LIGHTIGO

3-Axes Motorized Stage

Micrometer precision and automated software features

Do not waste your time with the manual sample movement, which is slow, inaccurate, and hardly repeatable.

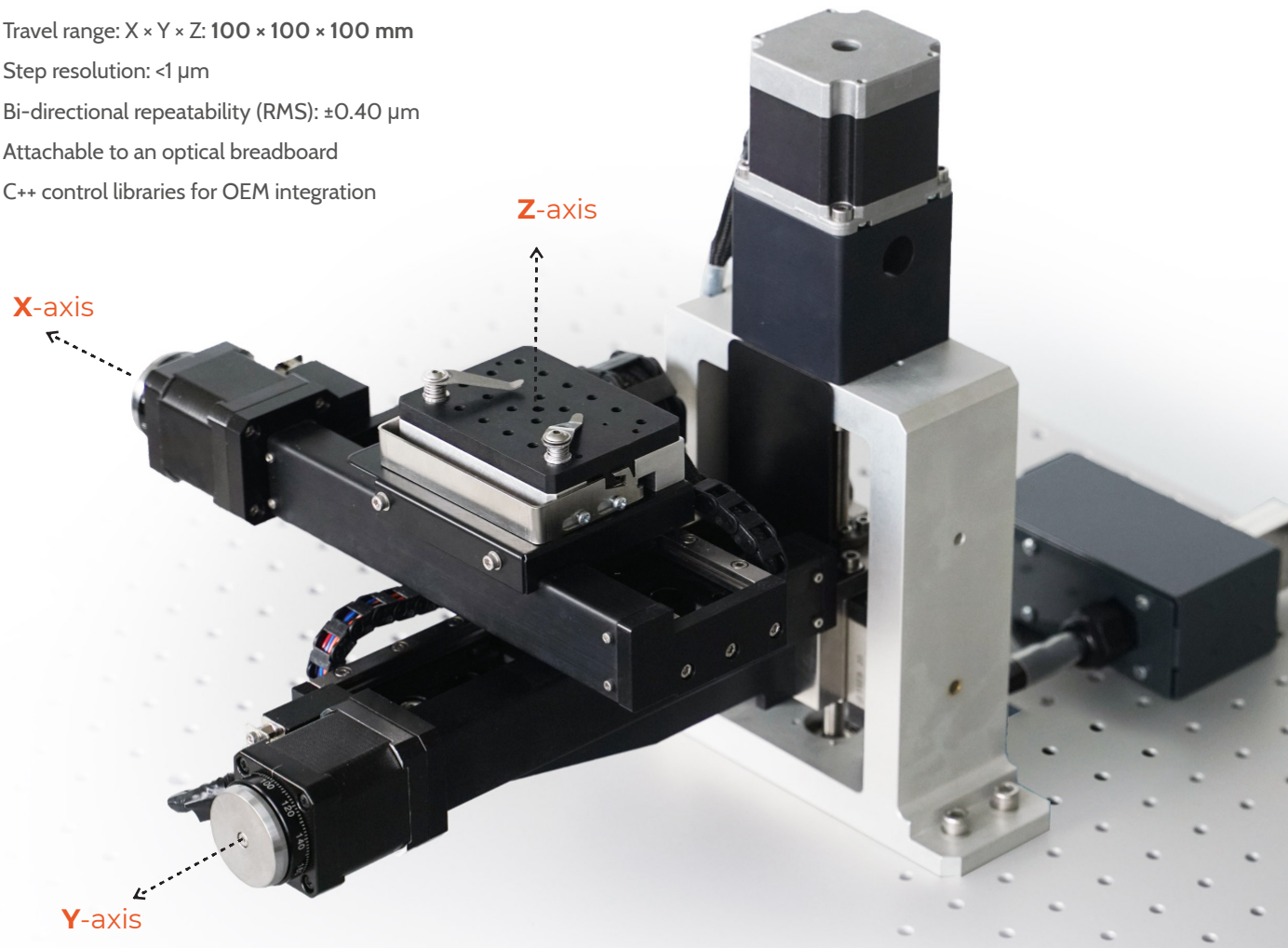
3-axis motorised stage is beneficial for any application where frequent sample movement is required: optical microscopy, analytical techniques (Raman, LA-ICP, XRF, LIBS, ...), material processing methods, and many others.

Key parameters

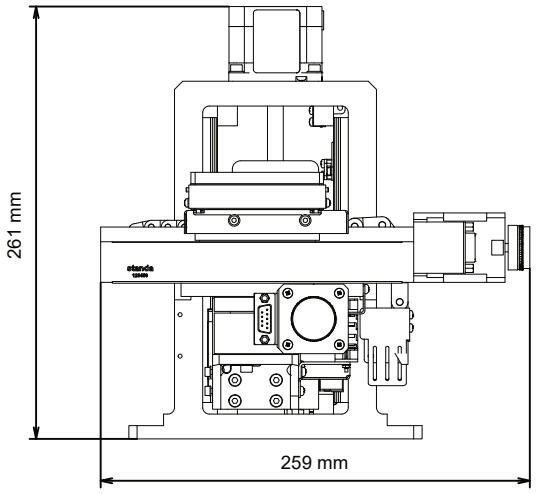
- Travel range: X × Y × Z: **100 × 100 × 100 mm**
- Step resolution: <1 µm
- Bi-directional repeatability (RMS): ±0.40 µm
- Attachable to an optical breadboard
- C++ control libraries for OEM integration

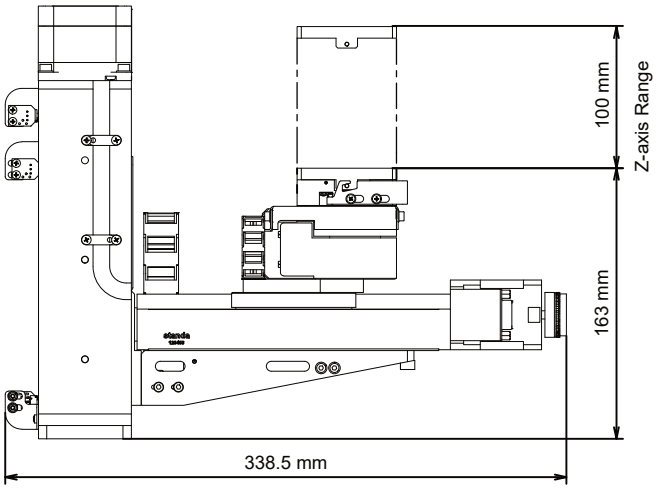
Software features

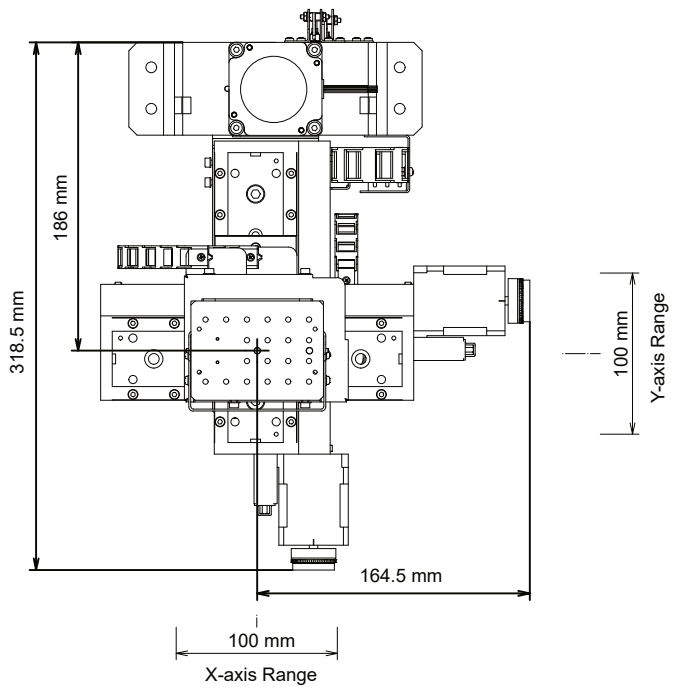
- Relative / absolute movement to a coordinate
- Automated movement to series of coordinates for mapping (chemical imaging)
- Batch import / export coordinates
- Wait time and Trigger-out after reaching set coordinate



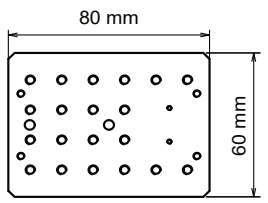
Dimensions





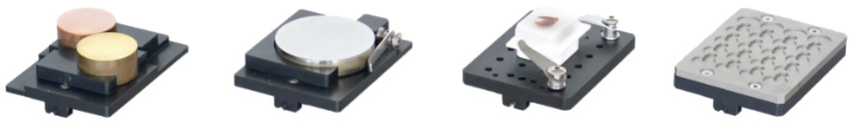


Sample holder adaptor



Whats included?

- 3-axes motorized stage
- Control electronics
- Control software
- Operation manual
- Sample holders



2×30 mm pellet holder

50 mm pellet holder

Universal clamp holder

12×12 mm pellet holder

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LIGHT UP YOUR RESEARCH

Lightigo s.r.o

Producer of the analytical instruments based on the Laser-Induced Breakdown Spectroscopy

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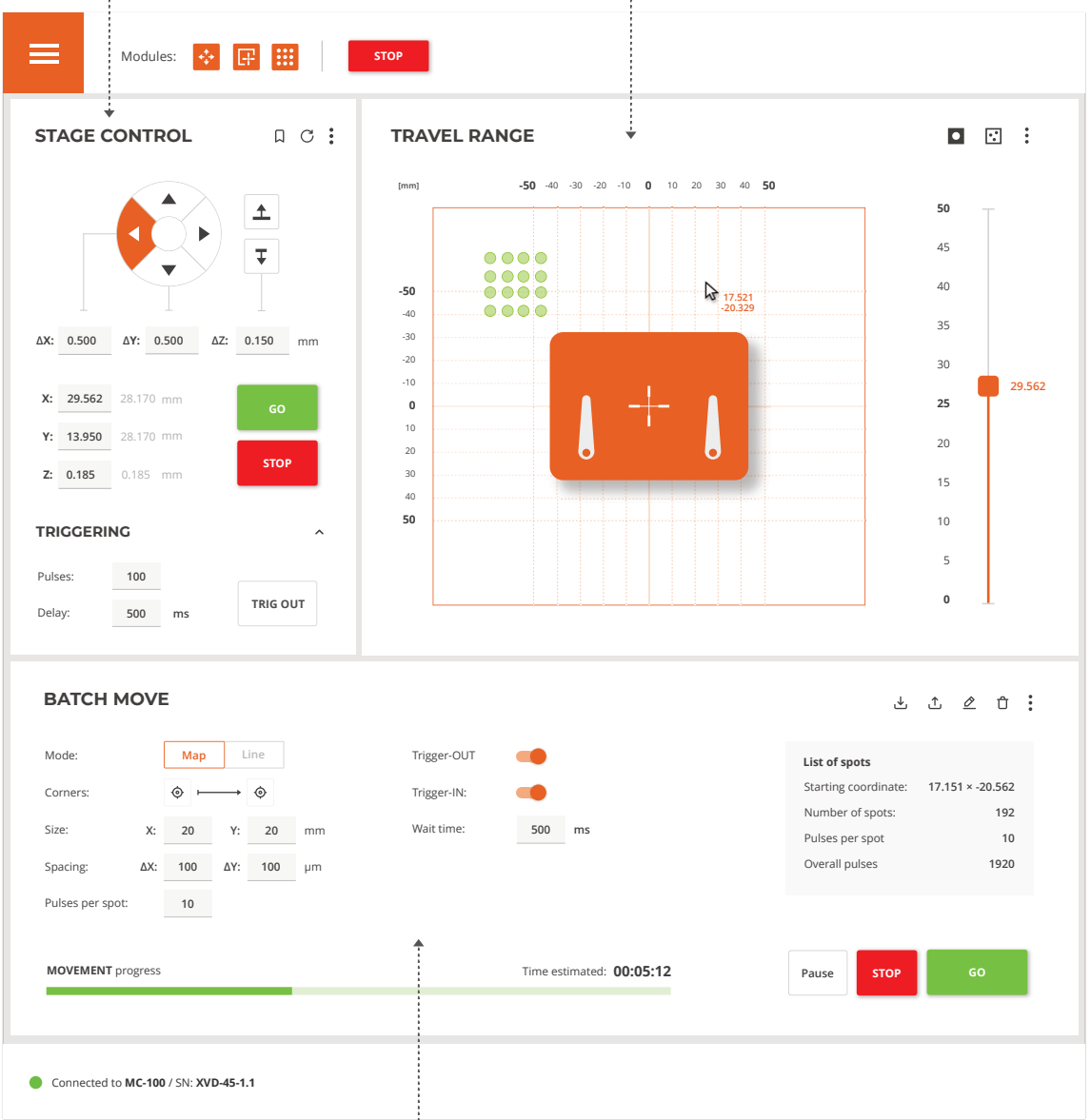
Control Software

Control the stage by typing in the **absolute** coordinates or push the buttons for the **relative** movement.

Control the stage interactively by **clicking** into the travel area (X and Y) and **dragging** the vertical slider (Z).



Set the **series of coordinates**, wait time on each spot and **Trigger** pulses for the external devices.

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