

Hardness

Traceability Software

Wallace's Traceability Software is designed to offer the user an intuitive and clear interface with flexibility in terms of testing parameters, user management, recording and reporting of test results, and integration with other laboratory based software.

Wallace software helps you manage your cost of quality through:

- **Productivity** – easy and simple to use - adaptable to your known operating practice.
- **Traceability** – user defined traceability parameters in a protected database.
- **Analysis** – data easily downloaded and analysed.

Customise to your Laboratory Practice

Bespoke user defined parameters will be the backbone for full traceability and analysis.

Manage User Defined Fields

Add User Defined Field

User Defined Fields

☐ Display Deprecated Fields

Field Name	Field Description	DataType	Default Value	Used in Profile	Used in Test	Edit Field	Deprecate Field
BatchID	Identify material batch	Text		True	True	Edit	Deprecate
Material	Type of material being tested	Text		True	True	Edit	Deprecate

The user defined traceability parameters include:

- Device name
- Instrument model, instrument serial number
- Operator identification
- Tracking (e.g.):
 - ⇒ part number
 - ⇒ batch number
 - ⇒ customer number

Manage Devices

Add Device

Hardness TestersPlastimeters

Device Name	Serial Number	Instrument Model	Is Active	Edit Device	Remove Device
Lab H12	1178364	H12	<input checked="" type="checkbox"/>	Edit	Remove
Lab H14	34368/05	H14	<input checked="" type="checkbox"/>	Edit	Remove
Lab H17D	39083/11	H17D	<input checked="" type="checkbox"/>	Edit	Remove
Lab H17A	44307/01	H17A	<input checked="" type="checkbox"/>	Edit	Remove
Lab H17M	38503/02	H17M	<input checked="" type="checkbox"/>	Edit	Remove
Lab H17O	1370961	H17O	<input checked="" type="checkbox"/>	Edit	Remove

Traceability Software

Set Standard Test Profiles – guides you through the testing process

This allows you to set bespoke test profiles using various parameters (e.g.):

- Test type – e.g. Single, Median, Mean
- Number of samples
- Up to 5 user defined fields

Manage Test Profiles

Hardness Profiles Plasticity Profiles

Add Hardness Test Profile

Name	TestType	Number Of Samples	Lower Range	Higher Range	UserField 1	UserField 2	UserField 3	UserField 4	UserField 5	Edit Profile	Delete Profile
test	Single	1	40.0	45.0	BatchID	Material				Edit	Delete
Test1	Single	1	60.0	65.0	BatchID	Material				Edit	Delete

Every Reading Recorded in a Secure Database

Every time a test is made the reading is displayed visually and recorded in a secure database.

Hardness and other calculations are performed automatically by the software.

Test History

Filters Export Tests

Hardness Tests Plasticity Tests

Selected	Date/Time	#Samples	TestType	Operator Name	User Field 1	User Field 2	User Field 3	User Field 4	User Field 5	Device Name	Device Serial Number
<input type="checkbox"/>	6/6/2025 7:31:40 AM	1	Single	admin						Lab H17A	44307/01
<input type="checkbox"/>	6/18/2025 2:15:28 PM	1	Single	admin						Lab H12	1178364
<input type="checkbox"/>	6/18/2025 2:23:01 PM	2	Median	admin						Lab H12	1178364
<input type="checkbox"/>	7/30/2025 10:34:35 AM	2	Single	admin						Lab H17A	44307/01
<input type="checkbox"/>	7/30/2025 10:35:41 AM	2	Single	admin						Lab H17A	44307/01
<input type="checkbox"/>	7/30/2025 10:41:58 AM	1	Single	admin	BatchID : asd	Material : Rubber				Lab H17A	44307/01
<input type="checkbox"/>	7/30/2025 11:07:58 AM	1	Single	admin	Material : rubber	BatchID : 432				Lab H17A	44307/01
<input type="checkbox"/>	8/6/2025 10:14:25 AM	1	Single	admin	Material : Rubber	BatchID : 1				Lab H17A	44307/01
<input type="checkbox"/>	8/6/2025 10:15:09 AM	1	Single	admin	BatchID : 2	Material : Rubber				Lab H17A	44307/01

Data easily filtered and exported from the database in CSV or PDF format to:

- Analyse
- Integrate with other systems

NOTE: The Traceability Software is compatible with Wallace automatic benchtop Hardness Testers with firmware versions 7.5.00 and later. You can upgrade your older Hardness Tester to benefit from this software and its capabilities.