

Servo Hydraulic Horizontal Testing Machine Barrus RED Hydra H 2000kN



Servo-Hydraulic System

Precise control and measurement even with extreme high forces.

General features

The Barrus Hydra H 2000 is a special designed to test metal cables and ropes up to 3m length and 2000kN force (options available).

Load measurement

High precision load measurement with sensitive load cell ISO 7500-1 Class 1. Load measurement resolution is 1/500 000.

Hydraulic power unit

Independent serve-hydraulic unit connected to test actuator and hydraulic grips. Gear type low noise hydraulic pump with necessary equipment for safe operation.

Extended warranty

Comes with a 3-year warranty when paired with a regular maintenance contract.

Mechanical & software driven safety

Features hardware end-stops, software-controlled force and position limiters, and optional plexiglass enclosures for enhanced safety.



IVORY Materials Testing Software

Simple, yet Powerful

Our proprietary software is designed to be user-friendly while offering exceptional versatility. Based on customer feedback, its intuitive interface ensures quick and efficient workflow management.

Available in Multiple Languages

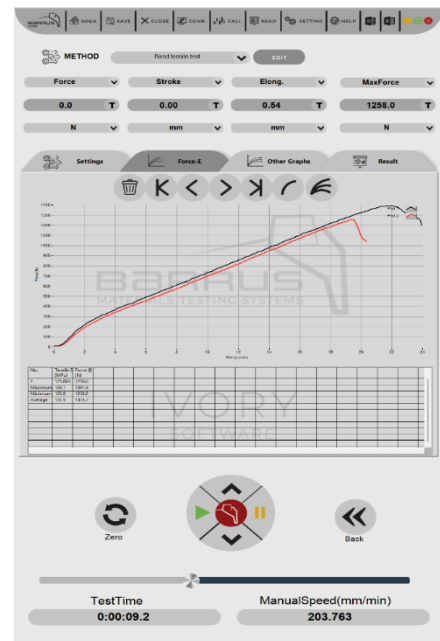
Ideal for international clients, our software is accessible in multiple languages, making it easy to use worldwide.

Comprehensive Data & Customizable Formulas

The software includes a vast collection of predefined test parameters and formulas, allowing users to conduct precise and accurate material testing. Additionally, measurement units can be freely selected to match specific requirements.

Flexible Test Cycles & Sequences

Our software allows users to easily create test cycles and test series, ensuring a structured and efficient testing process. This feature enhances repeatability and consistency in material evaluations.

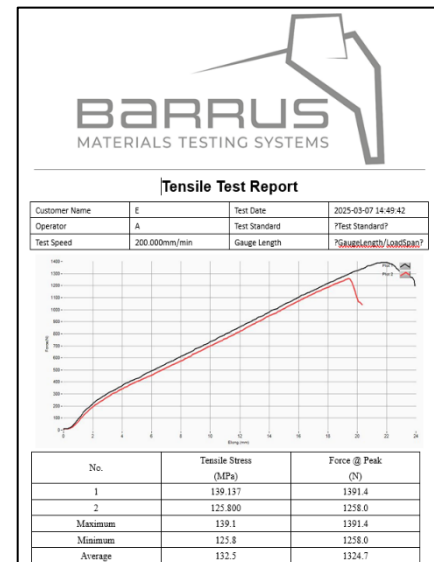


Customizable Reports

The software features an advanced reporting tool that generates reports based on predefined templates. These templates can be modified according to your needs, allowing you to integrate your own logo and data into the documents.

Flexible File Formats

The generated reports can be saved in multiple formats – Word, Excel, and PDF – for easy sharing and distribution.



User Roles & Permissions

Our software supports role-based access control, allowing administrators to define user permissions and ensure data security. This feature helps manage access levels effectively and ensures that users only interact with the data relevant to their role.

Searchable Test History

Users can quickly access and review previous test results, ensuring traceability and easy comparison of past measurements.

Technical data

General technical data for Barrus RED Hydra H 2000kN

Load frame	Barrus RED
Force capacity (kN)	2000 kN
Displacement accuracy	1%
Force measurement accuracy	1%
Maximal tensile space	3000 mm
Optional possible tensile space	5000 mm
Piston Stroke (mm)	1000 mm
Maximum speed (mm/min)	300 mm/min.
Minimum speed (mm/min)	0.01 mm/min.
Control	from PC
Data acquisition	

Power input specifications

Power supply	380V
Power frequency	50/60 Hz

* The pictures for illustration only. Includes optional elements. The delivered outfit may differ.

