

Weighing Solutions



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Easy

Secure

Fast



One Click™ Sieve Analysis Powered by LabX

METTLER TOLEDO

One Click™ Sieve Analysis

Quick and easy

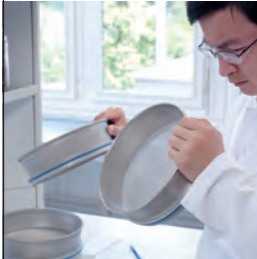
Perform Sieve Analysis easily with fully guided weighing, automatic calculations and documentation, and your results printed graphically in a personalized report.



The traditional process

Sieve Analysis is an important procedure undertaken in many industries to assess the particle size distribution of granular material. This straightforward process requires much attention to ensure sieves are weighed correctly and results are recorded without error.

Handling



Are your sieves in the correct order?

Have you kept track of where you are in the procedure?

▶ Demanding process

Documentation



Have you recorded everything?

Are you sure all weight results are logged correctly?

▶ Takes time

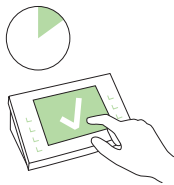
Transcription



Were the figures accurately transcribed?

Have all calculations been performed correctly?

▶ Error prone



One Click™ Sieve Analysis – powered by LabX

Simply start the method with the One Click™ shortcut on the balance touchscreen. Using automatic weight detection, sieves can be weighed consecutively without needing to touch a button. LabX provides clear step-by-step instructions on the balance, and automatically takes care of all data and calculations. The complete solution can be tailored to match individual process requirements.

1



One Click™ Start

Enter sample ID using touchscreen.

Weigh all sieves empty without touching a button.

2



Sieve

Weigh sample using SmartTrac™ guide.

Pause task and complete sieving in a sieve shaker.

3



Back Weigh

Audio signal prompts for next sieve.

Fractional weights calculated automatically for each sieve.

4



Results

Distribution percentage is displayed.

Further results, such as d50 grid size, are calculated.

5



Documentation

Everything is automatically recorded.

Print customized reports with graphs at any time.

Experience One Click™ Weighing



A Customer's view:

A key customer in Germany highlights some important benefits:

"LabX 2010 allows us to automate complex weighing processes. The user is guided securely through all workflows and receives all important information directly on his balance. Fully traceable documentation and automatic, seamless data transfer to our LIMS make additional working steps obsolete."

Jörg, Beta Testing Customer



See for Yourself

Watch research assistant Shuqing analyzing the particle size distribution of sand to determine the effective size, d10, and the uniformity coefficient, d60/d10. Experience how easy Sieve Analysis is with LabX.

► www.mt.com/one-click-weighing

| Title | Description | Part No. |
|---|--|----------|
| XP6002MDR Precision Balance ¹ | This Delta Range balance has a moveable fine range for precise results across the entire weighing range. Capacity: 1200 g / 6100 g, Readability: 10 mg / 100 mg, Settling time 1.5 s Color touchscreen, Hands-free operation, LevelControl | 11130233 |
| LabX Software ² (Express Edition) | Connect one instrument with the option to connect more. Inbuilt Method Library, Graphical Method Editor, Report Editor | 11153120 |
| Ethernet Option ¹ | Connect LabX via the Ethernet for easy integration into your existing network. | 11132515 |

¹ Choose from a range of balances and accessories according to your process requirements.

E.g. The XP12002MDR is ideal for using larger sample quantities.

² LabX can be integrated with commercial LIMS setups.

www.mt.com/one-click-weighing

For more information



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GWP[®]
Good Weighing Practice™

The internationally recognized GWP[®] guidelines reduce weighing risks and help to:

- identify the correct balance for the weighing task
- reduce costs by optimizing testing procedures
- ensure compliance with regulations

► www.mt.com/GWP