SUBSEA 1200RC TAPPING MACHINE

Pipeline Performance™
The Subsea 1200RC tapping machine is an innovative topside-driven hot tap machine with a passive ROV interface. It can be safely operated down to depths of 3,000 meters. This new addition to our portfolio addresses significant subsea challenges faced by pipeline operators and provides a complete shallow and deep-water solution for everything from routine pipeline maintenance to emergency interventions.

**BENEFITS**

- **Access** – Remote operation enables subsea pipeline access and hot tapping where divers cannot go.
- **Safety** – Separating man from machine at depth reduces diver exposure to danger.
- **Control** – Direct control and visibility from a laptop on the DSV overcomes diver-related problems and enables fast, accurate automated execution.
- **Visibility** – “Seeing” on a laptop what is going on inside the machine rather than relying on a diver’s judgment and second-guessing what is actually happening allows faster, better informed decisions to be made, helping to prevent mistakes and saving thousands in standby time.
- **Easier handling** – The compact, lightweight equipment enables great flexibility and easy handling in adverse conditions.
- **No shutdowns** – Intervention occurs without disrupting pipeline flow, so there are no costs for shutdown and depressurisation.
- **Eco-friendly** – The environment is protected because there is zero leakage or displacement of pipeline content.

**FEATURES**

- Works efficiently at depth.
- Pressure balanced for sea water depth and pipeline pressure.
- Works under line pressures up to 2220 psi.
- Laptop control program functions include running the feed and drive motors, and engaging or disengaging the clutch.
- Built-in sensors allow continuous recording of pressures, temperatures, rotation and movements of the pilot drill and cutter.
- Cameras on the ROV transmit images of the cutter rotation and position, and the clutch cylinder position.

**HOW IT WORKS**

Power is provided by a stationary ROV or equivalent subsea power unit with hydraulics and control system attached to the Subsea 1200RC. In shallow water diver assistance is required to install the tapping assembly and clamp the hot tap fitting, and subsequently remove the tapping machine. The tapping process is remotely controlled by a TDW technician, via a laptop from the deck of the DSV. For tapping into existing subsea tees, there is no requirement for a hot tap fitting, the Subsea 1200RC can be readily deployed and hooked up to the isolation valve with a mechanical connector.
TDW Offshore Services – Smart Pipeline Solutions™

TDW Offshore Services is the trusted world leader in pipeline equipment and services. We specialise in delivering safe integrity solutions for offshore applications, and are widely regarded as the experts in subsea pipeline intervention. We are well known for innovative, customised, high performance solutions that drive industry standards forward and protect the pipeline assets of customers throughout the world, throughout their equipment lifecycles.

With ninety years of hands-on experience in pipeline equipment and services, and fifty years of subsea interventions, we fully understand your pipeline integrity problems and emergency pipeline repair system needs. Our products are designed, built and proven to meet the challenges you face today, and our global services are structured to provide the on-site capabilities and expertise required to ensure that solutions are deployed safely and successfully.
Deepwater Intervention

- Subsea Major Repair
- Top-of-line Corrosion Management
- MFL/DEF Combo Inspection
- DE-Waxing Scraper
- De-Waxing Scraper
- PitBoss™ Scraper
- Stopple® Train Plugging System
- Subsea V-Jet® Scraper
- Subsea Launcher & Receiver
- Subsea 1200Rc Tapping Machine
- Subsea 1000 Tapping Service
- Clamp Installation Tool
- Subsea Tie-In Diver Assisted
- Diverless Hot Tap
- Laptop Connectivity