



## **ORBITAL FABRICATIONS BUYS ARC MACHINES' FLAGSHIP EXEL EPS-1500 ADVANCED FUSION WELDING POWER SUPPLY**



A market leader in orbital welding, Orbital Fabrications which specializes in the assembly of gas and fluid handling systems, has become one of the first UK companies to purchase an EXEL EPS-1500 welding system by AMI, following its launch earlier this month.

Cambridgeshire based Orbital Fabrications, no stranger to Arc Machines having used its products for over 22 years and has nothing but praise for the EXEL EPS-1500. The company says that it has enabled it to adopt a far more flexible method of working.

In addition, the EXEL EPS-1500 will allow the business to undertake a more diverse range of new projects, as its Chief Executive Officer, Philip Pearson, explains: "The EXEL EPS-1500 is almost universal because it operates with a cross-section of different manufacturers' weld heads, is compact and has a continuously adjustable weld level instead of a step level. The cost was no more expensive than any other comparable welding system so it was not only a highly viable purchase but has also assisted Orbital Fabrications with future proofing."

Orbital Fabrications supports a lot of diverse industries including leading aerospace, electrical, semiconductor, biopharm, pharmaceutical, fuel cell and automotive manufacturers. Services range from small scale projects to full turnkey solutions, so flexibility is an important issue. The adaptability of the EXEL EPS-1500 means that the firm can now service all these industries with the minimum of change downtime, which allows it to provide a full one-stop-shop service.

"The EXEL EPS-1500 allows coverage of all sectors of the industry and adds another string to our bow. If a job comes along, then the equipment's continuous up or down slope, will provide the solution. At the moment we have a step level rather than a continuous level, which is limiting," adds Mr Pearson.



He also extols the service he has received from Arc Machines which he describes as very good. “They continue to come each year and recalibrate equipment such as the Model 207 Power Supplies which were bought many years ago,” he said.

This latest Arc Machines order follows a decision by Orbital Fabrications, which prides itself on producing high quality and reliable work, to continue its expansion plans, which have included doubling the capacity of its machine shop and adding a bespoke projects facility.

The EXEL EPS-1500 is supplied with 150 amp power supply, weighs just 23kg (37lbs) and has a patented S<sup>3</sup> weld schedule. The feature rich EXEL EPS-1500 offers substantial operational cost savings to companies like Orbital Fabrications because it can be used with a wide range of AMI weld heads and those of competing suppliers.

Other features include intuitive 12” software driven touch screen, which uses just three dashboard screens to control and monitor the entire weld process. Fully microprocessor controlled, weld parameters are set by the power supply which records the weld schedule for each size and wall thickness of tube or pipe in the unit’s memory. These can easily be recalled and modified for different materials with any subsequent changes logged by the system.

Equipped with a high level of connectability, the EXEL EPS-1500 has two USB ports that allow for the interfacing of peripherals and storing weld schedules on a memory stick for back-up. In addition, there is a network connection allowing for access to both local networks and the internet, enabling if required long distance real-time weld monitoring.

Summarizing, Arc Machines Vice President for Europe, Mike Allman, said: “This latest purchase by Orbital Fabrications clearly demonstrates the flexibility the EXEL EPS-1500 provides and I am delighted that the company has become one of the first to purchase our latest solution.” ♦