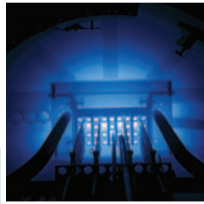




SCT (SELF CONTAINED TENSIONER)



The next generation RPV stud tensioning system

Stud Engagement Interface:

Quick connect/ disconnect design for fast performance based on over 30 years of field proven use. Can engage annular groove design or helical thread form RPV studs.

Safety Features:

- Electronic limit switches for verifying latching, piston return and piston overstroke conditions
- Secondary seals to route fluid bypass to reservoir and prevent external leakage
- Text style instructions via an LCD screen to coordinate sequence and integrate operation
- Emergency stop button on each control panel to cease all operation

Integrated built on pumping system:

- Hose free operation saves valuable refuel floor space
- Eliminates rigging of and potential leakage from interconnecting hoses
- Reduces storage requirements

Performance enhancements:

- Built in elongation monitoring system (EMS) provides instant elongation reading feedback, allowing for immediate re-tensioning if reading is out-of-spec and eliminates trim adjusting passes on completion.
- Complete hydraulic operation from pull system latching to pressurization and piston return. Does not require any air supply or create any air born contamination through air exhaust systems.
- Ram actuators for piston return process eliminate potential for hydraulic leakage at tensioner top plate during piston return phase due to flange rotation conditions.
- System set up for one master driver. Other units may be selected as driver.
- Voice communication system includes speaker and microphone on each SCT for dedicated system communication.
- LCD lighting to facilitate lowering and positioning of the tensioner.

For more information please contact:

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