

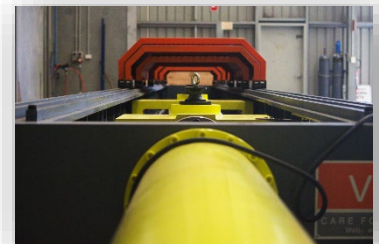
Horizontal Tensile Testing

FFE offers state of the art NATA Certified testing using our 1000kN Computerised Electro-hydraulic Servo Horizontal Tensile Test Bench

Load testing is fast and control-accuracy is high through a digitally controlled, closed-loop electro-hydraulic system and valve. Using the latest Windows technology the computer system collects and processes data to display real-time results for testing force and testing curve.



The Test Bench adopts a horizontal load frame structure; and a testing space with a maximum tensile testing length of 12m that is adjusted by an oil-cylinder piston, with an ATOS electro-hydraulic oil supply valve. The load measuring range is 2%- 100%, with a test force accuracy better than $\pm 1\%$



The Test Bench capabilities include proof load testing, break load testing, and low cyclic testing of steel wire ropes, chains, spreader beams, webbing slings, shackles, etc. The machine uses a hydraulic cylinder to load, a load cell to measure the testing force, and an encoder to measure the piston displacement.



FFE's NATA certified testing facility is located within the Australian Marine Complex, Henderson WA. Our business operates within an ISO accredited and integrated management system for Quality, Health & Safety, Environment, and Information Security. Our workshop is DNV approved and we are a member of the Australian Defence Industry Security Program.

Head Office: 2 Contest Link, Henderson WA | NATA Testing Facility: 2 Sepia Close, Henderson WA. | P: +61 8 9494 8100 | W: www.fremantlefoundry.com.au