



Welding

OTT's reliable and technically qualified personnel deliver safe, quality welds on time and at prices our customers can afford.

Our welding technicians are fully certified in accordance with American Society of Mechanical Engineers (ASME) Section IX standards. Certifications are kept up-to-date at all times. Through our computerized library of Welding Procedure Specifications (WPS) and Personnel Qualification Records (PQR), we can quickly and easily match qualified welders to the requirements of any job. OTT's exacting training and certification program assures you'll receive the quality you require, no matter how stringent the acceptance criteria.

Since its inception, Orbital Tool Technologies has expended a great deal of time and resources developing some of today's most advanced welding techniques, all of which meet ASME Section IX standards

OTT ID & OD Welding Capabilities

- SMAW
- Manual and Machine GTAW
- Manual and Machine GMAW
- Hard Facing
- R-Stamp Welding
- Corrosion Resistant Cladding
- Temperbead
- Piping and Fitting
- Boiler Components
- Turbines
- Valves
- Heat Exchangers
- Coal Mills
- Machining Equipment
- Steam Chests
- Structural Steel
- Tubing
- Fully Automated Weld Processes
- Remote Welding Processes



We possess a profound expertise in manual, machine, and remote machine welding. These processes are applicable to butt, cladding, fillet, overlay, seal and temperbead weld applications. This ensures you that OTT can weld virtually anything, including cast iron.

It's All About Providing Solutions

Orbital Tool Technologies continues to discover numerous innovative welding techniques developed specifically for today's industry. For instance, the revolutionary "OTT Cold Cast Iron" Welding System. This is truly one of the most advanced welding techniques in existence; it quickly and easily produces welds of exceptional strength on most ferrous and nonferrous metals. Before the "OTT Cold Cast Iron" Welding System, cast iron welding was involved, extremely difficult, and often unsuccessful. With the "OTT Cold Cast Iron" Welding System, there's no need for conventional preheat, post heat or stress relieving, chasing of cracks, or worrying about the possibility of brittle welds. The "OTT Cold Cast Iron" process joins dissimilar metals with ease (excluding white metals). The final results are easily machinable, and in many cases can be polished to a mirror finish.

Application:

AC or DC Reverse Polarity

Superior Advantages are:

- Safe, solid weld on most ferrous, non-ferrous metals and combinations of dissimilar metals
- High strength factor and high frictional wear resistance
- All position welding ease
- Strong, crack free and easily machinable
- Easy arc control, little or no pre-heat or post heat required

Technical Information:

Tensile strength: 110,000 PSI

Hardness: Rc 20-23.



Our Business Revolves Around You

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