

ForceBoard™ - Product overview 2016

Hardware

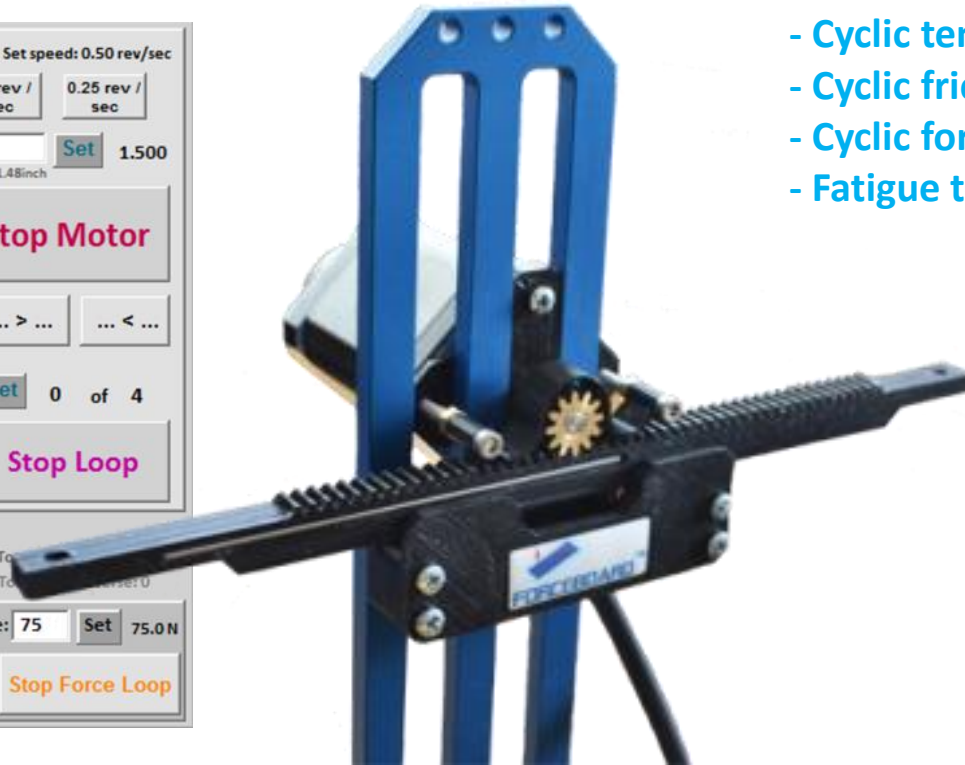
ForceBoard™



- Full 2D force sensing technology
- Standard load capacity: **100N** vertical direction, **50N** horizontal direction
- Overload protected, portable & USB powered
- No maintenance requirements
- Materials: Anodized aluminium & Stainless steel
- Outer dimensions: 180 x 100 x 100 mm, weight 2kg

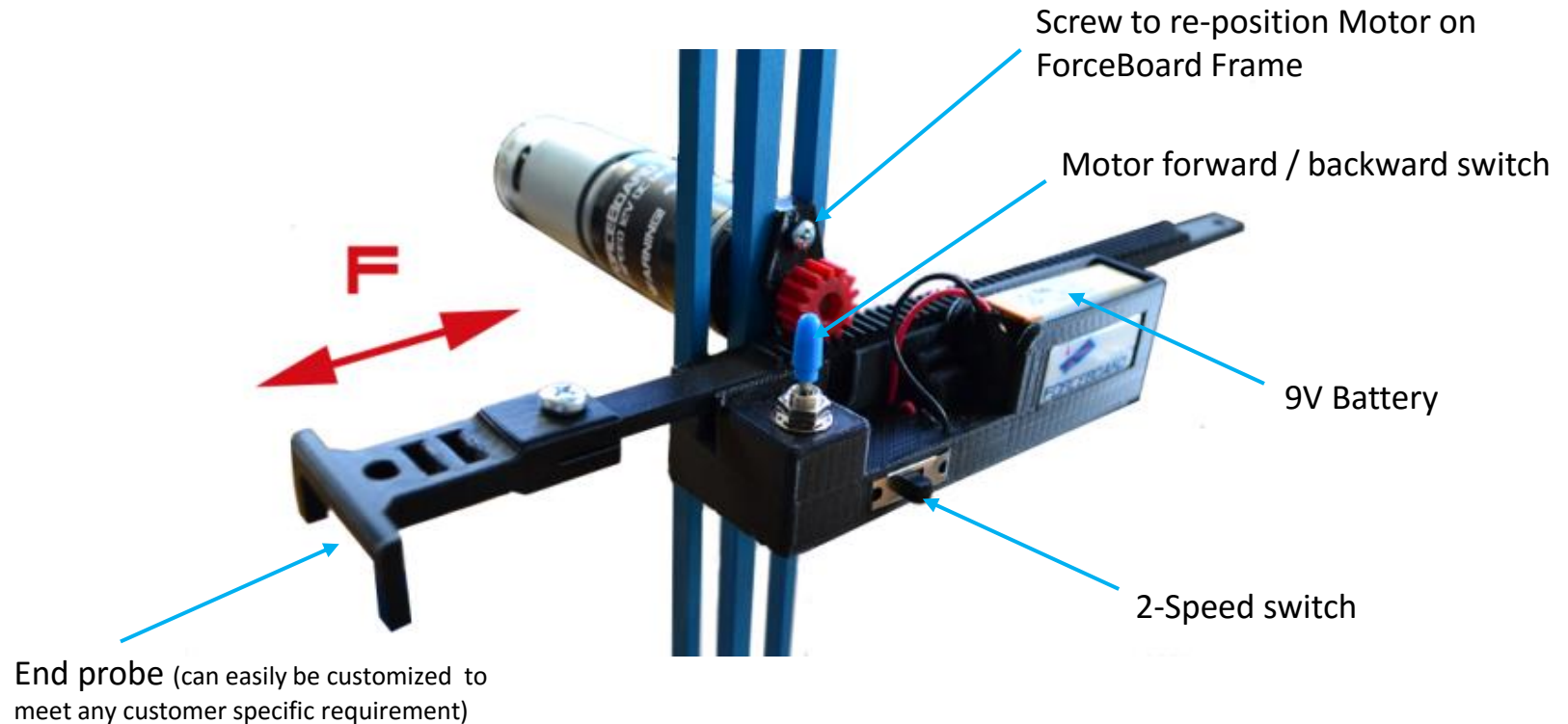
ForceBoard™ i-Motor

- Automated tests
- Cyclic tensile tests
- Cyclic friction tests
- Cyclic force tests
- Fatigue tests



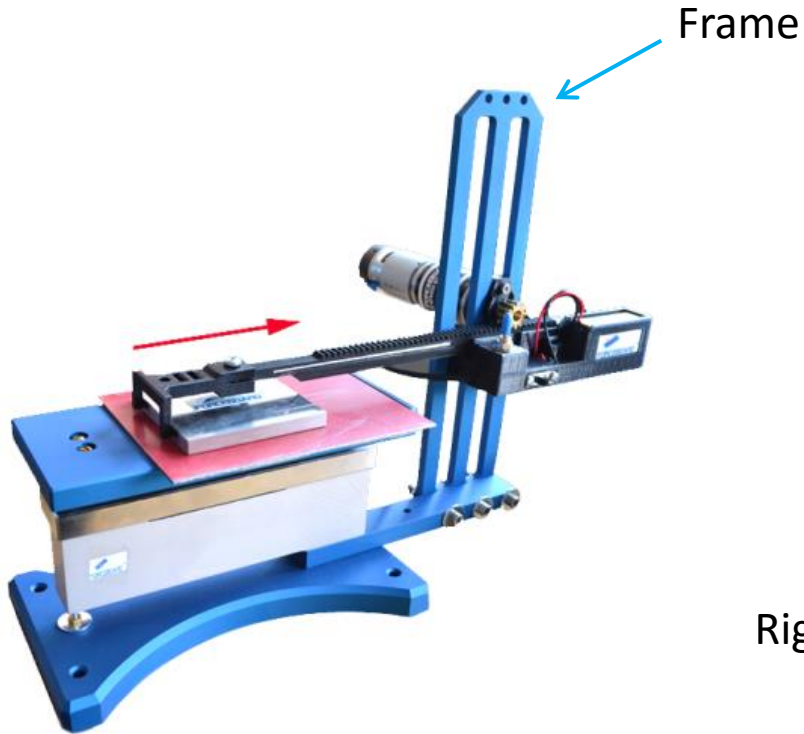
- Programmable stepper motor for controlled motion / force applications and cyclic testing
- Controlled via ForceBoard Analyzer
- User programmable
- Position resolution of 0.01mm / 0.00039inch
- **100N / 22lb** push/pull force

ForceBoard™ PowerMotor

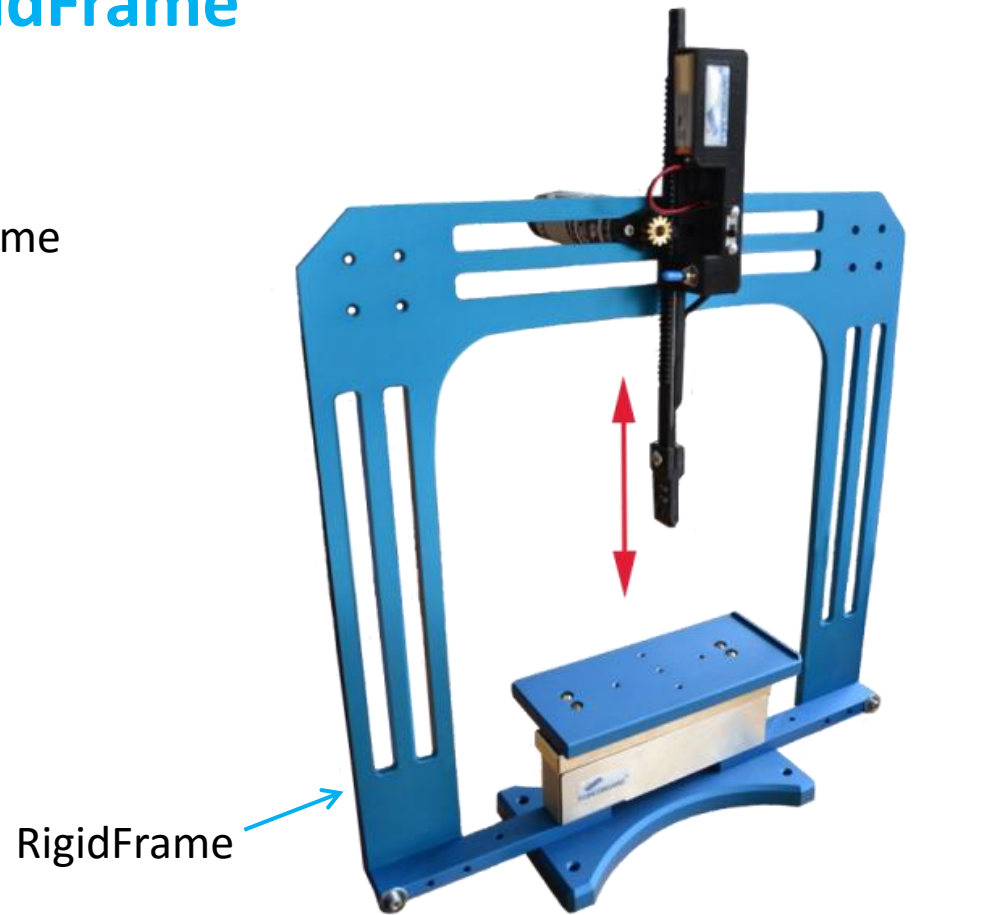


- Battery powered DC motor
- Built in **position detector** with 0.1mm resolution
- Mechanical switch to move motor arm forward / backward
- Up to 800 mm/min linear travel speed
- **100N / 22lb** push/pull force

ForceBoard™ Frame / RigidFrame



ForceBoard™ Frame for horizontal testing applications



ForceBoard™ RigidFrame for tensile testing

ForceBoard™ Wear Tester



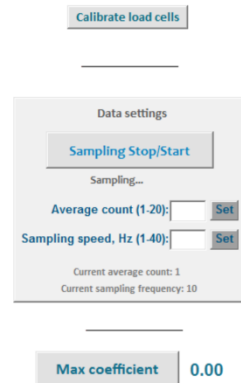
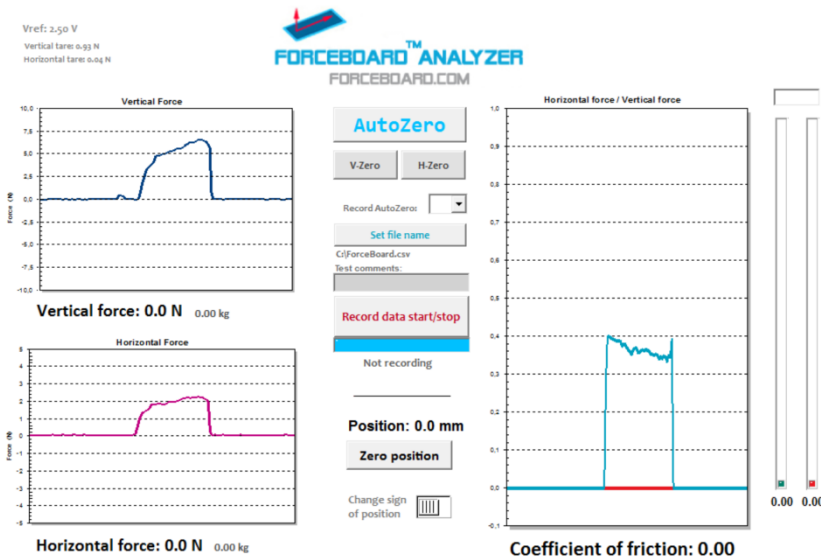
ForceBoard™ Wear Tester is a cost efficient and very easy to use block-on-ring wear and lubrication tester with real time abrasive friction force recording functionality

Software

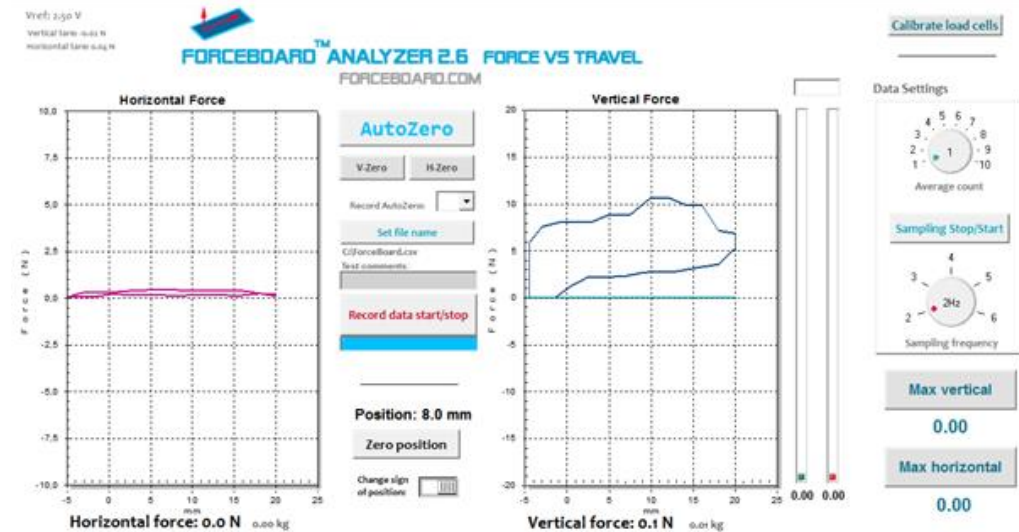
ForceBoard™ Analyzer

Software available in 2 versions!

- Adjustable sampling frequency
- Adjustable averaging
- Record data to Excel or Matlab
- Built in calibration
- Open interface



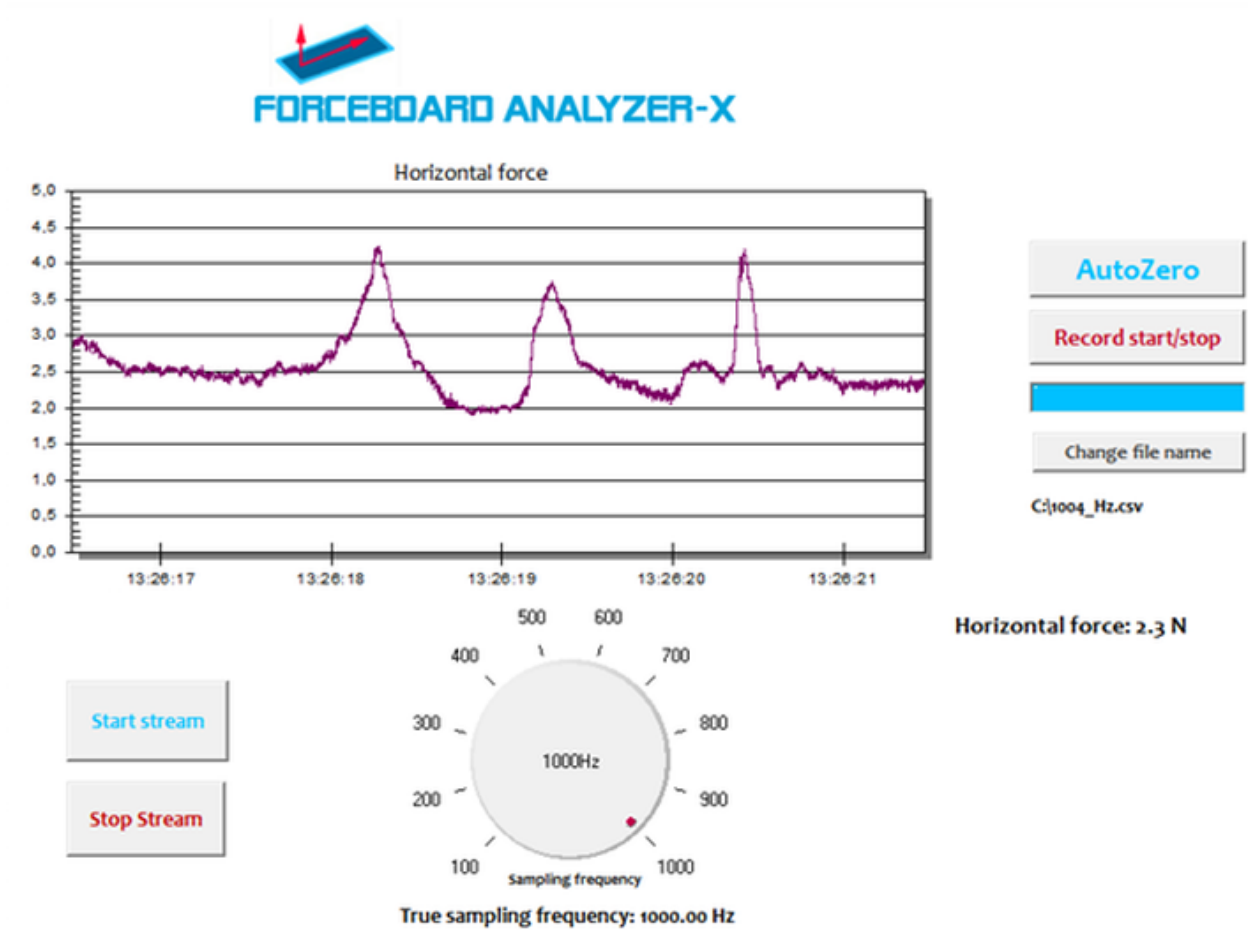
Measure force vs time



Measure force vs displacement

ForceBoard™ Analyzer-X

Software for high speed recordings in the horizontal direction





[Contact us](#) and order today!

www.ForceBoard.com

Industrial Dynamics AB

Veddestavagen 13, 17562 Jarfalla, Sweden

info@forceboard.com +46 (0)73 656 11 53

Am Treptower Park 75, D-12435 Berlin, Germany

germany@forceboard.com +49 (0)30 474 893 36

