



**JC METALWORKS:
YOUR PARTNER IN
PRECISION METAL
FABRICATION FOR
HIGH-PERFORMANCE
HVAC SYSTEMS**

**Ensuring efficiency, durability, and code
compliance in every component**

JC Metalworks is a leading UK manufacturer specialising in high-precision metal fabrication for the HVAC sector. We understand the critical role that metal components play in achieving optimal system performance, energy efficiency, and long-lasting durability. Our team of skilled fabricators and experienced engineers collaborate closely with you to create custom-designed HVAC components that meet the strictest technical specifications and adhere to all relevant industry codes.



Technical expertise for demanding HVAC fabrication

Beyond our commitment to high-quality materials and advanced technology, JC Metalworks offers a wealth of technical expertise tailored explicitly to the HVAC industry:

In-depth knowledge of HVAC systems

Our team possesses a thorough understanding of various HVAC system types, including air handling units, ductwork, enclosures, and other critical components. This ensures we design and fabricate components that seamlessly integrate with your existing systems and optimise overall performance.



In-depth knowledge of HVAC systems

Our team possesses a thorough understanding of various HVAC system types, including air handling units, ductwork, enclosures, and other critical components. This ensures we design and fabricate components that seamlessly integrate with your existing systems and optimise overall performance.

Sheet metal gauge selection

We meticulously select the appropriate sheet metal gauge

based on industry standards and your specific application requirements. This ensures the structural integrity of your HVAC components while optimising weight and material usage for cost-effectiveness.

Airflow optimisation & pressure loss calculations

Our engineers consider airflow dynamics and pressure loss calculations during the design phase. This ensures your ductwork and other components minimise pressure drops, maximising airflow efficiency and system performance.



Material selection for specific environments

We understand the importance of material selection for various environments. We offer a wide range of materials resistant to corrosion, moisture, and high temperatures, ensuring the longevity of your HVAC components in diverse operating conditions.

Adherence to building codes & safety standards

Our fabrication processes strictly adhere to relevant building codes and safety standards for HVAC systems. This includes smoke and fire dampers, seismic considerations, and proper material certifications to ensure your system meets regulatory requirements.

Quality control & leak detection

We understand the importance of material selection for various environments. We offer a wide range of materials resistant to corrosion, moisture, and high temperatures, ensuring the longevity of your HVAC components in diverse operating conditions.





JC Metalworks: delivering confidence in every HVAC fabrication project

By combining our technical expertise with superior metal fabrication processes, JC Metalworks delivers solutions that elevate your HVAC systems.

WE OFFER

Competitive lead times

Get the essential components you need quickly to minimise downtime during system installations or maintenance.

Expert consultation

Our team is here to collaborate with you on design optimisation, material selection, and prototyping to ensure your project meets all technical and budgetary requirements.

Custom fabrication solutions

We specialise in custom-designed components to adapt to unique system configurations and space constraints.

Quality assurance & documentation

We provide comprehensive quality assurance documentation with every project, ensuring transparency and adherence to agreed-upon specifications.

Our services include:



Metal cutting & punching

We utilise state-of-the-art machinery such as Amada fibre laser and automatic turret punch machines to cut and punch metal components with the precise requirements needed for the HVAC industries.



Welding

Our certified TIG, MIG, spot, and robotic welding capabilities ensure robust and aesthetically pleasing welds, resulting in strong and secure structures that meet the demanding standards of this industry.



Powder coating

We offer a wide range of high-quality powder coat finishes designed to provide a durable and visually appealing exterior for components and equipment, ensuring both functionality and aesthetic appeal.



Forming

Utilising advanced metal bending technology, including two Amada press brakes, LVD Ultimate bending, Salvagnini, and an automatic HRB-ATC Amada press brake, we create custom shapes and structures tailored to meet the rigorous requirements of HVAC applications.



Assembly

Our experienced team meticulously assembles all components, adhering to strict quality control measures to ensure a perfect fit, flawless finish, and compliance with industry standards.



Packaging & dispatch

We prioritise the safe and secure packaging of your equipment to ensure it is protected during transit. Our efficient dispatch processes ensure timely.





**Contact JC Metalworks today and discuss how
our precision metal fabrication expertise can
empower your next project.**

**Call us at 01509 233280
or email us at
sales@jcmetalworks.co.uk and we'll be
happy to assist you.**