

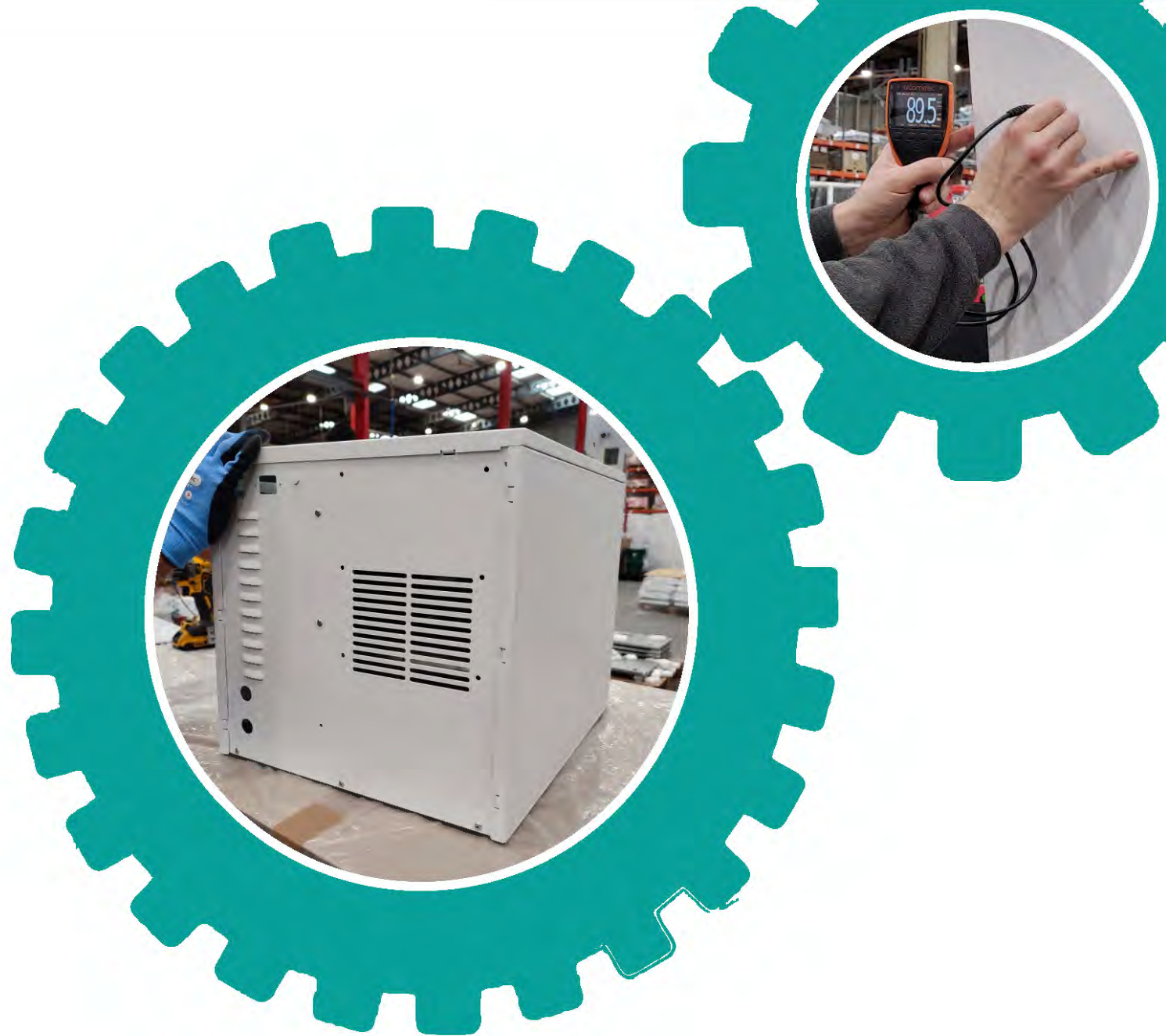


JC METALWORKS:
PRECISION METAL
FABRICATION FOR
SCIENTIFIC & MEDICAL
APPLICATIONS



**ENSURING
ACCURACY,
RELIABILITY,
AND
PERFORMANCE
IN EVERY
COMPONENT**

JC Metalworks is a leading UK manufacturer specialising in high-precision sheet metal fabrication for the scientific and medical equipment sectors. We understand the critical role that precise and reliable metal parts play in the functionality and performance of your vital equipment. Our team of skilled fabricators and experienced engineers collaborate closely with you to create custom-designed components that meet the exacting tolerances and rigorous standards demanded by scientific and medical applications.



UNMATCHED EXPERTISE IN SCIENTIFIC & MEDICAL METAL FABRICATION

Beyond our commitment to top-grade materials and advanced technology, JC Metalworks offers a wealth of expertise specifically tailored to the scientific and medical sectors:

In-depth understanding of scientific & medical equipment

Our team possesses a thorough understanding of the diverse needs of the scientific and medical equipment industry. This includes factors like biocompatibility and adherence to relevant regulatory standards.

Tight tolerance fabrication

We specialise in tight-tolerance sheet metal fabrication, ensuring your components meet the

precise dimensional specifications required for optimal equipment function. Our state-of-the-art equipment and rigorous quality control processes guarantee consistent accuracy in every fabricated part.

Material selection for specific applications

We offer a wide range of medical-grade materials, including stainless steel,



aluminium alloys, and speciality metals with specific properties like anti-microbial resistance or high heat tolerance. We select the most suitable materials based on your specific equipment requirements and application environment.

Surface finishes for optimal performance

Surface finish plays a crucial role in scientific and medical equipment. We offer a variety of finishing and powder coating grades to enhance corrosion resistance, improve cleanability, and optimise the functionality of your components. We also offer anodising, surface coating, galvanising, plastic coating, etc through our partners.

Traceability & documentation

We understand the importance of traceability in medical devices and scientific equipment.

We do part marking with etching and labelling for scientific parts. We maintain a comprehensive documentation system, including material certifications, production records, and inspection reports, to ensure complete traceability of your fabricated components.

Adherence to regulatory standards

We ensure all our fabrication processes comply with relevant industry standards and regulatory requirements for medical devices and scientific equipment.

Collaborative problem-solving

Our team works closely with you to overcome technical challenges and find optimal fabrication solutions for your unique scientific and medical needs.



JC METALWORKS: DELIVERING CONFIDENCE IN EVERY SCIENTIFIC & MEDICAL PROJECT

By combining our technical expertise with superior sheet metal fabrication processes, JC Metalworks delivers solutions that empower your scientific and medical advancements. We offer:

Competitive lead times

Get the essential components you need quickly to minimise project delays and expedite the development or production of your scientific and medical equipment.

Expert consultation

Our team collaborates with you on design optimisation, material selection, prototyping, and regulatory compliance to ensure your components meet all technical and functional requirements.

Quality assurance & testing

We maintain a rigorous quality control program, including dimensional inspections and surface finish analysis, to guarantee the accuracy, functionality, and reliability of your fabricated components.

Commitment to innovation

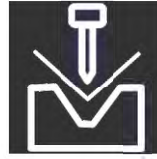
We are constantly seeking new technologies and processes to improve our capabilities and better serve the evolving needs of the scientific and medical industry.

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 scientific and medical industries.



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 scientific and medical applications.



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 the scientific and medical industries.



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.



Powder coating

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



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 delivery





**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.**