

Orbital Welding

Sanitary Piping Systems—Orbital Welding Stainless Steel Sanitary Tube & Fittings Fabrication & Installation

To comply with federal drug and food regulations, CIP (clean in place) and other piping systems in the food, dairy, biotechnology and pharmaceutical industries must have smooth inner surfaces. Welded joints containing imperfections create sites for the growth of bacteria colonies. In addition, some foods can corrode stainless steel, especially at or near welds.



Hooper brings experience and dedication to your project

Since 1913, Hooper Corporation has offered a wide range of mechanical, and electric power services to our clients both for new construction projects and for retrofitting or expanding existing facilities. Our services are backed by decades of invaluable field experience and the most modern equipment and technology.

Hooper has installed piping systems for the food, beverage, dairy, biotechnology and pharmaceutical industries. Using a sophisticated combination of state-of-the-art computer technology, trained and experienced personnel, and specially-designed facilities, we have developed an in-house and mobile orbital welding system that conforms to the highest quality and validation requirements.

Our specialized orbital welding capabilities include the ability to weld tubing ranging from 1/2" to 4" diameter. This, combined with our expertise in stainless steel manual welding and clamped systems, make Hooper an excellent choice for your next sanitary process piping project.



Automatic Orbital GTAW (TIG)* welding assures smooth crevice free inner piping surfaces, extends system life by inhibiting corrosion and creates a more sanitary system by dramatically reducing possible contamination sites.

Orbital welding purges the outside and the inside diameters of the pipe with inert argon gas which protects the weld area from oxidation as the metal heats to welding temperature. The result is a clean and uniform weld area more corrosion-resistant than an oxidized weld. Uniform, repeatable welds prevent unfused edges where corrosion and contamination start.

*Gas Tungsten Arc Welding (Tungsten Inert Gas)



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