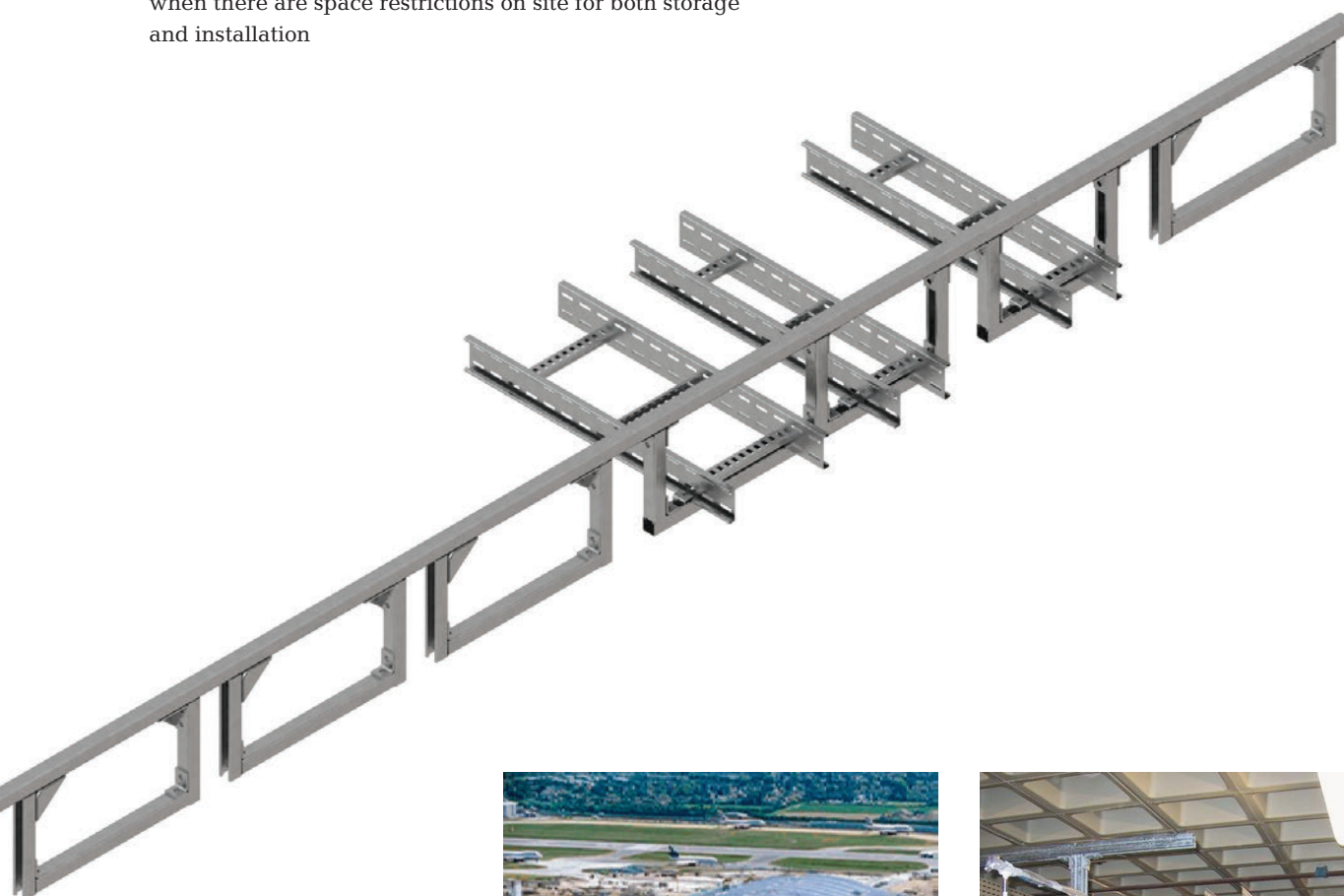
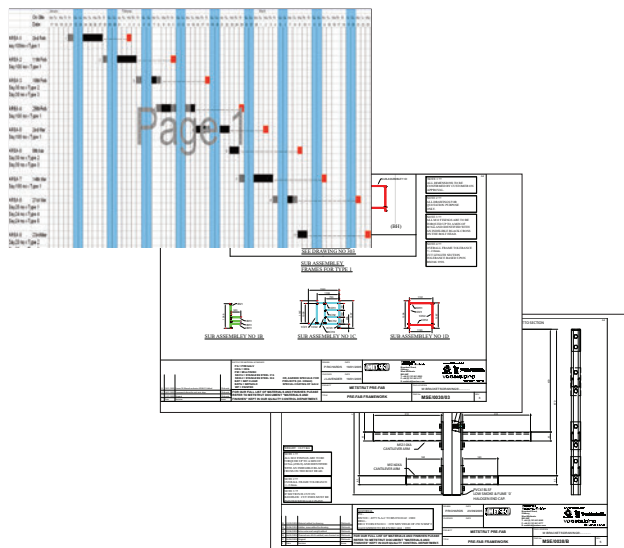
**Optimising design and assembly**

By providing basic drawings, M & E contractors can benefit from Metstrut's expertise in determining where support systems can be pre fabricated. This is then converted to a CAD drawing identifying areas that can be provided as a frame, with the balance in cut lengths to complete the kit.

Once an order is placed, Metstrut will attend a pre-commencement meeting to schedule the delivery requirements and agree any outstanding technical details, including vehicle restrictions and packing requirements.

For bolted frames, all connections are torqued to the appropriate level and passed off by the quality department.

Less complex assemblies can be supplied against an approved drawing for manufacture and delivered against a call off order scheduled to meet the project requirements. This can be particularly advantageous when there are space restrictions on site for both storage and installation



# Product range summary

## Manufacturing solutions

Metstrut manufactures a broad range of cable management products that includes Cable Tray, Cable Ladder, Cable Trunking, Metal Framing and Rapid Installation systems.

Centrally located within the West Midlands close to major motorway networks, Metstrut is able to offer a National service through major electrical and mechanical distributors.

With over 10,000 m<sup>2</sup> of manufacturing and warehouse space, and state of the art equipment, a strong emphasis is placed on service, and a high level of 'on-time in-full' delivery performance is maintained.

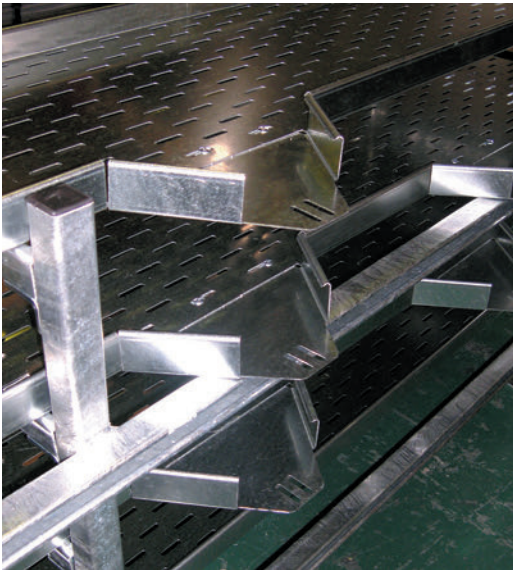
Comprehensive stocks are carried at all times and replenished through lean manufacturing principles.

With the ever-increasing demand from clients for value added products and services, Metstrut offers a comprehensive pre-fabrication facility that ranges from cut lengths of channel to bolted or welded frames both in 2D and 3D configuration. Cable tray, ladder and trunking can be pre-installed if required. This allows the contractor to schedule his requirements to overcome space and labour restrictions on site. Waste is also greatly reduced and site safety enhanced.



Significant cost savings can be achieved by opting for prefabrication off site and skilled electricians are released to do what they are best at.

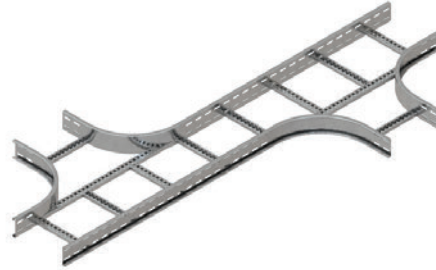
Metstrut also offers a full design service for its products and services to ensure the correct selection is made for the most cost effective solution. When required, CAD drawings are produced to ensure a full understanding of the solution is achieved.



## Product range

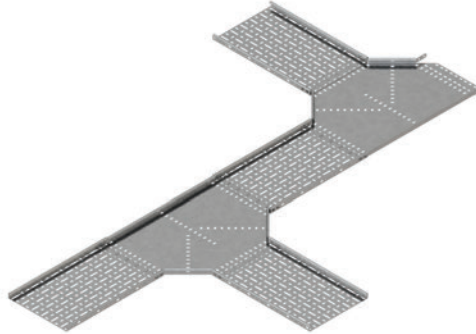
### Cable ladder systems

Metstrut cable ladder systems are widely accepted due to their strength to weight ratio and simplicity of design. Easily installed and with a comprehensive range of accessories, Metstrut cable ladder systems can be found in applications throughout the UK, Ireland and mainland Europe.



### Cable tray systems

Metstrut cable tray systems have been designed after considerable consultation with end users and installers to arrive at a final design that satisfies all of their requirements. Each cable tray range features a unique slotting pattern in the base and the return flange ranges have slotted sides. Additionally, each tray range has the same footprint to aid setting out when final loadings are not yet available.



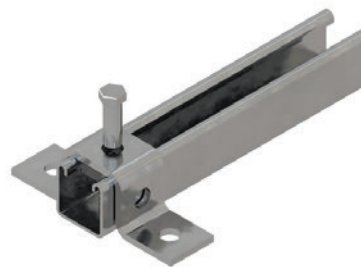
### Cable trunking systems

Metstrut cable trunking systems are available as standard distribution trunking and also as lighting trunking. Manufactured on state of the art computer controlled equipment with a high level of automation, Metstrut cable trunking is of economic design to provide competitive solutions.



### Metal framing systems

Metstrut offers the traditional channel system in a variety of profiles and gauges with a large range of fittings and fasteners. The fully tested system can be reliably used for a wide application base for the support of mechanical and electrical services.



A Rapid Installation version is also available with a unique channel profile and pre-assembled fittings with integral fixings. By using this product range, installation times are drastically reduced.

Both systems can be fully integrated for total flexibility.

