CTS 50

The **CTS50 Coiled Tubing Simulator** is a desktop version of the full-sized **CTS5000**. This interactive coiled tubing deployment simulator is able to challenge and evaluate employees from entry level through to senior engineers.

The **CTS50**'s highly adaptable interface allows surface equipment and downhole parameters in the supplied standard training snapshots to be modified by the instructor to test and evaluate students in a safe and controlled environment.

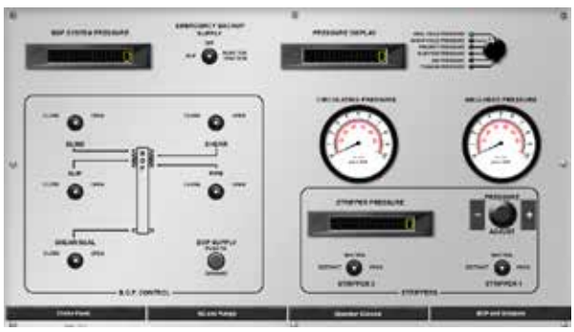
From job preparation, rigup and pressure testing, to being able to deal with events such as a coiled tubing surface pin hole leak in the classroom environment, ensures that each step of any potentially dangerous exercise can be practised and learned in a safe, risk-free environment but with the realism and pressure that only immersive simulation provides.

Multiple parameters such as well profiles, surface geometry, production median and rates, completion profiles, coil size and BHA configuration are all editable by the instructor and selectable by the student prior to deployment making the exercises as realistic as possible.

Features

- RIH, POOH weight indication
- Circulating and wellhead pressures
- Depth
- Running speed
- Well profile
- Stripper and BOP position
- Fluids pumped and tank storage levels
- Hydraulic pressures for injector, reel and accumulator
- Graphical display from the operator's chair (with optional screen)
- Multiple views of each scenario available
- Integrated sound system

DRILLING SYSTEMS



The high resolution colour display provides the operator with a real-time graphical representation of the view from inside the cab with additional screens displaying BHA movement, geology and fluids movement throughout the whole well bore.

Valve alignment, for both suction and discharge of the fluid pump systems selectable by the student. Students are required to select fluid type and density and to monitor the transfer of fluids from and to the mixing tank.

The **CTS50** simulator can be integrated into well planning and workover operations and provides equipment location and placement using the "fly around" feature in the simulator to achieve equipment and crew resource optimisation for a given work scope.

Operating Interface

- Desk-top consoles
- CT operators console
- BOP console
- Nitrogen fluid pumping console
- Remote choke console
- Graphic display - optional
- Instructor station

Software Modules

- Coiled Tubing Software Module – Infrastructure;
  - **CTS** Drilling Systems CoilSIM Math Model
  - Electronics Interface Task
  - Windows Instructor Interface Software
  - Student Station & Job Rigup software
  - **CTS** - 10 CT Sounds Software System
  - Diagnostics & Remote Support Software
  - CT Plotting Software
- Coiled tubing software 3D surface graphics
- Coiled tubing 2D downhole graphics

For more information visit
www.drillingsystems.com

contact us at info@drillingsystems.com

Drilling Systems (UK) Ltd
Hurn View House,
5 Aviation Park West,
Bournemouth International Airport,
Dorset, BH23 6EW,
United Kingdom

+44 (0) 1202 582255

Drilling Systems (USA) Inc
1427 Vander Wilt Lane,
Katy,
Houston,
Texas 77449,
United States

+1 281 646 8126

Drilling Systems (Middle East) FZ
F05, Block 3,
Knowledge Village,
PO Box 53560,
Dubai,
United Arab Emirates

+971 4 438 0242

DRILLING SYSTEMS