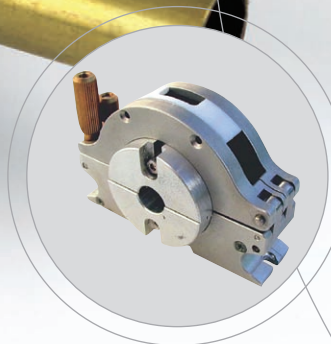


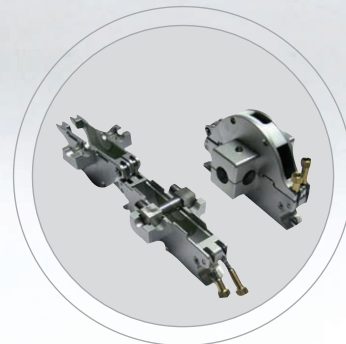
The removable cartridge system allows precise alignment of the joining parts, even under extremely narrow conditions



The extremely small design allows even the joint of microfitting to microfitting



Wide cartridge with changeable collets for standard applications except for microfittings



For each tube size one specific cartridge is required

# ORBIWELD 12

Microweldhead for tubes from  
Ø 3 - 12.7 mm (0.118 - 0.500")

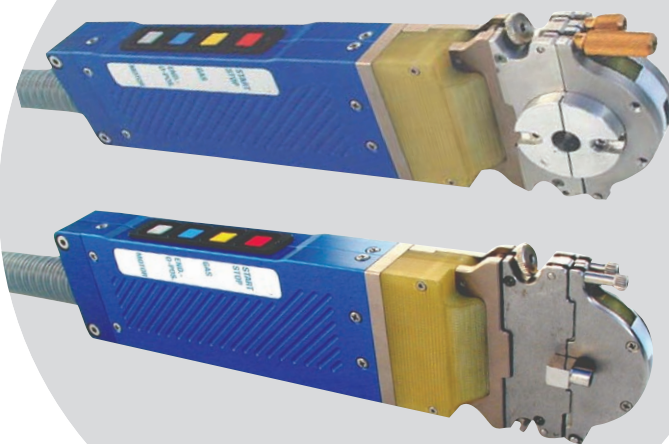
The ideal solution for semiconductor industries and wherever you have extreme low clearances. Matches all types of Microfittings!

The ORBIMATIC **ORBIWELD 12** microweldhead with its extremely compact design and the various cartridges, offers a unique flexibility and through an integral water-cooled body design an unusual high duty cycle for a weld head in that size concept.

Together with the **ORBIMAT C**-range of orbital power sources you will get a high-precision welding system with multiple choices but still easy operation:

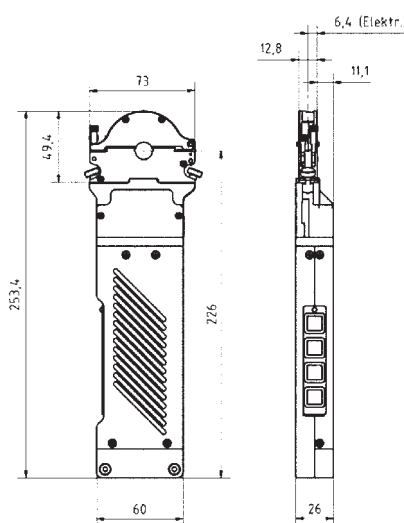
- Quick-change system for collets
- In-handle integrated remote control
- Collets for nearly all standard elbows and fittings
- The extremely small design allows even the joint of microfitting to microfitting (for each tube size one specific cartridge is required)
- Wide cartridge with changeable collets for standard applications except for microfittings
- The removable cartridge system allows precise alignment of the joining parts, even under extremely narrow conditions

*OW 12 with wide cartridge and changeable collets*

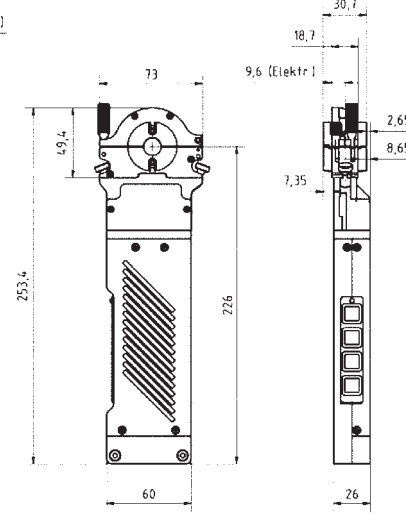


*OW 12 with thin cartridge, especially for microfittings*

*Dimensions ORBIWELD 12 with cartridge type A:*



*Dimensions ORBIWELD 12 with cartridge type B:*



Orbital Welding Systems.

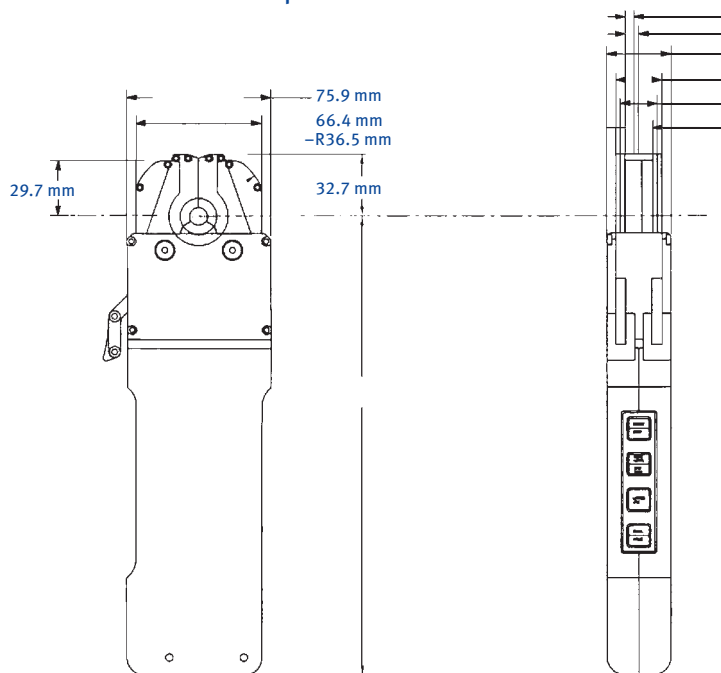
❖ With standard, off-the-shelf fixturing kits for the VK 19 you can weld microfits and VCR glands.

## VK 19

Closed orbital weld head for tube diameters from 3 - 19.05 mm (0.118 - 0.750"). Extremely small yet rugged design provides very high duty cycle production rates through an integral water-cooled body design.

A wide range of very useful applications especially in

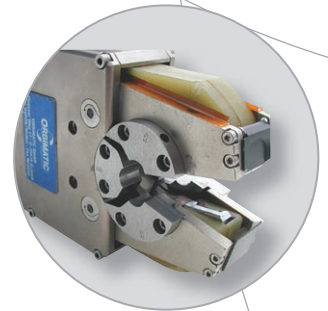
- Semiconductor industry
- Aircraft, aerospace
- Pharmaceutical industry
- High-purity water installations
- Laboratory, instrumentation
- High production rate part manufacturing
- Portable on-site repair and installation



❖ Built-in keypad in the handle



❖ Easy-to-use triple clamping mechanism



Secondary electrode position 4.9 mm  
Primary electrode position 7.2 mm  
34.0 mm  
Standard colleted fixture axial width 24.5 mm  
Dedicated fixture axial width 19.6 mm  
Body axial width 14.5 mm

With the built-in keypad in the handle all necessary commands can be given to the power-source without using an additional remote control. With the easy-to-use triple clamping mechanism you are able to quickly and positively fix the head onto the weld joint under extremely narrow or inaccessible conditions. Because of the clamp design no parts extend beyond the shape of the head body, even in the fully-open position. Furthermore, with the very accurate and solid clamping design, an exact alignment and positive fixturing of the welded parts is repeatedly assured.

*The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.*

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