

HOT TAPPING & LINE STOPPING

TRITORC
PIPELINE SOLUTIONS



COMPANY PROFILE

Tritorc Pipeline Solutions- one of the leading service providers of unparalleled and unsurpassed onsite engineering service provider to various industries.

Tritorc operates internationally with headquarters based in Texas USA having its well established regional offices and workshops in India, UAE, Qatar, Oman, Kuwait, KSA and Africa.

Tritorc provides specialized engineering services and products to a diverse range of industries including Oil and gas onshore/offshore construction & maintenance, Petrochemical, Power generation, Construction, Infrastructure, Utilities and MEP & HVAC etc.

The range of products and services offered by Tritorc are designed to maintain maximized plant uptime by undertaking maintenance and repair services online thus to minimize loss of production due to downtime or outage.

At Tritorc, dedicated team of trained and highly skilled service personnel available on call for emergency services and other planned maintenance activities along with portable equipment to undertake the services in a safe and cost effective manner.

MAJOR PRODUCTS AND SERVICES

PIPELINE INTERVENTION AND PRESSURE SERVICES:

- Hot Tapping and Line Stopping
- Pipe Freezing
- Leak Sealing
- Online Valve maintenance and Testing
- Supply of EPRS Pipeline Repair Clamps
- Flange Weld Testers and Pressure Plugs

CONTROLLED BOLTING TOOLS:

- Hydraulic Torquing and Tensioning Kit
- Pneumatic Torque Wrenches & Accessories
- Electric Torque Wrenches & Accessories
- Backup Wrenches
- Manual Torque Wrenches & Torque Multipliers
- Nut Splitters
- Flange Spreaders
- Spring Balancers
- Impact Sockets and Slugging Wrenches

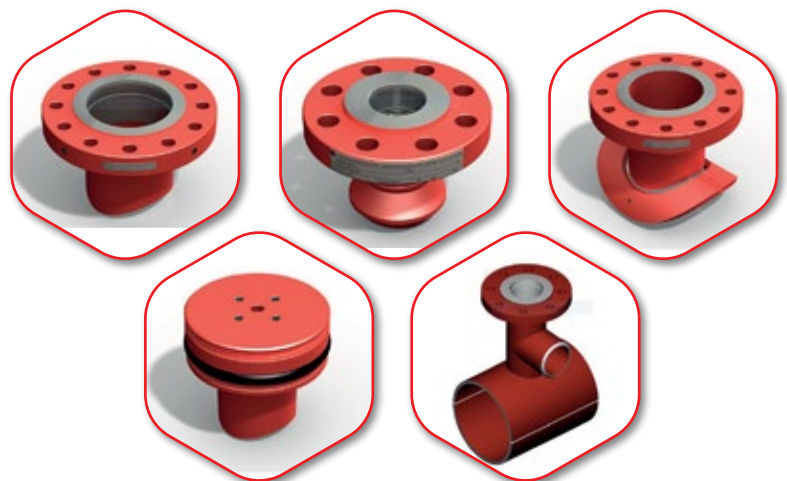
TUBE TOOLS:

- Tube Expanders for Boilers, Heat Exchangers, Radiators & Condensers
- Hydraulic, Electrical, Pneumatic Tube Expansion Systems / Hydraulic Auto Tube Pulling Systems/ Tube Spinner
- Tube Facing / Beveling Machines / Tube Cutters
- Tube Installation, Tube Removal Tools & Tube Cleaning Tools
- Special Customized Tube Tools

PIPELINE SOLUTIONS:

- Flange Facing Services
- Pipe Cutting and Beveling
- Sale / Rental of Machines
- Pipe Stands, Clamps & Other Accessories

As a specialist engineering service company, we understand that we have a commitment towards protecting our environment and society for the generations ahead. We endeavor this using most recent and proven industrial and environment friendly technologies and equipment to repair and maintain customer assets.



HOT TAPPING & FLOW STOPPING

Tritorc hot tapping service enables a connection to be made to a piping system or a vessel without shutdown or interruption to production. Isolation of a piping system is achieved by introducing a plugging head into the pipe bore through the tap created. All the hardware is designed and manufactured in accordance with the applicable design codes. All welding procedures conform with API standards.

Our equipment is designed and tested to withstand the required operating pressures, temperatures and harsh working environment, rated up to 1,450 psig and 400°C.

A comprehensive hot tapping package is available including a survey of the customer's site to determine the most efficient solution required.

- Hot tapping up to 84"
- Line stopping up to 66"
- Onshore or offshore; topside or subsea
- Inflatable gas bag isolation upto 60"

Highly skilled and experienced service engineers can apply a variety of different procedures to provide the most cost efficient solution to suit the customer's individual requirement.

Our equipment is capable of performing hot taps into a wide variety of products such as hydrocarbons, natural gas, water, steam and heavy oil among others.



HOT TAPPING & FLOW STOPPING MATERIALS

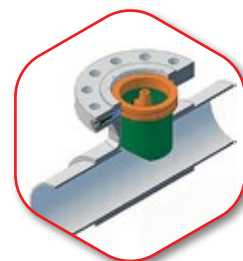
Tritorc's Engineering division provides custom designed and manufactured hot tap and line stop tees suitable for various pipe materials such as carbon steel, stainless steel, alloys, plastic based pipes. Consisting of a full-encirclement fitting and a weld-neck flange, our Hot Tap Tees are designed and manufactured to ensure the integrity of the piping system.

Typically the mating flange is ASME Class 150, 300, or 600; although, other pressure classes and flange styles are available.

Our Hot Tap Tees are designed to meet the requirements of ASME B31.3 and B31.4/8 with a 0.72 design factor. The standard tee material is A234 Grade WPB or WPC with A 105 flanges. Other materials are available to match customer requirements and existing pipeline materials and design parameters.

The tees are manufactured in accordance with widely accepted industry standards and in house quality program and are compatible with major models of hot tapping equipment. In compliance with most pipeline design codes, all pressure containing welds are 100% radiographed and hydro statically pressure tested, where applicable.

- Hot Tap and Line Stop Fittings are available in carbon and stainless to high-yield stress materials
- Fabricated or Extruded
- Welded or Mechanical
- Design Standards to ASME and API codes
- Completion Plugs and Pigging Bars Compatible
- Topside & subsea use





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