

## **BrauBeviale 2018 Trade Show in Nuremberg**

### **TIG orbital welding: Quality, flexibility and productivity.**

The Brau Beviale trade show enables participants in the food industry — especially the beverage sector — to present their latest innovations across the production chain, from equipment installation to the finished product.

This trade show will give Polysoude a chance to present its solutions for orbital pipe welding, developed through years of TIG process expertise, and above all the latest addition to its closed-head MW range.

The standards and regulations governing the food and beverage sector are subjecting manufacturers to ever more exacting quality demands. For this reason, Polysoude has devoted several years to developing orbital welding solutions using the TIG process. Moreover, this process allows us to fully comply with EHEDG recommendations and U.S. Food and Drug Administration (FDA) standards, and follow their advice.

This process is stable and reliable, with or without a filler wire, and can be used on all types of material. It works with a wide variety of welding heads and Polysoude welding power sources, and covers all pipe sectors. It ensures the quality, consistency and repeatability that manufacturers demand.

As part of its broad line for orbital welding, in recent years Polysoude has developed the MW 34 for high-productivity applications without filler wire. Its compact dimensions, ergonomics, and high duty cycle are among its advantages. Among the welding heads that meet ultra-high purity requirements, the MW 34 bridges the gap between the UHP series, mainly designed for welding of micro-fittings, and the MW series, which is mainly for the agro-food, pharmaceutical and chemical industries, among others. The MW 34 offers the size advantage of a UHP 1500 head and the productivity of an MW welding head. It also features the same titanium clamp inserts as the UHP 1500, which have a lifetime guarantee. These clamp inserts adapt to tube dimension tolerance variations while ensuring non-contamination.

The MW 34 comes in two versions. Version 2T is the best known and most widely used. It has two sets of inserts. Each set is mounted in the clamps, assuring that the two parts to be assembled are held on both sides of the weld joint. The 1T version allows clamping with a single set of inserts, but the gas shielding around the weld joint is provided by protection flanges. This version is useful for places where restricted space may hinder welding operations.

Its range of use from 6 mm to 34 mm makes the tool excellently suited not only to the pharmaceutical, food and traditional chemical industries, but also to aeronautics, biochemistry and micro-electronics.

For welding applications in a clean room, Polysoude can complete the installation with its P4-3 power source and its optional remote touchscreen. The operator can therefore select the welding mode, then program and monitor the welds without leaving the room. This considerably limits the risk of contamination.

These products are just a small part of Polysoude's standard orbital range. Our team will be happy to welcome you at the Brau Beviale 2018 trade show in Nuremberg (Hall 6, Booth 100) and introduce you to our vast product line devoted to orbital welding.

