



## CHAMBERS AND SPECIAL ORDERS

ITL are experts in the manufacture of special orders and chambers direct from your drawings, data or verbal instructions. Where required our Technical Support Engineer's experience is available to you, ensuring we produce the correct design for your application.

Our comprehensive manufacturing facilities means we can custom build any vacuum chamber or fabrication promptly and cost efficiently whilst ensuring the highest quality standards. Large capacity machining centres and handling equipment are also available for the fabrication of special vacuum assemblies and chambers of up to two metres diameter.

## Drawing Office

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Our highly experienced drawing office will produce engineering drawings of your proposed custom products based on your requirements and specification. Or if available we can work from supplied drawings. An experienced vacuum system specialist will visit your site to discuss your needs on request.

## Manufacturing Capabilities

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We are able to supply one off specials ranging from a standard part with an additional port configuration to multi-port chambers up to two metres diameter, utilising large capacity machining centres and handling equipment for the fabrication of special vacuum assemblies and chambers. We can supply one off's on demand or manufacture and supply specials on a regular basis for high and ultra-high vacuum applications.

Precision port alignment for analysis chambers, integral cooling coils and all required components, such as electrical feedthroughs, manipulation equipment and gauges can be pre-assembled and tested.





## Processing and Testing

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All chambers undergo thorough processing and testing during and after manufacture and are 100% independently inspected. We have the ability to produce plotted inspection reports using our measuring arm and associated software, on request. Smaller items can be checked on our CMM, inspection printout which is also available on request.

## Cleaning

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Cleaned to HV or UHV application, with cleaning through our automated cleaning plants or with a hot steam wash process and air bake as standard. Baking facilities, up to two metres diameter. On request, we can blank off the chambers, pump and bake under vacuum with RGA printout supplied.

