



**WOLFRAM INDUSTRIE**  
TUNGSTEN TECHNOLOGY GROUP

# ORBISTAR®

## The tungsten electrodes for orbital, tube and circumferential welding.

**Improve your process with  
ORBISTAR® orbital welding electrodes  
from Wolfram Industrie:**

- 1** Precision reproducibility of welding processes
- 2** Excellent ignition characteristics
- 3** Extended service life
- 4** High-quality weld seams
- 5** Short production times
- 6** Excellent health and environmental profile
- 7** Tested quality (tools)

## ORBISTAR® – our expertise is your advantage.

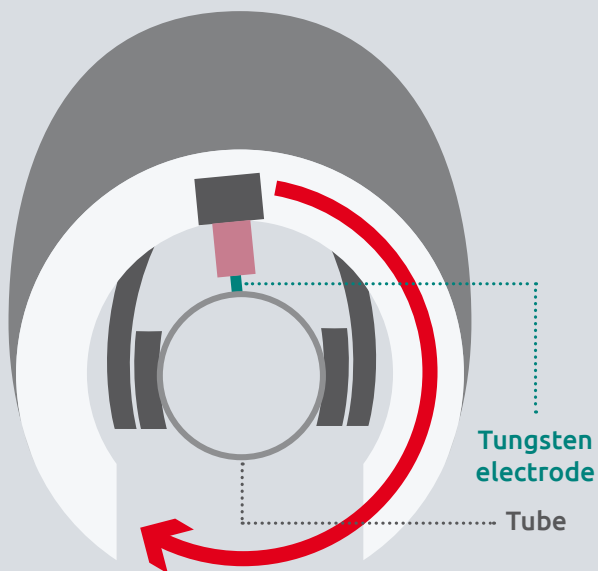
Whether it be pure, thoriated, cerium or zirconium Tungsten electrodes or lanthanum or specialist electrodes, with over 100 years of experience, Wolfram Industrie is your partner for orbital welding. Perfect proof: We also produce angled electrodes up to a diameter of 3.2 mm (for internal tube welding).

## Better orbital welding electrodes developed with input from users.

Alongside the alloy composition, the electrode geometry also influences the welding result. As a result, we have developed our ORBISTAR® WS2® WITSTAR® and the ORBISTAR® WLa 20 electrodes in a range of tests on our electrode testing rig and

through constant, close collaboration with users. With superlative material properties, excellent surface quality, precise point geometry and an accurate longitudinal cut, they are ideal for orbital welding without splintering in the process.

## Wolfram Industrie ORBISTAR® – the perfect electrode for every application.



### ORBISTAR® WS2® WITSTAR®

With rare earths for increased service lives with tube welding applications of all kinds.

### ORBISTAR® WLa 20

Developed for welds with frequent firing sequences.

- Standard diameter 0.5 - 6.4
- Point angle 18° - 120°
- Single/double-sided axial point
- Ideal in the low-current sector
- Ideal even with thin-walled tubes

During orbital welding, the light arc moves along a circular path (orbit) around a fixed, round workpiece. This mechanization and machine-controlled regulation of the welding process guarantees an extremely smooth seam area on the insides of the tube, regardless of the tube diameter. For many areas of application, such as food processing and pharmacy, this characteristic is crucial.

## Orbital welding electrodes made according to individual specifications.

Wolfram Industrie of course also offers other alloy compositions. The electrode dimensions can also be produced in accordance with your individual specifications.

## Orbital welding electrodes for lower costs and higher quality.

Cut your costs while constantly maintaining high welding seal quality and secure your advantage on the market. Choose ORBISTAR® WS2® WITSTAR® and ORBISTAR® WLa 20 ! Supplied in practical orbital packaging.

You can find more information and tips for safe handling on our website.

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