

# OrbiNEWS

*Your Update On The Latest Developments In Orbital Welding Technology*

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## 'Orbital Welding Technology Centre' Opens

Orbimatic are firm believers in working in partnership with customers, to help keep costs to a minimum for the mutual benefit of both companies. So this prompted the opening of a new 'Orbital Welding Technology Centre'.

This 'Orbital Welding Technology Centre' will give existing and potential customers a research & development facility which is available free of charge. For those who want to prove the use of the process and equipment before investment, this provides an invaluable service as there will be no commitment to purchase at the end of the research project should you consider that orbital welding equipment is not suitable for the application.



The Orbimatic (UK) Limited Facility



Orbimatic (UK) Limited  
Training & Conference Facility

Orbimatic (UK) Limited consider that this service offers a valuable service for many companies who would like to try out the process but do not want a high pressure salesperson pushing them once they have tried out the technology.

But this new facility is not limited to the provision of assistance with Orbital Welding Equipment, this facility will also provide a service for customers to try out a full range of high quality TIG, MIG and Plasma Welding & Cutting equipment. All 'Research Projects' are carried out in a structured manor which suits both companies and a simple

'Partnership Agreement' is drawn up to outline who will do what.

The 'Orbital Welding Technology Centre' also house a fully equipped training facility which will be used to run three orbital welding training courses per month. The training facility includes a modern classroom with full audio-visual facilities and a fully equipped workshop for practical sessions.



Orbimatic (UK) Limited  
Display & Demonstration Area

## Accles & Pollock

Orbimatic have supplied an AC/DC orbital welding system to Accles & Pollock for use on a diverse range of pipework.

Accles and Pollock now have capacity to weld tubes with diameters up to 3" (76.2mm) in mild steel, stainless steel or aluminium.

Accles & Pollock can also offer a class 100 cleanroom production facility and tube bedding and cutting and robotic

laser welding service at their large manufacturing facility in Oldbury, West Midlands.

For details of their services you can contact Malcolm Edwards on 0121 5432171 or [m.edwards@accles.co.uk](mailto:m.edwards@accles.co.uk).

## LFCL Take Another

Liverpool Fabrication Company Limited (LFCL) from Bootle, Merseyside have taken delivery of a second orbital welding system from Orbimatic.

LFCL purchased their first system around a year ago to help with the installation of their own designed and manufactured equipment to bakeries all over the UK. Now, because the system has allowed their installation rate to be so significantly increased with a minimum of workforce, they have purchased a second system to allow them to handle two sites consecutively.

And as a result of their high production rates, LFCL have been awarded more contracts.

## Website Improved

Orbimatic (UK) Limited have made some major changes to their website to provide users with a wide range of useful information.

The site has also become multilingual with separate pages in a variety of languages including Spanish, Italian, Portuguese, Finnish, Bulgarian and Polish. These translated pages give foreign visitors the basic information in their native language.



At the bottom of each translated page are the details of Orbimatic's appointed distributor for the regions covered by that language. This allows visitors to contact a company that not only have a good knowledge of the Orbimatic range, but speak the visitors prime language.

In addition the product literature page has been updated to allow visitors to be able to view a 'Low Res' brochure on their screen, but also allow a 'High Res' brochure to be downloaded for printing out presentation and archiving.



You can visit the site at - [www.orbimatic.co.uk](http://www.orbimatic.co.uk)

## Introducing.....The PS 4.5 Tube Cutting Machine

### *The Worlds Lightest Orbital Tube Cutting Machine.*

The PS 4.5 is manufactured by Georg Fischer Piping Systems and works using the same 'Orbital Cutting' principle as the industry proven RA range of cutting machines.

All Georg Fischer cutting machines use variable speed high powered motor units with a rotating carbide cutting blade to give high precision cut. This system allows the PS 4.5 to be used prior to Orbital Welding application with no extra preparation work need on the tube end.



A simple cam system is used to introduce the cutting blade into the tube accurately and gently prior to the cutting process. Because the cutting blade is introduced to the material gently its life expectancy will be extended.

Weighing in at only 19kg, the PS 4.5 is ideal for applications where it needs to be transported form one working area to another.

For further details of the PS 4.5 please contact Orbimatic.

### ASME BPE Exhibition

Orbimatic will be attending the upcoming ASME BPE exhibition in Dublin, Ireland on the 1 June 2005.

The new ORBIMAT 165CB will be displayed to give interested parties a chance to see the new & advanced features of this power supply.

A range of high quality weld purging and inspection equipment will also be on display.

### Orbimatic on Tour

Orbimatic have already planned a range of exhibitions and seminars for 2005. The schedule will involve the company travelling all over the world in 2005 with visits to exhibitions in China, India, Korea and Russia as well as more local exhibitions in the UK and Germany.



The highlight of Orbimatic's schedule will be at Schweissen and Schneiden at Essen in Germany where a full range of equipment will be on display and some revolutionary new products will be displayed.

Schweissen and Schneiden is the world's largest welding exhibition and attracts visitors from all over the world.

### Introducing.....The P24 Tube To Tubesheet Fusion Weld Head

#### *Lightweight Tubesheet Weld Head For Fusion Application.*

The P24 is an automatic TIG welding head designed for tube to tubesheet welding applications which do not require the use of a filler material.

The P24 is a lightweight compact water-cooled welding head which weighs only 1.4 kg and incorporates a simple mechanical clamping mechanism for secure fixturing of the weld head to the tube to be welded.



The weld head clamps directly to the tube to be welded via an expanding mandrel which is operated by a simple mechanical clamping system. As the clamping mechanism clamps directly inside the tube being welded the head is automatically aligned concentrically.



The welding zone is fully enclosed by during the welding cycle which enables it to be used for highly reactive materials such as titanium.

The P24 will accommodate tube diameters from 10mm to 26mm and has further flexibility as it is possible to adjust the angle of the tungsten electrode.



### Up, Up and Away

One of the UK's leading manufacturers of electronic instrumentation for the aero industry has shown further commitment to Orbimatic with the purchase of a further two systems.

The two new systems will be used in a dedicated manufacturing cell and Orbimatic were selected because of the exceptional service and support they have provided.

This brings the total number of systems to four and this number is set to rise further in the future as new products are introduced.



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