

Accessories for Orbital Welding

WIG 10/175 Tungsten Electrode Grinder

To obtain repeatable results when using orbital welding equipment it is important to have a high quality tungsten electrode which is prepared correctly. By using a Tungsten Electrode Grinder fitted with a diamond grinding wheel you will obtain a perfect tungsten geometry every time. The diamond grinding wheel leaves a polished finish which further enhances the performance of the electrode in service.



The WIG 10/175 is fitted with a diamond grinding wheel to give your tungsten electrode a high quality surface finish. It can also be used to trim tungsten electrodes to approximate length in two simple operations. First the tungsten is scored with the corner of the diamond grinding wheel at the appropriate point and then snapped using the provided location points.

To ensure tungsten's are ground accurately the WIG 10/175 uses a tungsten collet system when grinding. The collet securely locates in the grinder and has a small handle which is used to rotate the tungsten. This system ensures a even and concentric grind.



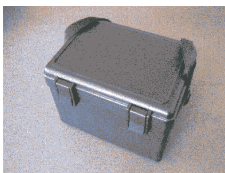
ORB1000 Oxygen Analyser

The ORB 1000 oxygen analyser has been designed to enable our customers to be able to perform to all the latest quality assurance regulations. With this instrument you will be able to give your client a guarantee that all welds performed will have an acceptable internal finish.



The ORB 1000 will plug into our standard ORBIMAT C power supplies. The power supply will then only weld if the internal purge level is acceptable. The power supply will also monitor the levels during welding and should a problem occur where the gas level rises the weld cycle will be interrupted and the operator will be notified.

The unit will give an accurate and reliable measurement of oxygen content down to 10 ppm. The sensor uses new technology which gives it a long life expectancy with little or no maintenance required.



The ORB1000 is supplied in a tough ABS case with room to house all accessories and leads. This makes the unit easy to transport and store. The ORB 1000 has been designed and manufactured with orbital welding in mind, this means it is very user friendly and needs user input once set. The unit is controlled via a menu system can be operated in English or German.

Tube Preparation Equipment

To enable the production of sound welded joints with Orbital Welding Equipment is paramount that a good joint fit up is achieved. Orbimatic can offer a wide range of tube and pipe cutting and preparation equipment to suit your application and budget.



To produce a square cut on tube it is recommended that a tube cutting machine be used. These machines use a HSS blade which is rotated around the tube to leave a square cut with minimal burring. Tube cutting machines are available in a wide range of styles.

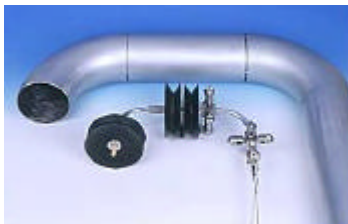
When welding small diameter tubes is recommended that a Tube Facing machines be used. Tube Facing machines clamp to the pipe and rotate a cutting blade around the face of the tube. The resulting finish is ideal for the use of Orbital Welding Equipment. The tube will be left with a square face without a burr on the inside or outside diameter of the tube.



Pipe preparation equipment usually locates on the inside diameter of the pipe and can be used to face, counter bore and cut a weld preparation. With effective use of the machine all three actions can be carried out in one operation. There is a wide range of equipment available and we can advise on which is best suited to your application and budget.

If you would like us to advise the right equipment for you please contact us.

Internal Purging Equipment



For Orbital Welding Applications the use of an internal purge is required. Internal Purging Equipment is used for two reasons.

Firstly they will drastically reduce the amount of Purging Gas that is used by localising the volume of the purge area. Secondly they can provide a guarantee the area in which the weld will take place is at an acceptable level before welding commences.

When used in conjunction with a Oxygen Analyser these products can pay for themselves in just a few welds.

A wide range of Internal Purging Equipment is available and we can advise which is best for you and your needs. As these items pay back very quickly budget is not a real issue with these items.



ORBIMATIC GmbH
Floesser Weg 17
D-35418 Buseck / Germany

Tel - + 49 6408 90260
Fax - +49 6408 902650

Email – Orbimatic@t-online.com

ORBIMATIC GmbH
PO Box 416, Welbeck Way
Peterborough, Cambs, PE7 3XE

Tel – 01733 244063
Fax – 01733 244463

Email – sales@orbimatic.fsbusiness.co.uk

SEE OUR WEB SITE – <http://www.orbimatic.com>