



Multiple Stud Tensioning Machine for Boiling Water Reactors



Siempelkamp

NIS Ingenieurgesellschaft

- Tensioning force at all 72-92 RPV studs simultaneously
- Continuous monitoring of tensioning process
- Max. Force: 9.000 kN - 2.023.000 lbf - 915.000 kp
- Max. Hydraulic pressure: 2.000 bar - 29.000 psi - 200.000 kPa
- Homogeneous tensioning of RPV cover
- RPV cover 0: 7.000-9.000 mm - 275-355 inch
- Elongation recording accuracy (1/100 mm) of all RPV studs simultaneously and monitoring during tensioning process
- Opening or closing of RPV in less than 2 hours
- Redundant hydraulic system
- Operating from pool floor level
- Less dose for NPP staff compared to single stud tensioners / less operation time incl. test- and storage stand
- Automatic levelling transport cylinders



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