

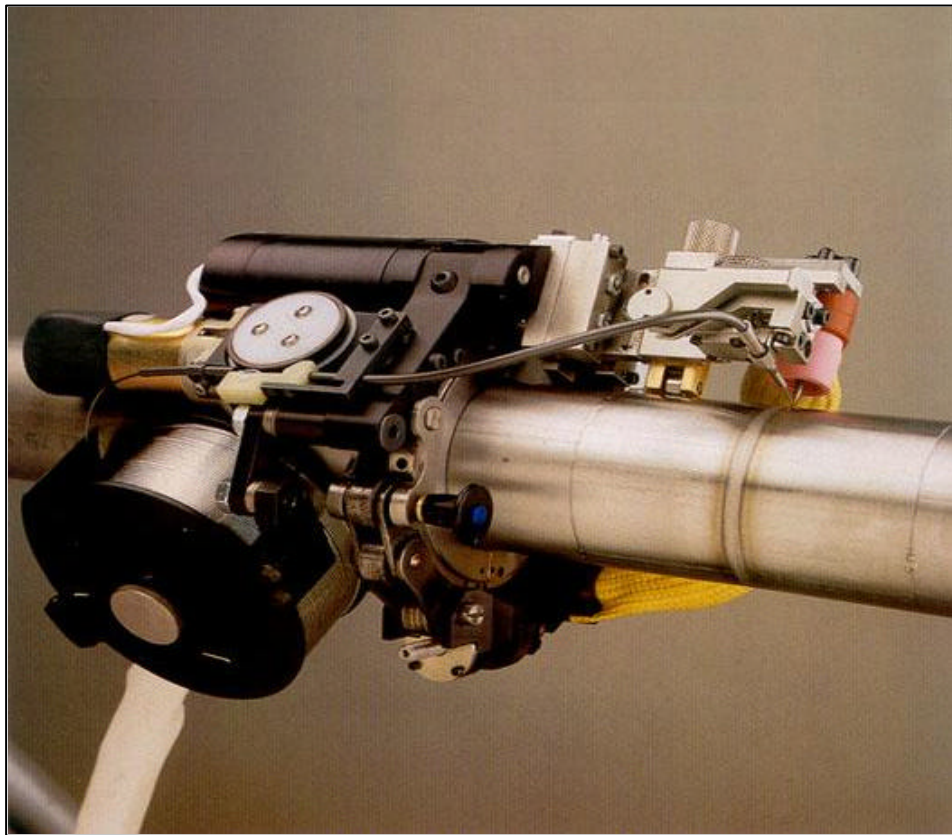
**THE NEXT GENERATION OF
ORBITAL WELDING EQUIPMENT**



ORBI-TRAK,

Track Drive Open Arc Weld Heads

With or without Cold Wire Feed

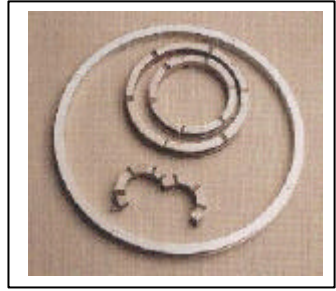


The new series of ORBI-TRAK Open Arc Weld Heads are driven around a fixed track which is mounted to the tube or pipe to be welded.

**Standard tracks are available for tubes and pipes from
1" OD up to 14" Diameter.**

These heads can be used with or without the optional wire feed unit.

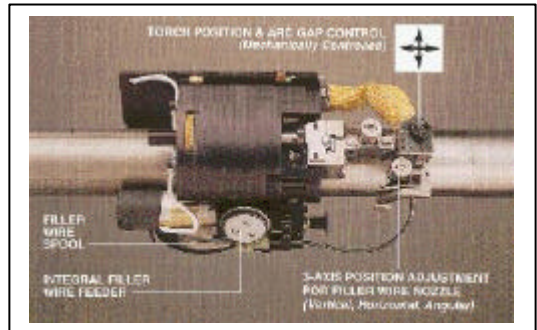
The Orbi-Trak is a track drive open arc weld head for use on tube and pipe diameters from 1" to 14" OD. A track is required for each OD of tube or pipe being welded. The Orbi-Trak is a fully water cooled weld head to allow it to be used for production work.



The Orbi-Trak is equipped with a surface profile compensation mechanism, which allows it to cope well with slight ovality in the tube or pipe being welded. The surface profile compensation mechanism adjusts the position of the weld head as the surface of the material changes. The surface profile compensation mechanism ensures that the Orbi-Trak produces a constant weld profile around the whole of the circumference of the tube or pipe being welded.



The Orbi-Trak can also be used with or without a Wire Feed Unit. When used with a Wire Feed Unit the system can be used to weld thicker materials with multi passes. The wire feed attachment allows the connection of a standard 100mm wire spool.



OPTIONAL EXTRAS

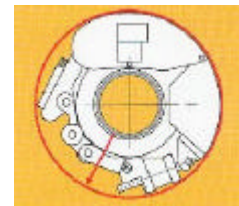
The Orbi-Trak can be used with a range of optional extras which include a wire feed unit which allows it to be used on thick wall tubes and pipe. Another option is the Socket Welding attachment which allows the head to be used for fillet weld. And for applications with low radial clearance a Low Profile head is available.

SPECIFICATIONS

Tube Diameter Range	1" to 14"
Weld Travel Speed	0 to 10 IPM (0-250mm/min)
Max Amperage	200 Amps (Continuous)
Cross Seam Adjustment	0.375" (9.52mm)
Arc Length Stroke Adjustment	0.500" (12.7mm)
Torch Lead / Lag Adjustment	15 degrees (manual)
Torch Tilt Adjustment	10 degrees (manual)
Weight	8lbs (3.6 kg)

OPTIONAL WIRE FEED UNIT

Wire Sizes – 0.8, 0.9 & 1.0mm Diamter
Wire Feed Speed – 0 – 100 IPM (0 – 2540mm/min)



Radial Clearance
(for Tubes above 48mm)
Standard Head – 64mm
Low Profile Head – 51mm
Axial Clearance
Torch to Front – 100mm
Torch to Rear – 237mm



When used with one of the ORBIMAT C orbital welding power supplies you have a Technology Leading Systems which can be used to store welding procedure and keep weld data log files with exact deviation for each weld made. These power supplies can be used to control 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.



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