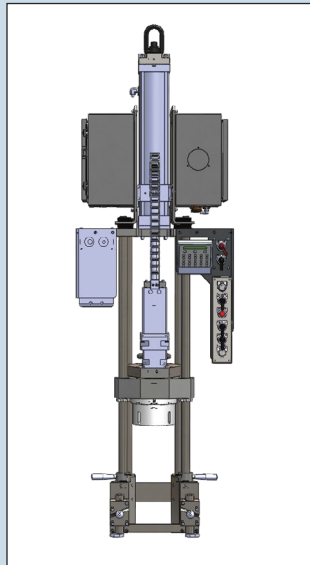
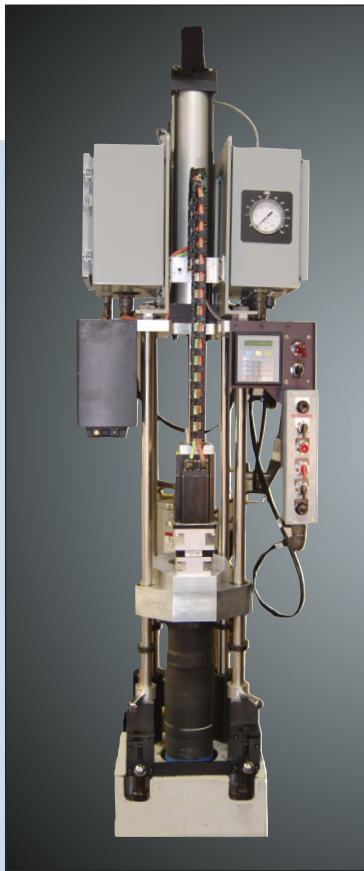




ELECTRIC STUD DRIVE TOOL (ESDT)



Biach engineers from Hydratight converted and upgraded the earlier pneumatically driven Stud Drive Tool (SDT) to electric power. The new Electric Stud Drive Tool (ESDT) offers smooth, quiet operation in a noisy environment and relieves workers from the dangerous role of absorbing breakaway torque during stud rotation. Its electronic control provides an exact stud positioning during thread-in to assure consistent stud projections around the vessel and to prevent binding due to hitting the bottom of the stud hole.

Stud weight compensation can be provided by connection to plant air supply or via a built-in air compressor.

Features:

- Load compensation provides zero stud weight effect during operation
- Quick connect stud gripper
- Electric drive provides smooth and quiet operation
- Height of the stud during threading/unthreading is monitored and displayed on the digital read out indicator

Benefits:

- Safely threads studs in and out of the nuclear reactor pressure vessels (RPV) in minutes
- Easy to handle, position and operate by one person
- The operator doesn't experience any harmful torque during stud rotation
- Pneumatic weight compensation keeps the stud 'weightless' during rotation which prevents any stud, stud hole or thread damage

Capacity	
Torque	325 ft-lbs (440 Nm)
Lifting	1,500 lbs at 80 psi (680 kg at 5.5 bar)
Free speed	60 rpm
Power	
230 VAC	
Single phase with a neutral lead for 110 VAC	
80 psi required when used with plant air for weight compensation	
Physical Description	
Width	27 ¹ / ₂ " (699 mm)
Height	88 ¹ / ₂ " (2248 mm)
Depth	20 ¹ / ₂ " (521 mm)
Weight	750 lbs (340.2 kg)
Warranty	
ESDT has a full one year warranty	

Further details can be obtained from your local Hydratight representative or via the website www.hydratight.com/biach

HT/TD-ESDT/US/10-10