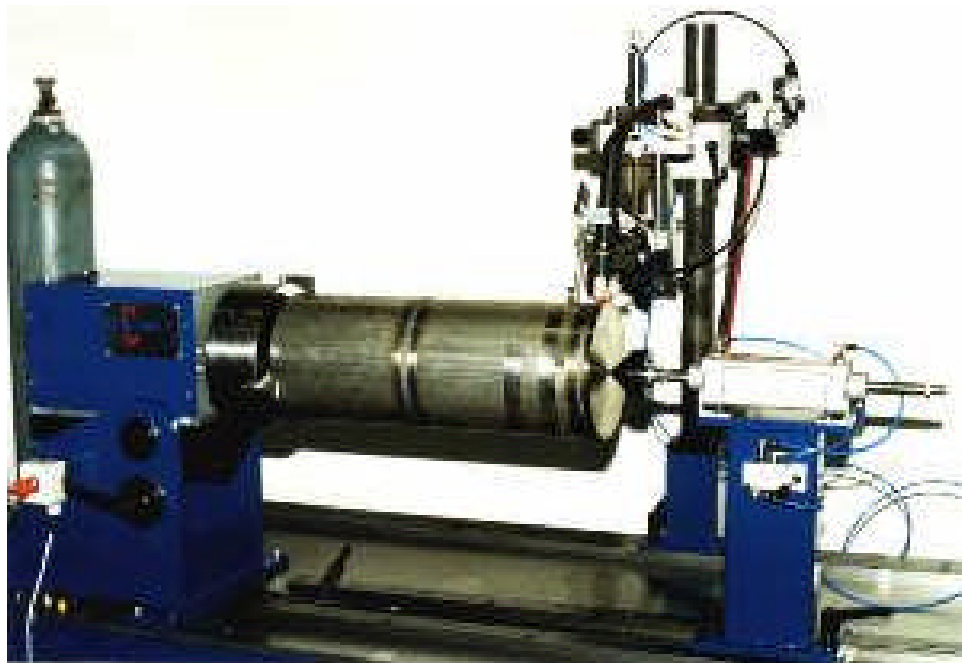


# PRECISION WELDING LATHE



The Orbimatic Precision Welding Lathe is the ideal tool for welding of small circular components. It can be controlled by the ORBIMAT C range of welding power supplies to give a precise a repeatable operation.

When used with the ORBIMAT C range of power supplies components can be provided with a data log file which details exact deviations during to welding cycle.

The Orbimatic Precision Welding Lathe is designed for complete flexibility. The lathe bed can be produced from robust aluminum extruded section which can be easily extended to accommodate any size of component.

The torch tower and tail stock are both positioned along the length of the lathe bed by use of an 'Easi-Glide' slide. Both can also be locked in position by use of the pneumatic clamping system.

The tail stock is advanced and retracted on a pneumatic slide and gives secure location of the component being welded.

The torch mount incorporates a mechanical arc length controller and the torch mount can also be retracted from the weld area during loading and un-loading of the component.

When connected to an ORBIMAT C welding power supply the rotation can be controlled with a tachometer feedback to ensure a constant rotation during the welding cycle.

Orbimatic can also design and build lathes to suit your exact application should our standard lathe not suit your products.



### **ORBIMAT C POWER SUPPLY**

The Precision Welding Lathe can be controlled by any of the ORBIMAT C range of Welding Power Supplies. These power supplies can be used for the full weld cycle. This includes rotation delay, slope times, current, pulse times and rotation speed. They can store hundreds of welding programs including an application specification for each procedure.



### **ORBIMAT C WITH ORBITWIN**

The ORBITWIN can be used to connect the Precision Welding Lathe and an Orbital Weld Head to the same power supply. The Orbitwin will automatically select the appropriate procedure from the ORBIMAT C power supply and transfer services to the weld head or lathe in use.



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