



XYZ Three-Axis Stages with Built-in Controllers

- From 13 mm up to 450 mm travel per axis
- Integrated motors and controllers
- Daisy-chain and control multiple devices through a single serial port

Product Description

Zaber's stages can be assembled into many different configurations of XY, XYZ, and XYZ/rotation. You can select your own combination of product family, travel, and lead screw pitch in each axis to build the system you need. We ship multiple stages un-assembled to avoid damage to the moving parts. Please refer to the individual product family web pages for specifications.

Installation

One or more devices can be connected to the RS-232 port (or USB port with optional adaptor) of any computer. Multiple devices can be daisy-chained to a single port. Convenient 6-pin mini-DIN cables on each stage allow for direct interconnection between devices in close proximity. For longer distances, we offer standard cable extensions.

Computer Control

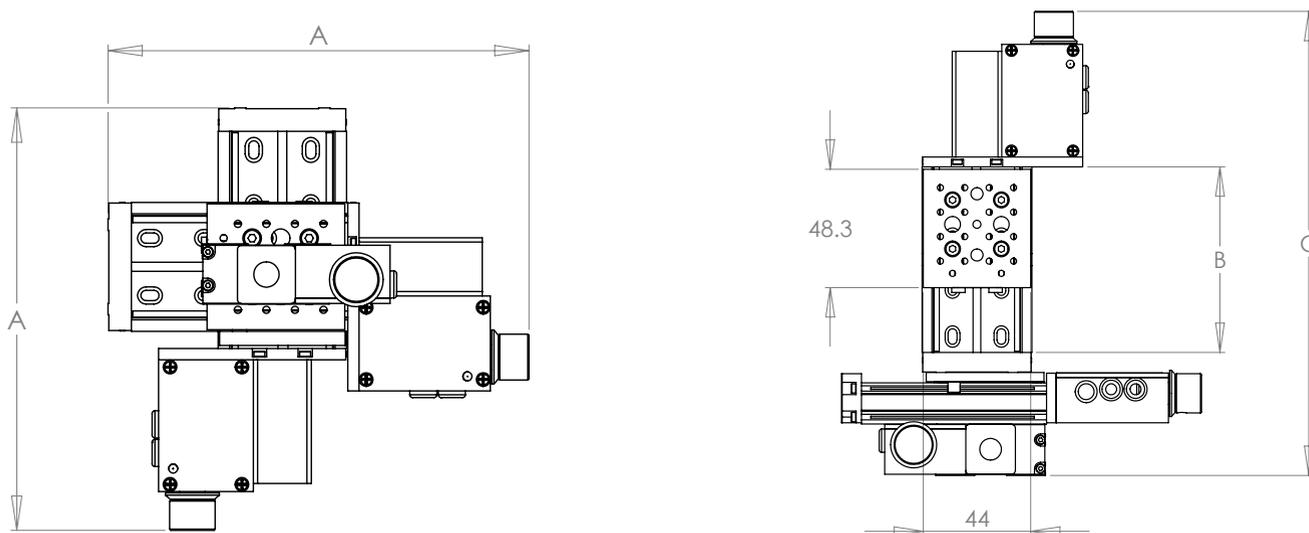
We provide free software so you can easily control your Zaber devices. Simply select the device you want to move, select a command (like "move absolute"), and enter the desired position. After the move, the stage reports its new position. Built-in scripting allows you to easily set up complex automation routines. We also provide all of our source code so that you can customize our software for your application.

Manual Control

Optional knobs provides smooth manual control at variable speeds in both directions for versatile operation. During a manual move the device's position is constantly transmitted to the computer and is displayed by the software.

XYZ Dimensions

Measurements in millimetres (mm)



| Model Number | A | B | C |
|--------------|-------|-------|-------|
| T-XYZ-LSM025 | 147.5 | 75.8 | 189.5 |
| T-XYZ-LSM050 | 172.9 | 101.2 | 214.9 |
| T-XYZ-LSM100 | 223.7 | 152.0 | 265.7 |
| T-XYZ-LSM150 | 274.5 | 202.8 | 316.5 |
| T-XYZ-LSM200 | 325.3 | 253.6 | 367.3 |

* Subtract 13.5 mm knob length from 'A' and 'C' for
-S versions without manual control

Multi-Axis Systems: XYZ Series*

Zaber's XYZ systems are made up of three linear stages. They come packaged with all the accessories you will need to operate them in XYZ configuration. The stages in the XYZ series are powered by a standard power supply and connect to the RS-232 port of any computer.

*Additional specs available at www.zaber.com.

I must say that zaber.com has the best information I've ever seen from a company selling research equipment. It's really nice that you supply all the source code and clear specification of how to communicate with the devices.

– Hjalmar Turesson, Post-Doctoral Student, Rutgers State University, Newark Campus