

MassCare Ltd

- Mass Spectrometer Support •
- General Vacuum Consultancy •
- Mechanical Component Design and Manufacture •

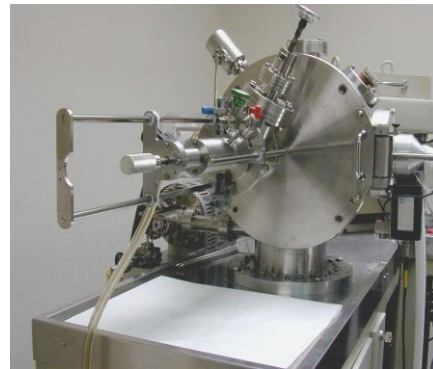
MassCare Ltd is a young company built on a strong foundation of many years experience. Its founder and Director, Dr Peter Robinson, has worked in Mass Spectrometry for over 25 years, mostly in the field of Glow Discharge Mass Spectrometry [GDMS].

Having spent most of these years working within a large company environment, Peter has now set up MassCare with a view to offering a more flexible solution to your problems. By using the experience gained and the contacts made, MassCare can now offer a full range of services.

Technical Support for Mass Spectrometers, in particular Glow Discharge Mass Spectrometry, is the fundamental drive of the business. MassCare can offer support in the areas of instrument service, training, upgrades, spare parts and consumables.

The focus of the business is the GDMS model VG9000. However, the way in which mass spectrometry has developed over the years, particularly in the UK, means that there is significant commonality

across different techniques. For example, the Thermal Ionisation and Gas Mass Spectrometers developed in the 1980's share a lot of electronic and mechanical parts with



the VG9000. The same problems of obsolescence and availability affect these instruments, and it is very possible that MassCare may be able to help if you have a problem.

In addition to the systems and techniques discussed above, MassCare also has experience in the field of ICP-MS, both magnetic sector and quadrupole systems.

Component Manufacturing can lead to significant delays in development, particularly if you are not experienced in vacuum technology. A lot of workshops today need full CAD drawings before work can be undertaken.

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We at MassCare are happy to work with you to produce "informal" drawings for one-off pieces and we have developed a network of workshops with the necessary skills to produce your parts without the need for full documentation.

A further complication can be that occasionally specialist materials such as Tantalum, Niobium, or ceramics are needed for certain applications. These need particular skills when machining, and errors can be expensive.



It may be that some parts are no longer produced by the original manufacturer. In this case we would be happy to investigate the possibility of "reverse engineering" the component.

Vacuum System Development is a very specific area of expertise, yet many development projects demand vacuum as a tool rather than an end in itself.

If you have a need for a small vacuum system as part of your project, then the obvious thing to do is to approach the manufacturers of vacuum pumps. Their priority, naturally, is to sell you the nearest suitable system from their own catalogue, and it may not be the best for your application. There are advantages in using an independent vacuum consultant such as MassCare in reaching your decision.

We are happy to spend time with you discussing your requirement. We can then either recommend an off-the-shelf unit or build a bespoke system that matches exactly your specifications.

Our Contact Details are shown below. If you feel that we could be of assistance to you in any way then please do not hesitate to get in touch.

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